

| URL   | Title  | Table Link  | Table Pic (top)  | Table Header  | Table footer   |
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| <a href="https://europepmc.org/article/MED/35721200">https://europepmc.org/article/MED/35721200</a> | Chemical Constituents of Essential Oils Used in Olfactory Training: Focus on COVID-19 Induced Olfactory Dysfunction. | <a href="https://europepmc.org/articles/PMC9201274/table/T1/">https://europepmc.org/articles/PMC9201274/table/T1/</a> | <b>TABLE 1</b><br>Major chemical constituents of clove plants and essential oils.      | TABLE 1<br>Major chemical constituents of clove plants and essential oils.      | <b>Data source</b><br><b>Source of samples</b><br><b>Major chemical constituents</b><br><a href="#">Amelia et al. (2017)</a><br>From clove bud<br>Clove from Java, Indonesia: eugenol 55.60%, eugenyl acetate 20.54%, caryophyllene 14.84%, $\alpha$ -humelene 0.04%, $\alpha$ -cadinene 0.05%, ledol 0.06%; from Manodo, Indonesia: eugenol 74.64%, caryophyllene 12.79%, eugenyl acetate 8.70%, $\alpha$ -humelene 1.53%, $\beta$ -gurjunene 0.04%, $\gamma$ -cadinene 0.03%, humelene oxide 0.05%; comparison with other papers, eugenol, 47.60–89.20%, caryophyllene, trace level to 35.40%, eugenyl acetate, 1.20–20.54%, $\alpha$ -humulene, trace level to 2.75%<br><a href="#">Chaeib et al. (2007)</a><br>From clove flower bud essential oil<br>Eugenol 88.59%, eugenyl acetate 5.62%, $\beta$ -caryophyllene 1.39%, 2-heptanone 0.93%, ethyl hexanoate 0.66%, $\alpha$ -humulene 0.20%, calacorene 0.11%, calamenene 0.11%<br><a href="#">Jirowet et al. (2006)</a><br>From clove leaf essential oil<br>Eugenol 76.8%, $\beta$ -caryophyllene 17.4%, $\alpha$ -humulene 2.1%, eugenyl acetate 1.2%, caryophyllene oxide 0.4%, methylchavicol 0.2%<br><a href="#">Uddin et al. (2017)</a><br>From clove buds oil in Bangladesh<br>m-eugenol 69.44%, eugenyl acetate 10.79%, caryophyllene 6.8%, tyranton 7.78%, trace amounts of other constituents <1%  |
| <a href="https://europepmc.org/article/MED/35721200">https://europepmc.org/article/MED/35721200</a> | Chemical Constituents of Essential Oils Used in Olfactory Training: Focus on COVID-19 Induced Olfactory Dysfunction. | <a href="https://europepmc.org/articles/PMC9201274/table/T2/">https://europepmc.org/articles/PMC9201274/table/T2/</a> | <b>TABLE 2</b><br>Major chemical constituents of eucalyptus plants and essential oils. | TABLE 2<br>Major chemical constituents of eucalyptus plants and essential oils. | <b>Data source</b><br><b>Source of samples</b><br><b>Major chemical constituents</b><br><a href="#">Barbosa et al. (2016)</a><br>Review paper<br>Major chemical constituents in the extracts from leaves are terpenes and terpenoids at various concentrations. The concentrations vary among the species of <i>Eucalyptus</i> and the location they were harvested. 1,8-Cineole most often is the most major chemical constituent in <i>E. camaldulensis</i> , <i>E. cinerea</i> , and <i>E. globulus</i> (percentages vary from as low as almost 10% to as high as over 90%), whereas citronellal is the major chemical constituent in <i>E. citriodora</i> (percentages varied from as low as almost 20% to as high as over 90%). $\alpha$ -Pinene is the major chemical constituent in <i>E. saligna</i> (from 24.4 to 45.1%), depending on the location the plants are harvested<br><a href="#">Dogan et al. (2017)</a><br>Leaf Fruit<br>1,8-cineole 14.1%, p-cymene 42.1%, $\alpha$ -pinene 12.7%, $\alpha$ -terpineol 10.7%, limonene 5.5%, borneol L 5.5%, spathulenol 3.2% 1,8-cineole 34.5%, p-cymene 30.0%, $\alpha$ -terpineol 15.1%, $\alpha$ -pinene 9.0%, borneol L 5.3%, $\gamma$ -terpinene 5.1%, spathulenol none, limonene none<br><a href="#">Salehi et al. (2019b)</a><br>Review paper<br>Percentages are not shown<br><a href="#">Sebei et al. (2015)</a><br>Review paper<br>Comparing the percentages among species, 1,8-cineole (49.07–83.50%) and $\alpha$ -pinene (1.27–26.35%) were the two major chemical constituents |
| <a href="https://europepmc.org/article/MED/35721200">https://europepmc.org/article/MED/35721200</a> | Chemical Constituents of Essential Oils Used in Olfactory Training: Focus on COVID-19 Induced Olfactory Dysfunction. | <a href="https://europepmc.org/articles/PMC9201274/table/T3/">https://europepmc.org/articles/PMC9201274/table/T3/</a> | <b>TABLE 3</b><br>Major chemical constituents of lemon plants and essential oils.      | TABLE 3<br>Major chemical constituents of lemon plants and essential oils.      | <b>Data source</b><br><b>Source of samples</b><br><b>Major chemical constituents</b><br><a href="#">Klimek-Szczykutowicz et al. (2020)</a><br>Essential oil of pericarp Essential oil of leaf Limonene 69.9%, p-menta-3,8-diene 18.0%, $\beta$ -pinene 11.2%, $\gamma$ -terpinene 8.21%, myrcene 4.4%, sabinene 3.9%, geranial 2.9%, nerol 1.5%, linalool 1.41%, $\alpha$ -pinene 1.1%, $\alpha$ -thujene 1.1%, $\beta$ -bisabolene 0.5%, (E)- $\beta$ -ocimene 0.4%, geraniol 0.2%, $\beta$ -caryophyllene 0.2% limonene 31.5%, sabinene 15.9%, citronellal 11.6%, linalool 4.6%, nerol 4.5%, geranial 4.5%, (E)- $\beta$ -ocimene 3.9%, myrcene 2.9%, citronellol 2.3%, $\beta$ -caryophyllene 1.7%, terpinen-4-ol 1.4%<br><a href="#">Luciardi et al. (2021)</a><br>Essential oils<br>Limonene 59.14%, $\gamma$ -terpinene 10.48%, $\beta$ -pinene 15.41%, sabinene 1.76%, $\beta$ -myrcene 1.65%, $\alpha$ -pinene 1.64%<br><a href="#">Pucci et al. (2020)</a><br>The whole fractions<br>Limonene 67.1%, $\beta$ -pinene 10.88%, $\gamma$ -terpinene 9.32%, $\alpha$ -pinene 1.81%, geranial 1.72%, sabinene 1.83%, myrcene 1.57%   |

| URL   | Title  | Table Link   | Table Pic (top)  |  | Table Header      | Table footer  |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
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| <a href="https://europepmc.org/article/MED/35721200">https://europepmc.org/article/MED/35721200</a> | Chemical Constituents of Essential Oils Used in Olfactory Training: Focus on COVID-19 Induced Olfactory Dysfunction.   | <a href="https://europepmc.org/articles/PMC9201274/table/T4/">https://europepmc.org/articles/PMC9201274/table/T4/</a>  | <p><b>TABLE 4</b><br/>Major chemical constituents of rose plants and essential oils.</p> <table border="1"> <thead> <tr> <th>Data source</th> <th>Source of samples</th> <th>Major chemical constituents</th> </tr> </thead> <tbody> <tr> <td>Akram et al. (2019)</td> <td>Oil Absolute rose Hydrosol</td> <td>Geraniols (5.5–18%), <math>\beta</math>-citronellol (14.5–47.5%), nonadecane (10.5–40.5%) heneicosane, ethanol (0–13.43%), geraniol (3.71%), citronellol (9.91%), nonadecane (4.35%), phenylethylalcohol (78.38%) nerol (16.12%), phenylethyl alcohol (23.74%), citronellol (29.44%), geraniol (30.74%)</td> </tr> <tr> <td>Mileva et al. 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| Mileva et al. (2021)  | Oils   | There are large differences among geological differences and species differences; geraniol (17.60–30.98%), nerol (4.36–10.10%), citronellol (9.22–28.72%), n-nonadecane (8.10–22.67%), n-heneicosane (5.00–10.21%)   |  |  |                   |   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| Ryu et al. (2020)   | Oils   | There are large differences among breeds (mutants) of roses  |  |  |                   |   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| Verma et al. (2010)   | From bud, half bloom, full bloom, full bloomEssential oils   | Phenyl ethyl alcohol (PEA) 66.2–80.7%, other major chemical constituent, although much less in the percentages, were citronellol (1.8–5.5%) and geraniol (4.4–7.9%). Major chemical constituents were citronellol (15.9–35.3%), geraniol (8.3–30.2%), nerol (4.0–9.6%), nonadecane (4.5–16.0%), and heneicosane (2.6–7.9%), and not PEA (0.6–2.9%) |  |  |                   |   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| <a href="https://europepmc.org/article/MED/35840624">https://europepmc.org/article/MED/35840624</a> | Ovicidal and repellent activities of several plant essential oils against <i>Periplaneta americana</i> L. and enhanced activities from their combined formulation. | <a href="https://europepmc.org/articles/PMC9287551/table/Tab1/">https://europepmc.org/articles/PMC9287551/table/Tab1/</a>  | <p><b>Table 1</b><br/>Chemical constituents of <i>Cymbopogon citratus</i>, <i>Cinnamomum verum</i>, <i>Eucalyptus globulus</i>, <i>Ilicium verum</i>, and <i>Zanthoxylum limonella</i> and their percentage yield in the total chemical profile. <sup>a</sup>R = Retention index of a chemical constituent determined with an HP-5 MS column and compared with the retention indices of standard alkanes (C<sub>7</sub>–C<sub>30</sub>) for identity verification. <sup>b</sup>K = Kovat retention index from NIST17<sup>a</sup>. <sup>c</sup>I = Identified and confirmed by mass spectrum (M) matching with chemicals in the computer mass library of Adams<sup>a</sup> and by retention index (R) matching with those reported in NIST17<sup>a</sup>.</p> <table border="1"> <thead> <tr> <th>Item</th> <th>Compound</th> <th>R<sup>a</sup></th> <th>K<sup>b</sup></th> <th>Peak area (%), (average of 3 runs <math>\pm</math> SD)</th> <th>I<sup>c</sup></th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th>C. citratus C. verum E. globulus I. verum Z. limonella</th> <th></th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Acetoin</td> <td>680</td> <td>680</td> <td>–</td> <td>–</td> <td>0.41 <math>\pm</math> 0.02 – M,R</td> </tr> <tr> <td>2.</td> <td><math>\alpha</math>-Thujene</td> <td>928</td> <td>930</td> <td>–</td> <td>–</td> <td>0.21 <math>\pm</math> 0.01 2.31 <math>\pm</math> 0.54 M,R</td> </tr> <tr> <td>3.</td> <td><math>\alpha</math>-Pinene</td> <td>932</td> <td>933</td> <td>3.52 <math>\pm</math> 0.11</td> <td>0.91 <math>\pm</math> 0.02</td> <td>5.01 <math>\pm</math> 0.03 0.32 <math>\pm</math> 0.02 1.83 <math>\pm</math> 0.08 M,R</td> </tr> <tr> <td>4.</td> <td>Camphene</td> <td>946</td> <td>946</td> <td>–</td> <td>0.52 <math>\pm</math> 0.01</td> <td>0.32 <math>\pm</math> 0.02 – M,R</td> </tr> <tr> <td>5.</td> <td>Sabinene</td> <td>977</td> <td>977</td> <td>–</td> <td>–</td> <td>3.75 <math>\pm</math> 0.06 – 4.52 <math>\pm</math> 0.05 M,R</td> </tr> <tr> <td>6.</td> <td>B-Mycene</td> <td>990</td> <td>991</td> <td>–</td> <td>0.43 <math>\pm</math> 0.03</td> <td>0.31 <math>\pm</math> 0.01 – 0.32 <math>\pm</math> 0.02 M,R</td> </tr> <tr> <td>7.</td> <td><math>\alpha</math>-Phellandrene</td> <td>1002</td> <td>1003</td> <td>–</td> <td>0.32 <math>\pm</math> 0.01</td> <td>1.67 <math>\pm</math> 0.10 – 1.31 <math>\pm</math> 0.07 M,R</td> </tr> <tr> <td>8.</td> <td><math>\alpha</math>-Terpinene</td> <td>1002</td> <td>1002</td> <td>0.22 <math>\pm</math> 0.08</td> <td>–</td> <td>– 0.31 <math>\pm</math> 0.01 4.82 <math>\pm</math> 0.18 M,R</td> </tr> <tr> <td>9.</td> <td>Benzene</td> <td>1011</td> <td>1009</td> <td>–</td> <td>14.15 <math>\pm</math> 0.25</td> <td>8.32 <math>\pm</math> 0.38 – 8.21 <math>\pm</math> 0.76 M,R</td> </tr> <tr> <td>10.</td> <td>1,8-Cineole</td> <td>1024</td> <td>1025</td> <td>10.93 <math>\pm</math> 1.01</td> <td>0.61 <math>\pm</math> 0.02</td> <td>45.82 <math>\pm</math> 1.01 0.52 <math>\pm</math> 0.03 – M,R</td> </tr> <tr> <td>11.</td> <td>Limonene</td> <td>1029</td> <td>1029</td> <td>–</td> <td>–</td> <td>1.85 <math>\pm</math> 0.09 28.13 <math>\pm</math> 1.37 M,R</td> </tr> <tr> <td>12.</td> <td><math>\gamma</math>-Terpinene</td> <td>1051</td> <td>1050</td> <td>0.26 <math>\pm</math> 0.14</td> <td>–</td> <td>20.13 <math>\pm</math> 1.44 – 7.82 <math>\pm</math> 0.82 M,R</td> </tr> <tr> <td>13.</td> <td>Butanoic acid</td> <td>1085</td> <td>1086</td> <td>–</td> <td>–</td> <td>0.52 <math>\pm</math> 0.06 – M,R</td> </tr> <tr> <td>14.</td> <td>Linalool</td> <td>1086</td> <td>1086</td> <td>0.86 <math>\pm</math> 0.07</td> <td>–</td> <td>– 1.15 <math>\pm</math> 0.07 M,R</td> </tr> <tr> <td>15.</td> <td>Terpinolene</td> <td>1089</td> <td>1088</td> <td>–</td> <td>–</td> <td>1.12 <math>\pm</math> 0.61 0.23 <math>\pm</math> 0.01 2.23 <math>\pm</math> 0.83 M,R</td> </tr> <tr> <td>16.</td> <td>D-Fenchyl alcohol</td> <td>1110</td> <td>1110</td> <td>–</td> <td>–</td> <td>0.55 <math>\pm</math> 0.04 – M,R</td> </tr> <tr> <td>17.</td> <td>trans-Pinocarveol</td> <td>1139</td> <td>1139</td> <td>–</td> <td>–</td> <td>0.72 <math>\pm</math> 0.05 – M,R</td> </tr> <tr> <td>18.</td> <td>Borneol</td> <td>1146</td> <td>1147</td> <td>–</td> <td>1.23 <math>\pm</math> 0.08</td> <td>0.81 <math>\pm</math> 0.01 – M,R</td> </tr> <tr> <td>19.</td> <td>Terpinen-4-ol</td> <td>1165</td> <td>1166</td> <td>–</td> <td>–</td> <td>3.21 <math>\pm</math> 0.23 – 24.13 <math>\pm</math> 1.65 M,R</td> </tr> <tr> <td>20.</td> <td>trans-Carveol</td> <td>1204</td> <td>1204</td> <td>–</td> <td>–</td> <td>0.23 <math>\pm</math> 0.01 – 1.73 <math>\pm</math> 0.82 M,R</td> </tr> <tr> <td>21.</td> <td>Myrtenol</td> <td>1214</td> <td>1214</td> <td>–</td> <td>–</td> <td>0.71 <math>\pm</math> 0.02 – M,R</td> </tr> <tr> <td>22.</td> <td>Neral</td> <td>1217</td> <td>1217</td> <td>25.72 <math>\pm</math> 1.97</td> <td>–</td> <td>– – M,R</td> </tr> <tr> <td>23.</td> <td>Cinnamaldehyde</td> <td>1222</td> <td>1222</td> <td>–</td> <td>75.23 <math>\pm</math> 2.17</td> <td>– – M,R</td> </tr> <tr> <td>24.</td> <td>p-Anisaldehyde</td> <td>1223</td> <td>1223</td> <td>–</td> <td>–</td> <td>1.63 <math>\pm</math> 0.02 – M,R</td> </tr> <tr> <td>25.</td> <td>Carvone</td> <td>1230</td> <td>1231</td> <td>–</td> <td>–</td> <td>– 2.47 <math>\pm</math> 0.08 M,R</td> </tr> <tr> <td>26.</td> <td>Geraniol</td> <td>1237</td> <td>1237</td> <td>5.71 <math>\pm</math> 0.82</td> <td>–</td> <td>– – M,R</td> </tr> <tr> <td>27.</td> <td>Geranal</td> <td>1247</td> <td>1247</td> <td>46.33 <math>\pm</math> 1.32</td> <td>–</td> <td>– – M,R</td> </tr> <tr> <td>28.</td> <td><math>\alpha</math>-Terpineol</td> <td>1280</td> <td>1279</td> <td>–</td> <td>–</td> <td>2.85 <math>\pm</math> 0.49 – 6.23 <math>\pm</math> 1.12 M,R</td> </tr> <tr> <td>29.</td> <td>trans-Anethole</td> <td>1283</td> <td>1285</td> <td>–</td> <td>–</td> <td>92.24 <math>\pm</math> 1.83 – M,R</td> </tr> <tr> <td>30.</td> <td>Eugenol</td> <td>1356</td> <td>1355</td> <td>–</td> <td>–</td> <td>0.84 <math>\pm</math> 0.03 – M,R</td> </tr> <tr> <td>31.</td> <td>Geranyl acetate</td> <td>1379</td> <td>1380</td> <td>3.87 <math>\pm</math> 0.33</td> <td>–</td> <td>– – M,R</td> </tr> <tr> <td>32.</td> <td>Copaene</td> <td>1380</td> <td>1381</td> <td>–</td> <td>2.02 <math>\pm</math> 0.15</td> <td>– – M,R</td> </tr> <tr> <td>33.</td> <td>Cinnamic acid</td> <td>1460</td> <td>1462</td> <td>–</td> <td>0.33 <math>\pm</math> 0.09</td> <td>– – M,R</td> </tr> <tr> <td>34.</td> <td><math>\alpha</math>-Gurjunene</td> <td>1527</td> <td>1529</td> <td>–</td> <td>0.86 <math>\pm</math> 0.02</td> <td>– – M,R</td> </tr> <tr> <td>35.</td> <td>Epiglobulol</td> <td>1563</td> <td>1564</td> <td>–</td> <td>0.44 <math>\pm</math> 0.01</td> <td>– – M,R</td> </tr> <tr> <td>36.</td> <td>Caryophyllene</td> <td>1578</td> <td>1580</td> <td>1.17 <math>\pm</math> 0.87</td> <td>–</td> <td>– 0.54 <math>\pm</math> 0.02 M,R</td> </tr> <tr> <td>37.</td> <td>Cadalene</td> <td>1659</td> <td>1659</td> <td>–</td> <td>0.32 <math>\pm</math> 0.08</td> <td>– – M,R</td> </tr> <tr> <td>Total (%)</td> <td></td> <td></td> <td>97.40</td> <td>98.60</td> <td>97.35</td> <td>98.56 97.75 –</td> </tr> <tr> <td>Yield (%)</td> <td></td> <td></td> <td>1.15</td> <td>1.10</td> <td>1.21</td> <td>3.23 9.27 –</td> </tr> </tbody> </table> | Item   | Compound          | R <sup>a</sup>                                      | K <sup>b</sup>            | Peak area (%), (average of 3 runs $\pm$ SD) | I <sup>c</sup>  |                      |                                    |  |                   | C. citratus C. verum E. globulus I. verum Z. limonella |   | 1.                                 | Acetoin   | 680  | 680  | –  | –         | 0.41 $\pm$ 0.02 – M,R  | 2.   | $\alpha$ -Thujene | 928      | 930                             | –  | –    | 0.21 $\pm$ 0.01 2.31 $\pm$ 0.54 M,R | 3.       | $\alpha$ -Pinene                | 932   | 933  | 3.52 $\pm$ 0.11   | 0.91 $\pm$ 0.02   | 5.01 $\pm$ 0.03 0.32 $\pm$ 0.02 1.83 $\pm$ 0.08 M,R | 4. | Camphene | 946 | 946 | – | 0.52 $\pm$ 0.01 | 0.32 $\pm$ 0.02 – M,R | 5. | Sabinene | 977 | 977 | – | – | 3.75 $\pm$ 0.06 – 4.52 $\pm$ 0.05 M,R | 6. | B-Mycene | 990 | 991 | – | 0.43 $\pm$ 0.03 | 0.31 $\pm$ 0.01 – 0.32 $\pm$ 0.02 M,R | 7. | $\alpha$ -Phellandrene | 1002 | 1003 | – | 0.32 $\pm$ 0.01 | 1.67 $\pm$ 0.10 – 1.31 $\pm$ 0.07 M,R | 8. | $\alpha$ -Terpinene | 1002 | 1002 | 0.22 $\pm$ 0.08 | – | – 0.31 $\pm$ 0.01 4.82 $\pm$ 0.18 M,R | 9. | Benzene | 1011 | 1009 | – | 14.15 $\pm$ 0.25 | 8.32 $\pm$ 0.38 – 8.21 $\pm$ 0.76 M,R | 10. | 1,8-Cineole | 1024 | 1025 | 10.93 $\pm$ 1.01 | 0.61 $\pm$ 0.02 | 45.82 $\pm$ 1.01 0.52 $\pm$ 0.03 – M,R | 11. | Limonene | 1029 | 1029 | – | – | 1.85 $\pm$ 0.09 28.13 $\pm$ 1.37 M,R | 12. | $\gamma$ -Terpinene | 1051 | 1050 | 0.26 $\pm$ 0.14 | – | 20.13 $\pm$ 1.44 – 7.82 $\pm$ 0.82 M,R | 13. | Butanoic acid | 1085 | 1086 | – | – | 0.52 $\pm$ 0.06 – M,R | 14. | Linalool | 1086 | 1086 | 0.86 $\pm$ 0.07 | – | – 1.15 $\pm$ 0.07 M,R | 15. | Terpinolene | 1089 | 1088 | – | – | 1.12 $\pm$ 0.61 0.23 $\pm$ 0.01 2.23 $\pm$ 0.83 M,R | 16. | D-Fenchyl alcohol | 1110 | 1110 | – | – | 0.55 $\pm$ 0.04 – M,R | 17. | trans-Pinocarveol | 1139 | 1139 | – | – | 0.72 $\pm$ 0.05 – M,R | 18. | Borneol | 1146 | 1147 | – | 1.23 $\pm$ 0.08 | 0.81 $\pm$ 0.01 – M,R | 19. | Terpinen-4-ol | 1165 | 1166 | – | – | 3.21 $\pm$ 0.23 – 24.13 $\pm$ 1.65 M,R | 20. | trans-Carveol | 1204 | 1204 | – | – | 0.23 $\pm$ 0.01 – 1.73 $\pm$ 0.82 M,R | 21. | Myrtenol | 1214 | 1214 | – | – | 0.71 $\pm$ 0.02 – M,R | 22. | Neral | 1217 | 1217 | 25.72 $\pm$ 1.97 | – | – – M,R | 23. | Cinnamaldehyde | 1222 | 1222 | – | 75.23 $\pm$ 2.17 | – – M,R | 24. | p-Anisaldehyde | 1223 | 1223 | – | – | 1.63 $\pm$ 0.02 – M,R | 25. | Carvone | 1230 | 1231 | – | – | – 2.47 $\pm$ 0.08 M,R | 26. | Geraniol | 1237 | 1237 | 5.71 $\pm$ 0.82 | – | – – M,R | 27. | Geranal | 1247 | 1247 | 46.33 $\pm$ 1.32 | – | – – M,R | 28. | $\alpha$ -Terpineol | 1280 | 1279 | – | – | 2.85 $\pm$ 0.49 – 6.23 $\pm$ 1.12 M,R | 29. | trans-Anethole | 1283 | 1285 | – | – | 92.24 $\pm$ 1.83 – M,R | 30. | Eugenol | 1356 | 1355 | – | – | 0.84 $\pm$ 0.03 – M,R | 31. | Geranyl acetate | 1379 | 1380 | 3.87 $\pm$ 0.33 | – | – – M,R | 32. | Copaene | 1380 | 1381 | – | 2.02 $\pm$ 0.15 | – – M,R | 33. | Cinnamic acid | 1460 | 1462 | – | 0.33 $\pm$ 0.09 | – – M,R | 34. | $\alpha$ -Gurjunene | 1527 | 1529 | – | 0.86 $\pm$ 0.02 | – – M,R | 35. | Epiglobulol | 1563 | 1564 | – | 0.44 $\pm$ 0.01 | – – M,R | 36. | Caryophyllene | 1578 | 1580 | 1.17 $\pm$ 0.87 | – | – 0.54 $\pm$ 0.02 M,R | 37. | Cadalene | 1659 | 1659 | – | 0.32 $\pm$ 0.08 | – – M,R | Total (%) |  |  | 97.40 | 98.60 | 97.35 | 98.56 97.75 – | Yield (%) |  |  | 1.15 | 1.10 | 1.21 | 3.23 9.27 – | <p><b>Table 1</b><br/>Chemical constituents of <i>Cymbopogon citratus</i>, <i>Cinnamomum verum</i>, <i>Eucalyptus globulus</i>, <i>Ilicium verum</i>, and <i>Zanthoxylum limonella</i> and their percentage yield in the total chemical profile. <sup>a</sup>R = Retention index of a chemical constituent determined with an HP-5 MS column and compared with the retention indices of standard alkanes (C<sub>7</sub>–C<sub>30</sub>) for identity verification. <sup>b</sup>K = Kovat retention index from NIST17<sup>a</sup>. <sup>c</sup>I = Identified and confirmed by mass spectrum (M) matching with chemicals in the computer mass library of Adams<sup>a</sup> and by retention index (R) matching with those reported in NIST17<sup>a</sup>.</p> |  |
| Item  | Compound   | R <sup>a</sup>   | K <sup>b</sup>   | Peak area (%), (average of 3 runs $\pm$ SD)            | I <sup>c</sup>    |   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
|   |  |  |  | C. citratus C. verum E. globulus I. verum Z. limonella |                   |   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 1.  | Acetoin  | 680  | 680  | –  | –                 | 0.41 $\pm$ 0.02 – M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 2.  | $\alpha$ -Thujene  | 928  | 930  | –  | –                 | 0.21 $\pm$ 0.01 2.31 $\pm$ 0.54 M,R                 |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 3.  | $\alpha$ -Pinene   | 932  | 933  | 3.52 $\pm$ 0.11  | 0.91 $\pm$ 0.02   | 5.01 $\pm$ 0.03 0.32 $\pm$ 0.02 1.83 $\pm$ 0.08 M,R |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 4.  | Camphene   | 946  | 946  | –  | 0.52 $\pm$ 0.01   | 0.32 $\pm$ 0.02 – M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 5.  | Sabinene   | 977  | 977  | –  | –                 | 3.75 $\pm$ 0.06 – 4.52 $\pm$ 0.05 M,R               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 6.  | B-Mycene   | 990  | 991  | –  | 0.43 $\pm$ 0.03   | 0.31 $\pm$ 0.01 – 0.32 $\pm$ 0.02 M,R               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 7.  | $\alpha$ -Phellandrene   | 1002   | 1003   | –  | 0.32 $\pm$ 0.01   | 1.67 $\pm$ 0.10 – 1.31 $\pm$ 0.07 M,R               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 8.  | $\alpha$ -Terpinene  | 1002   | 1002   | 0.22 $\pm$ 0.08  | –                 | – 0.31 $\pm$ 0.01 4.82 $\pm$ 0.18 M,R               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 9.  | Benzene  | 1011   | 1009   | –  | 14.15 $\pm$ 0.25  | 8.32 $\pm$ 0.38 – 8.21 $\pm$ 0.76 M,R               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 10.   | 1,8-Cineole  | 1024   | 1025   | 10.93 $\pm$ 1.01                                       | 0.61 $\pm$ 0.02   | 45.82 $\pm$ 1.01 0.52 $\pm$ 0.03 – M,R              |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 11.   | Limonene   | 1029   | 1029   | –  | –                 | 1.85 $\pm$ 0.09 28.13 $\pm$ 1.37 M,R                |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 12.   | $\gamma$ -Terpinene  | 1051   | 1050   | 0.26 $\pm$ 0.14  | –                 | 20.13 $\pm$ 1.44 – 7.82 $\pm$ 0.82 M,R              |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 13.   | Butanoic acid  | 1085   | 1086   | –  | –                 | 0.52 $\pm$ 0.06 – M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 14.   | Linalool   | 1086   | 1086   | 0.86 $\pm$ 0.07  | –                 | – 1.15 $\pm$ 0.07 M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 15.   | Terpinolene  | 1089   | 1088   | –  | –                 | 1.12 $\pm$ 0.61 0.23 $\pm$ 0.01 2.23 $\pm$ 0.83 M,R |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 16.   | D-Fenchyl alcohol  | 1110   | 1110   | –  | –                 | 0.55 $\pm$ 0.04 – M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 17.   | trans-Pinocarveol  | 1139   | 1139   | –  | –                 | 0.72 $\pm$ 0.05 – M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 18.   | Borneol  | 1146   | 1147   | –  | 1.23 $\pm$ 0.08   | 0.81 $\pm$ 0.01 – M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 19.   | Terpinen-4-ol  | 1165   | 1166   | –  | –                 | 3.21 $\pm$ 0.23 – 24.13 $\pm$ 1.65 M,R              |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 20.   | trans-Carveol  | 1204   | 1204   | –  | –                 | 0.23 $\pm$ 0.01 – 1.73 $\pm$ 0.82 M,R               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 21.   | Myrtenol   | 1214   | 1214   | –  | –                 | 0.71 $\pm$ 0.02 – M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 22.   | Neral  | 1217   | 1217   | 25.72 $\pm$ 1.97                                       | –                 | – – M,R   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 23.   | Cinnamaldehyde   | 1222   | 1222   | –  | 75.23 $\pm$ 2.17  | – – M,R   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 24.   | p-Anisaldehyde   | 1223   | 1223   | –  | –                 | 1.63 $\pm$ 0.02 – M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 25.   | Carvone  | 1230   | 1231   | –  | –                 | – 2.47 $\pm$ 0.08 M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 26.   | Geraniol   | 1237   | 1237   | 5.71 $\pm$ 0.82  | –                 | – – M,R   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 27.   | Geranal  | 1247   | 1247   | 46.33 $\pm$ 1.32                                       | –                 | – – M,R   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 28.   | $\alpha$ -Terpineol  | 1280   | 1279   | –  | –                 | 2.85 $\pm$ 0.49 – 6.23 $\pm$ 1.12 M,R               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 29.   | trans-Anethole   | 1283   | 1285   | –  | –                 | 92.24 $\pm$ 1.83 – M,R                              |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 30.   | Eugenol  | 1356   | 1355   | –  | –                 | 0.84 $\pm$ 0.03 – M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 31.   | Geranyl acetate  | 1379   | 1380   | 3.87 $\pm$ 0.33  | –                 | – – M,R   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 32.   | Copaene  | 1380   | 1381   | –  | 2.02 $\pm$ 0.15   | – – M,R   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 33.   | Cinnamic acid  | 1460   | 1462   | –  | 0.33 $\pm$ 0.09   | – – M,R   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 34.   | $\alpha$ -Gurjunene  | 1527   | 1529   | –  | 0.86 $\pm$ 0.02   | – – M,R   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 35.   | Epiglobulol  | 1563   | 1564   | –  | 0.44 $\pm$ 0.01   | – – M,R   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 36.   | Caryophyllene  | 1578   | 1580   | 1.17 $\pm$ 0.87  | –                 | – 0.54 $\pm$ 0.02 M,R                               |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| 37.   | Cadalene   | 1659   | 1659   | –  | 0.32 $\pm$ 0.08   | – – M,R   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| Total (%)   |  |  | 97.40  | 98.60  | 97.35             | 98.56 97.75 –                                       |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| Yield (%)   |  |  | 1.15   | 1.10   | 1.21              | 3.23 9.27 –   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| <a href="https://europepmc.org/article/MED/35807419">https://europepmc.org/article/MED/35807419</a> | Effects of Frankincense Compounds on Infection, Inflammation, and Oral Health.   | <a href="https://europepmc.org/articles/PMC9268443/table/molecules-27-04174-t002/">https://europepmc.org/articles/PMC9268443/table/molecules-27-04174-t002/</a>  | <p><b>Table 2</b><br/>Prominent features of compounds in frankincense resin and oils.</p> <table border="1"> <thead> <tr> <th>Frankincense Type</th> <th>Country of Origin</th> <th>Source</th> <th>Chemical/Active Component</th> <th>References</th> </tr> </thead> <tbody> <tr> <td><i>Boswellia dolzeli</i></td> <td>Chad, Mali, Nigeria</td> <td>Hydro-distilled leaf essential oil</td> <td><math>\delta</math>-3-carene (27.7%), <math>\alpha</math>-pinene (15.2%), <math>p</math>-cymene (9.5%), <math>\beta</math>-phellandrene (8.5%), isolongifolene (6.2%), and myrcene (5.7%).</td> <td>[65]</td> </tr> <tr> <td><i>Boswellia dolzeli</i></td> <td>Nigeria</td> <td>Hydro-distilled leaf essential oil</td> <td><math>\alpha</math>-pinene (45.7%) and <math>\alpha</math>-terpinene (11.5%), trans-sabinene hydrate (4.6%), cis-p-menth-2-en-1-ol (2.9%), <math>\alpha</math>-campholenal (2.7%), caryophyllene oxide, and <math>\alpha</math>-phellandrene (2.3%)</td> <td>[64]</td> </tr> <tr> <td><i>B. carterii</i></td> <td>Somalia</td> <td>Gum resin</td> <td>Esters (62.1%), 1-octyl acetate being predominant (60.0%). Alcohols amount to 15.4%, 1-octanol being the major component (12.7%), and diterpene constituents amount to 7.1%, including cembrene (1.4%), isocembrene (1.8%), incensole (2.7%), and isoincensole (0.8%) and a mixture of monoterpane hydrocarbons which amounts to 9.9%.</td> <td>[58]</td> </tr> <tr> <td><i>B. rivae</i></td> <td>Ethiopia</td> <td>Essential oil from frankincense</td> <td><math>\alpha</math>-Pinene (36.1–67.7%), <math>\delta</math>-3-carene (12.2%), and limonene (12.0%).</td> <td>[66]</td> </tr> <tr> <td><i>B. neglecta</i></td> <td>Ethiopia</td> <td>Essential oil from frankincense</td> <td><math>\alpha</math>-Pinene (36.1–67.7%), terpinen-4-ol (11.3%).</td> <td>[66]</td> </tr> </tbody> </table> <p><a href="#">Open in a separate window</a></p>   | Frankincense Type                                      | Country of Origin | Source  | Chemical/Active Component | References                                  | <i>Boswellia dolzeli</i>  | Chad, Mali, Nigeria  | Hydro-distilled leaf essential oil | $\delta$ -3-carene (27.7%), $\alpha$ -pinene (15.2%), $p$ -cymene (9.5%), $\beta$ -phellandrene (8.5%), isolongifolene (6.2%), and myrcene (5.7%).   | [65]              | <i>Boswellia dolzeli</i>                               | Nigeria   | Hydro-distilled leaf essential oil | $\alpha$ -pinene (45.7%) and $\alpha$ -terpinene (11.5%), trans-sabinene hydrate (4.6%), cis-p-menth-2-en-1-ol (2.9%), $\alpha$ -campholenal (2.7%), caryophyllene oxide, and $\alpha$ -phellandrene (2.3%) | [64]   | <i>B. carterii</i>   | Somalia  | Gum resin | Esters (62.1%), 1-octyl acetate being predominant (60.0%). Alcohols amount to 15.4%, 1-octanol being the major component (12.7%), and diterpene constituents amount to 7.1%, including cembrene (1.4%), isocembrene (1.8%), incensole (2.7%), and isoincensole (0.8%) and a mixture of monoterpane hydrocarbons which amounts to 9.9%. | [58] | <i>B. rivae</i>   | Ethiopia | Essential oil from frankincense | $\alpha$ -Pinene (36.1–67.7%), $\delta$ -3-carene (12.2%), and limonene (12.0%). | [66] | <i>B. neglecta</i>                  | Ethiopia | Essential oil from frankincense | $\alpha$ -Pinene (36.1–67.7%), terpinen-4-ol (11.3%). | [66] | <p><b>Table 2</b><br/>Prominent features of compounds in frankincense resin and oils.</p> | <p><b>Frankincense Type</b><br/><b>Country of Origin</b><br/><b>Source</b><br/><b>Chemical/Active Component</b><br/><b>References</b></p> <p><i>Boswellia dolzeli</i><br/>Chad, Mali, Nigeria<br/>Hydro-distilled leaf essential oil<br/><math>\delta</math>-3-carene (27.7%), <math>\alpha</math>-pinene (15.2%), <math>p</math>-cymene (9.5%), <math>\beta</math>-phellandrene (8.5%), isolongifolene (6.2%), and myrcene (5.7%).</p> <p><i>Boswellia dolzeli</i><br/>Nigeria<br/>Hydro-distilled leaf essential oil<br/><math>\alpha</math>-pinene (45.7%) and <math>\alpha</math>-terpinene (11.5%), trans-sabinene hydrate (4.6%), cis-p-menth-2-en-1-ol (2.9%), <math>\alpha</math>-campholenal (2.7%), caryophyllene oxide, and <math>\alpha</math>-phellandrene (2.3%)</p> <p><i>B. carterii</i><br/>Somalia<br/>Gum resin<br/>Esters (62.1%), 1-octyl acetate being predominant (60.0%). Alcohols amount to 15.4%, 1-octanol being the major component (12.7%), and diterpene constituents amount to 7.1%, including cembrene (1.4%), isocembrene (1.8%), incensole (2.7%), and isoincensole (0.8%) and a mixture of monoterpane hydrocarbons which amounts to 9.9%.</p> <p><i>B. rivae</i><br/>Ethiopia</p> |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| Frankincense Type   | Country of Origin  | Source   | Chemical/Active Component  | References   |                   |   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| <i>Boswellia dolzeli</i>  | Chad, Mali, Nigeria  | Hydro-distilled leaf essential oil   | $\delta$ -3-carene (27.7%), $\alpha$ -pinene (15.2%), $p$ -cymene (9.5%), $\beta$ -phellandrene (8.5%), isolongifolene (6.2%), and myrcene (5.7%).   | [65]   |                   |   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| <i>Boswellia dolzeli</i>  | Nigeria  | Hydro-distilled leaf essential oil   | $\alpha$ -pinene (45.7%) and $\alpha$ -terpinene (11.5%), trans-sabinene hydrate (4.6%), cis-p-menth-2-en-1-ol (2.9%), $\alpha$ -campholenal (2.7%), caryophyllene oxide, and $\alpha$ -phellandrene (2.3%)  | [64]   |                   |   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| <i>B. carterii</i>  | Somalia  | Gum resin  | Esters (62.1%), 1-octyl acetate being predominant (60.0%). Alcohols amount to 15.4%, 1-octanol being the major component (12.7%), and diterpene constituents amount to 7.1%, including cembrene (1.4%), isocembrene (1.8%), incensole (2.7%), and isoincensole (0.8%) and a mixture of monoterpane hydrocarbons which amounts to 9.9%.   | [58]   |                   |   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| <i>B. rivae</i>   | Ethiopia   | Essential oil from frankincense  | $\alpha$ -Pinene (36.1–67.7%), $\delta$ -3-carene (12.2%), and limonene (12.0%).   | [66]   |                   |   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |
| <i>B. neglecta</i>  | Ethiopia   | Essential oil from frankincense  | $\alpha$ -Pinene (36.1–67.7%), terpinen-4-ol (11.3%).  | [66]   |                   |   |                           |   |   |                      |                                    |  |                   |  |   |                                    |   |  |  |  |           |  |      |                   |          |                                 |  |      |                                     |          |                                 |   |      |   |   |   |    |          |     |     |   |                 |                       |    |          |     |     |   |   |                                       |    |          |     |     |   |                 |                                       |    |                        |      |      |   |                 |                                       |    |                     |      |      |                 |   |                                       |    |         |      |      |   |                  |                                       |     |             |      |      |                  |                 |  |     |          |      |      |   |   |                                      |     |                     |      |      |                 |   |  |     |               |      |      |   |   |                       |     |          |      |      |                 |   |                       |     |             |      |      |   |   |   |     |                   |      |      |   |   |                       |     |                   |      |      |   |   |                       |     |         |      |      |   |                 |                       |     |               |      |      |   |   |  |     |               |      |      |   |   |                                       |     |          |      |      |   |   |                       |     |       |      |      |                  |   |         |     |                |      |      |   |                  |         |     |                |      |      |   |   |                       |     |         |      |      |   |   |                       |     |          |      |      |                 |   |         |     |         |      |      |                  |   |         |     |                     |      |      |   |   |                                       |     |                |      |      |   |   |                        |     |         |      |      |   |   |                       |     |                 |      |      |                 |   |         |     |         |      |      |   |                 |         |     |               |      |      |   |                 |         |     |                     |      |      |   |                 |         |     |             |      |      |   |                 |         |     |               |      |      |                 |   |                       |     |          |      |      |   |                 |         |           |  |  |       |       |       |               |           |  |  |      |      |      |             |  |  |

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| <a href="https://europepmc.org/article/MED/35631552">https://europepmc.org/article/MED/35631552</a> | Essential Oils of Gardenia jasminoides J. Ellis and Gardenia jasminoides f. longicarpa Z.W. Xie & M. Okada Flowers: Chemical Characterization and Assessment of Anti-Inflammatory Effects in Alveolar Macrophage. | <a href="https://europepmc.org/articles/PMC9145545/table/pharmaceutics-14-00966-t001/">https://europepmc.org/articles/PMC9145545/table/pharmaceutics-14-00966-t001/</a> | <b>Table 1</b><br>The main constituents of the essential oils of the two gardenia flowers.                    | <b>Table 1</b><br>The main constituents of the essential oils of the two gardenia flowers.                    | The table lists those components whose peak area is >0.5% of the total peak area; “-” means not detected or the peak area <0.5%.   |
| <a href="https://europepmc.org/article/MED/35011355">https://europepmc.org/article/MED/35011355</a> | Phytochemical Profile, Antimicrobial, Cytotoxic, and Antioxidant Activities of Fresh and Air-Dried <i>Satureja nabateorum</i> Essential Oils.   | <a href="https://europepmc.org/articles/PMC8746579/table/molecules-27-00125-t001/">https://europepmc.org/articles/PMC8746579/table/molecules-27-00125-t001/</a>         | <b>Table 1</b><br>Chemical constituents of the essential oils from fresh and dry <i>Satureja nabateorum</i> . | <b>Table 1</b><br>Chemical constituents of the essential oils from fresh and dry <i>Satureja nabateorum</i> . |  |
| <a href="https://europepmc.org/article/MED/35893636">https://europepmc.org/article/MED/35893636</a> | Analysis of Volatile Constituents in Curcuma Species, viz. <i>C. aeruginosa</i> , <i>C. zedoaria</i> , and <i>C. longa</i> , from Nepal.  | <a href="https://europepmc.org/articles/PMC9332366/table/plants-11-01932-t001/">https://europepmc.org/articles/PMC9332366/table/plants-11-01932-t001/</a>               | <b>Table 1</b><br>Individual constituents of <i>Curcuma longa</i> essential oil.                              | <b>Table 1</b><br>Individual constituents of <i>Curcuma longa</i> essential oil.                              | RI <sub>calc</sub> = Retention index determined with respect to homologous series of n-alkanes on a ZB-5 column. RI <sub>db</sub> = Retention index from the database [33,34]. ‘t’ indicate trace (< 0.05%). |

| URL   | Title   | Table Link  | Table Pic (top)  | Table Header              | Table footer                 |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
|---|---|---|--|---------------------------|------------------------------|-----------------------------|---------------------------|----------|-------------------------|---------------------------|--------------------|----------|-------------------|-------------------|----------|----------|--------------------|--------------------|-------|-----------|----------------|-----|------------|----------------|----------|-------|----------------|------------|-------|-------------|----------------|----------|----------------|------|--------------------|----------------|-----|------------|-------------------|----------|--------------------|--------------------|------------|---------|-------------------|-------------------|-----|----------------|----------------|----------------|------|---------------|---------------------|------|--------------|-----------|--------------------|--------------------|------|-------------|--------------------|-----|--------------------|---------|----------------|------|-----|----------------|----------------|----------------|------|-----------------|-----------------|----------------|------------------|--------------|----------------|----------------|------|--------------|------|---|--|---------------|---|------|----------------|--|---|---|------|------|----------|-----|-----|------|------|-------------|------|-----|------|------|---------------|---|---|------|------|---------------|---|---|------|------|-------------|-----|---|------|------|----------------------|---|---|------|------|-------------|---|---|------|------|------------|-----|---|------|------|-------------------------------|---|---|------|------|----------|-----|-----|------|------|-----------|-----|-----|------|------|---------------|---|---|------|------|-----------------------------|---|---|------|------|-----------------------|---|---|------|------|---------------|---|---|---|--|
| <a href="https://europepmc.org/article/MED/35893636">https://europepmc.org/article/MED/35893636</a> | Analysis of Volatile Constituents in Curcuma Species, viz. <i>C. aeruginosa</i> , <i>C. zedoaria</i> , and <i>C. longa</i> , from Nepal.                          | <a href="https://europepmc.org/articles/PMC9332366/table/plants-11-01932-t002/">https://europepmc.org/articles/PMC9332366/table/plants-11-01932-t002/</a> | <p><b>Table 2</b><br/>Individual constituents of <i>Curcuma aeruginosa</i> and <i>Curcuma zedoaria</i> essential oil.</p> <table border="1"> <thead> <tr> <th rowspan="2">RI<sub>calc</sub></th> <th rowspan="2">RI<sub>db</sub></th> <th rowspan="2">Compound Name</th> <th colspan="2">Area % of Constituents in</th> </tr> <tr> <th><i>Curcuma zedoaria</i></th> <th><i>Curcuma aeruginosa</i></th> </tr> </thead> <tbody> <tr><td>882</td><td>885</td><td>3-Hepten-6-ol</td><td>0.1</td><td>-</td></tr> <tr><td>889</td><td>888</td><td>2-Heptanone</td><td>t</td><td>-</td></tr> <tr><td>894</td><td>894</td><td>2-Heptanol</td><td>0.3</td><td>0.2</td></tr> <tr><td>918</td><td>921</td><td>Tricyclene</td><td>t</td><td>t</td></tr> <tr><td>925</td><td>924</td><td>α-Thujene</td><td>t</td><td>t</td></tr> <tr><td>933</td><td>931</td><td>α-Pinene</td><td>0.8</td><td>0.2</td></tr> <tr><td>945</td><td>945</td><td>α-Fenchene</td><td>t</td><td>-</td></tr> <tr><td>949</td><td>948</td><td>Camphene</td><td>1.2</td><td>0.8</td></tr> <tr><td>953</td><td>954</td><td>Thuja-2,4(10)-diene</td><td>t</td><td>-</td></tr> <tr><td>972</td><td>972</td><td>Sabinene</td><td>0.2</td><td>t</td></tr> <tr><td>978</td><td>978</td><td>β-Pinene</td><td>1.7</td><td>1.3</td></tr> <tr><td>989</td><td>989</td><td>Myrcene</td><td>0.3</td><td>0.1</td></tr> <tr><td>998</td><td>994</td><td>2-Octanol</td><td>t</td><td>t</td></tr> <tr><td>1007</td><td>1008</td><td>α-Phellandrene</td><td>t</td><td>t</td></tr> <tr><td>1017</td><td>1016</td><td>α-Terpinene</td><td>t</td><td>t</td></tr> <tr><td>1020</td><td>1024</td><td>ρ-Cymene</td><td>t</td><td>t</td></tr> <tr><td>1024</td><td>1028</td><td>Limonene</td><td>1.1</td><td>0.2</td></tr> <tr><td>1033</td><td>1031</td><td>1,8-Cineole</td><td>19.6</td><td>1.2</td></tr> <tr><td>1035</td><td>1034</td><td>(Z)-β-Ocimene</td><td>t</td><td>-</td></tr> <tr><td>1045</td><td>1044</td><td>(E)-β-Ocimene</td><td>t</td><td>-</td></tr> <tr><td>1057</td><td>1058</td><td>γ-Terpinene</td><td>0.1</td><td>t</td></tr> <tr><td>1069</td><td>1071</td><td>cis-Sabinene hydrate</td><td>t</td><td>-</td></tr> <tr><td>1085</td><td>1086</td><td>Terpinolene</td><td>t</td><td>t</td></tr> <tr><td>1087</td><td>1090</td><td>2-Nonanone</td><td>0.6</td><td>t</td></tr> <tr><td>1090</td><td>1090</td><td>(3Z)-Hexenyl methyl carbonate</td><td>t</td><td>-</td></tr> <tr><td>1099</td><td>1099</td><td>Linalool</td><td>0.2</td><td>0.3</td></tr> <tr><td>1105</td><td>1103</td><td>2-Nonanol</td><td>0.6</td><td>0.4</td></tr> <tr><td>1112</td><td>1118</td><td>trans-Thujone</td><td>-</td><td>t</td></tr> <tr><td>1119</td><td>1122</td><td>trans-p-Menth-2,8-dien-1-ol</td><td>t</td><td>-</td></tr> <tr><td>1122</td><td>1124</td><td>cis-p-Menth-2-en-1-ol</td><td>t</td><td>-</td></tr> <tr><td>1122</td><td>1124</td><td>(E)-Nerolidol</td><td>-</td><td>-</td></tr> </tbody> </table> <p>RI<sub>calc</sub> = Retention index determined with respect to homologous series of n-alkanes on a ZB-5 column. RI<sub>db</sub> = Retention index from the database [33,34]. 't' indicate trace (&lt; 0.05%).</p> | RI <sub>calc</sub>        | RI <sub>db</sub>             | Compound Name               | Area % of Constituents in |          | <i>Curcuma zedoaria</i> | <i>Curcuma aeruginosa</i> | 882                | 885      | 3-Hepten-6-ol     | 0.1               | -        | 889      | 888                | 2-Heptanone        | t     | -         | 894            | 894 | 2-Heptanol | 0.3            | 0.2      | 918   | 921            | Tricyclene | t     | t           | 925            | 924      | α-Thujene      | t    | t                  | 933            | 931 | α-Pinene   | 0.8               | 0.2      | 945                | 945                | α-Fenchene | t       | -                 | 949               | 948 | Camphene       | 1.2            | 0.8            | 953  | 954           | Thuja-2,4(10)-diene | t    | -            | 972       | 972                | Sabinene           | 0.2  | t           | 978                | 978 | β-Pinene           | 1.7     | 1.3            | 989  | 989 | Myrcene        | 0.3            | 0.1            | 998  | 994             | 2-Octanol       | t              | t                | 1007         | 1008           | α-Phellandrene | t    | t            | 1017 | 1016  | α-Terpinene  | t             | t | 1020 | 1024           | ρ-Cymene   | t | t | 1024 | 1028 | Limonene | 1.1 | 0.2 | 1033 | 1031 | 1,8-Cineole | 19.6 | 1.2 | 1035 | 1034 | (Z)-β-Ocimene | t | - | 1045 | 1044 | (E)-β-Ocimene | t | - | 1057 | 1058 | γ-Terpinene | 0.1 | t | 1069 | 1071 | cis-Sabinene hydrate | t | - | 1085 | 1086 | Terpinolene | t | t | 1087 | 1090 | 2-Nonanone | 0.6 | t | 1090 | 1090 | (3Z)-Hexenyl methyl carbonate | t | - | 1099 | 1099 | Linalool | 0.2 | 0.3 | 1105 | 1103 | 2-Nonanol | 0.6 | 0.4 | 1112 | 1118 | trans-Thujone | - | t | 1119 | 1122 | trans-p-Menth-2,8-dien-1-ol | t | - | 1122 | 1124 | cis-p-Menth-2-en-1-ol | t | - | 1122 | 1124 | (E)-Nerolidol | - | - | <p><b>Table 2</b><br/>Individual constituents of <i>Curcuma aeruginosa</i> and <i>Curcuma zedoaria</i> essential oil.</p> | <p>RI<sub>calc</sub> = Retention index determined with respect to homologous series of n-alkanes on a ZB-5 column. RI<sub>db</sub> = Retention index from the database [33,34]. 't' indicate trace (&lt; 0.05%).</p> |
| RI <sub>calc</sub>  | RI <sub>db</sub>  | Compound Name   | Area % of Constituents in  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
|   |   |   | <i>Curcuma zedoaria</i>  | <i>Curcuma aeruginosa</i> |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 882   | 885   | 3-Hepten-6-ol   | 0.1  | -                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 889   | 888   | 2-Heptanone   | t  | -                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 894   | 894   | 2-Heptanol  | 0.3  | 0.2                       |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 918   | 921   | Tricyclene  | t  | t                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 925   | 924   | α-Thujene   | t  | t                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 933   | 931   | α-Pinene  | 0.8  | 0.2                       |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 945   | 945   | α-Fenchene  | t  | -                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 949   | 948   | Camphene  | 1.2  | 0.8                       |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 953   | 954   | Thuja-2,4(10)-diene   | t  | -                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 972   | 972   | Sabinene  | 0.2  | t                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 978   | 978   | β-Pinene  | 1.7  | 1.3                       |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 989   | 989   | Myrcene   | 0.3  | 0.1                       |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 998   | 994   | 2-Octanol   | t  | t                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1007  | 1008  | α-Phellandrene  | t  | t                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1017  | 1016  | α-Terpinene   | t  | t                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1020  | 1024  | ρ-Cymene  | t  | t                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1024  | 1028  | Limonene  | 1.1  | 0.2                       |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1033  | 1031  | 1,8-Cineole   | 19.6   | 1.2                       |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1035  | 1034  | (Z)-β-Ocimene   | t  | -                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1045  | 1044  | (E)-β-Ocimene   | t  | -                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1057  | 1058  | γ-Terpinene   | 0.1  | t                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1069  | 1071  | cis-Sabinene hydrate  | t  | -                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1085  | 1086  | Terpinolene   | t  | t                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1087  | 1090  | 2-Nonanone  | 0.6  | t                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1090  | 1090  | (3Z)-Hexenyl methyl carbonate   | t  | -                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1099  | 1099  | Linalool  | 0.2  | 0.3                       |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1105  | 1103  | 2-Nonanol   | 0.6  | 0.4                       |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1112  | 1118  | trans-Thujone   | -  | t                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1119  | 1122  | trans-p-Menth-2,8-dien-1-ol   | t  | -                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1122  | 1124  | cis-p-Menth-2-en-1-ol   | t  | -                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1122  | 1124  | (E)-Nerolidol   | -  | -                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| <a href="https://europepmc.org/article/MED/35893636">https://europepmc.org/article/MED/35893636</a> | Analysis of Volatile Constituents in Curcuma Species, viz. <i>C. aeruginosa</i> , <i>C. zedoaria</i> , and <i>C. longa</i> , from Nepal.                          | <a href="https://europepmc.org/articles/PMC9332366/table/plants-11-01932-t003/">https://europepmc.org/articles/PMC9332366/table/plants-11-01932-t003/</a> | <p><b>Table 3</b><br/>Enantiomeric distributions of chiral terpenoids of <i>Curcuma aeruginosa</i>, <i>Curcuma zedoaria</i>, and <i>Curcuma longa</i> essential oil.</p> <table border="1"> <thead> <tr> <th>Chiral Terpenoid Compound</th> <th><i>Curcuma aeruginosa</i></th> <th><i>Curcuma zedoaria</i></th> <th><i>Curcuma longa</i></th> </tr> </thead> <tbody> <tr><td>α-Pinene</td><td>(+)-24.7: (-)-75.3</td><td>(+)-43.5: (-)-56.5</td><td>(+)-70.6: (-)-29.4</td></tr> <tr><td>Camphene</td><td>(+)-90.7: (-)-9.3</td><td>(+)-92.3: (-)-7.7</td><td>-</td></tr> <tr><td>β-Pinene</td><td>(+)-59.1: (-)-40.9</td><td>(+)-47.8: (-)-52.2</td><td>-</td></tr> <tr><td>Sabinene</td><td>(+)-0: (-)-100</td><td>-</td><td>-</td></tr> <tr><td>α-Phellandrene</td><td>-</td><td>-</td><td>(+)-100: (-)-0</td></tr> <tr><td>δ-3-Carene</td><td>-</td><td>-</td><td>(+)-100: (-)-0</td></tr> <tr><td>Limonene</td><td>(+)-0: (-)-100</td><td>-</td><td>(+)-45.6: (-)-54.4</td></tr> <tr><td>β-Phellandrene</td><td>-</td><td>-</td><td>(+)-91.4: (-)-8.6</td></tr> <tr><td>Linalool</td><td>(+)-62.4: (-)-37.6</td><td>(+)-55.3: (-)-44.7</td><td>-</td></tr> <tr><td>Camphor</td><td>(+)-99.8: (-)-0.2</td><td>(+)-92.3: (-)-7.7</td><td>-</td></tr> <tr><td>Bornyl acetate</td><td>(+)-0: (-)-100</td><td>(+)-0: (-)-100</td><td>-</td></tr> <tr><td>Terpinen-4-ol</td><td>(+)-0: (-)-100</td><td>-</td><td>-</td></tr> <tr><td>δ-Elemene</td><td>(+)-45.0: (-)-55.0</td><td>(+)-33.7: (-)-66.3</td><td>-</td></tr> <tr><td>α-Terpineol</td><td>(+)-29.1: (-)-70.9</td><td>-</td><td>(+)-51.5: (-)-48.5</td></tr> <tr><td>Borneol</td><td>(+)-100: (-)-0</td><td>-</td><td>-</td></tr> <tr><td>β-Elemene</td><td>(+)-0: (-)-100</td><td>(+)-0: (-)-100</td><td>-</td></tr> <tr><td>β-Caryophyllene</td><td>(+)-0: (-)-100</td><td>(+)-0: (-)-100</td><td>(+)-0: (-)-100</td></tr> <tr><td>Germacrene D</td><td>(+)-100: (-)-0</td><td>(+)-100: (-)-0</td><td>-</td></tr> <tr><td>β-Bisabolene</td><td>-</td><td>-</td><td>(+)-92.9: (-)-7.1</td></tr> <tr><td>(E)-Nerolidol</td><td>-</td><td>-</td><td>(+)-0: (-)-100</td></tr> </tbody> </table>   | Chiral Terpenoid Compound | <i>Curcuma aeruginosa</i>    | <i>Curcuma zedoaria</i>     | <i>Curcuma longa</i>      | α-Pinene | (+)-24.7: (-)-75.3      | (+)-43.5: (-)-56.5        | (+)-70.6: (-)-29.4 | Camphene | (+)-90.7: (-)-9.3 | (+)-92.3: (-)-7.7 | -        | β-Pinene | (+)-59.1: (-)-40.9 | (+)-47.8: (-)-52.2 | -     | Sabinene  | (+)-0: (-)-100 | -   | -          | α-Phellandrene | -        | -     | (+)-100: (-)-0 | δ-3-Carene | -     | -           | (+)-100: (-)-0 | Limonene | (+)-0: (-)-100 | -    | (+)-45.6: (-)-54.4 | β-Phellandrene | -   | -          | (+)-91.4: (-)-8.6 | Linalool | (+)-62.4: (-)-37.6 | (+)-55.3: (-)-44.7 | -          | Camphor | (+)-99.8: (-)-0.2 | (+)-92.3: (-)-7.7 | -   | Bornyl acetate | (+)-0: (-)-100 | (+)-0: (-)-100 | -    | Terpinen-4-ol | (+)-0: (-)-100      | -    | -            | δ-Elemene | (+)-45.0: (-)-55.0 | (+)-33.7: (-)-66.3 | -    | α-Terpineol | (+)-29.1: (-)-70.9 | -   | (+)-51.5: (-)-48.5 | Borneol | (+)-100: (-)-0 | -    | -   | β-Elemene      | (+)-0: (-)-100 | (+)-0: (-)-100 | -    | β-Caryophyllene | (+)-0: (-)-100  | (+)-0: (-)-100 | (+)-0: (-)-100   | Germacrene D | (+)-100: (-)-0 | (+)-100: (-)-0 | -    | β-Bisabolene | -    | -   | (+)-92.9: (-)-7.1  | (E)-Nerolidol | - | -    | (+)-0: (-)-100 | <p><b>Table 3</b><br/>Enantiomeric distributions of chiral terpenoids of <i>Curcuma aeruginosa</i>, <i>Curcuma zedoaria</i>, and <i>Curcuma longa</i> essential oil.</p> |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| Chiral Terpenoid Compound   | <i>Curcuma aeruginosa</i>   | <i>Curcuma zedoaria</i>   | <i>Curcuma longa</i>   |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| α-Pinene  | (+)-24.7: (-)-75.3  | (+)-43.5: (-)-56.5  | (+)-70.6: (-)-29.4   |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| Camphene  | (+)-90.7: (-)-9.3   | (+)-92.3: (-)-7.7   | -  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| β-Pinene  | (+)-59.1: (-)-40.9  | (+)-47.8: (-)-52.2  | -  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| Sabinene  | (+)-0: (-)-100  | -   | -  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| α-Phellandrene  | -   | -   | (+)-100: (-)-0   |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| δ-3-Carene  | -   | -   | (+)-100: (-)-0   |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| Limonene  | (+)-0: (-)-100  | -   | (+)-45.6: (-)-54.4   |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| β-Phellandrene  | -   | -   | (+)-91.4: (-)-8.6  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| Linalool  | (+)-62.4: (-)-37.6  | (+)-55.3: (-)-44.7  | -  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| Camphor   | (+)-99.8: (-)-0.2   | (+)-92.3: (-)-7.7   | -  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| Bornyl acetate  | (+)-0: (-)-100  | (+)-0: (-)-100  | -  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| Terpinen-4-ol   | (+)-0: (-)-100  | -   | -  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| δ-Elemene   | (+)-45.0: (-)-55.0  | (+)-33.7: (-)-66.3  | -  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| α-Terpineol   | (+)-29.1: (-)-70.9  | -   | (+)-51.5: (-)-48.5   |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| Borneol   | (+)-100: (-)-0  | -   | -  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| β-Elemene   | (+)-0: (-)-100  | (+)-0: (-)-100  | -  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| β-Caryophyllene   | (+)-0: (-)-100  | (+)-0: (-)-100  | (+)-0: (-)-100   |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| Germacrene D  | (+)-100: (-)-0  | (+)-100: (-)-0  | -  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| β-Bisabolene  | -   | -   | (+)-92.9: (-)-7.1  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| (E)-Nerolidol   | -   | -   | (+)-0: (-)-100   |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| <a href="https://europepmc.org/article/MED/35755940">https://europepmc.org/article/MED/35755940</a> | Antioxidant, Antidiabetic, and Antibacterial Potentials and Chemical Composition of <i>Salvia officinalis</i> and <i>Mentha suaveolens</i> Grown Wild in Morocco. | <a href="https://europepmc.org/articles/PMC9217590/table/tab5/">https://europepmc.org/articles/PMC9217590/table/tab5/</a>                                 | <p><b>Table 5</b><br/>Chemical composition of the essential oils (EOs) of <i>Salvia officinalis</i> and <i>Mentha suaveolens</i>.</p> <table border="1"> <thead> <tr> <th>No.</th> <th><i>Salvia officinalis</i> EO</th> <th><i>Mentha suaveolens</i> EO</th> </tr> <tr> <th></th> <th>Compound</th> <th>%</th> <th>Compound</th> <th>%</th> </tr> </thead> <tbody> <tr><td>1</td><td>Thujone</td><td>33.77</td><td>Pulegone</td><td>37.16</td></tr> <tr><td>2</td><td>Caryophyllene</td><td>12.28</td><td>Pyrazines</td><td>33.81</td></tr> <tr><td>3</td><td>Humulene</td><td>12.19</td><td>Limonene</td><td>11.19</td></tr> <tr><td>4</td><td>Camphor</td><td>11.52</td><td>Umbellulone</td><td>6.09</td></tr> <tr><td>5</td><td>Naphthalene</td><td>9.94</td><td>Camphor</td><td>4.27</td></tr> <tr><td>6</td><td>Eucalyptol</td><td>8.11</td><td>3-Carene</td><td>1.34</td></tr> <tr><td>7</td><td>α-Pinene</td><td>3.31</td><td>2-Bornanone</td><td>1.2</td></tr> <tr><td>8</td><td>β-Pinene</td><td>1.8</td><td>Menthone</td><td>0.98</td></tr> <tr><td>9</td><td>β-Myrcene</td><td>1.49</td><td>1-Octen-3-ol</td><td>0.97</td></tr> <tr><td>10</td><td>Germacrene D</td><td>1.36</td><td>α-Pinene</td><td>0.88</td></tr> <tr><td>11</td><td>Borneol</td><td>1.18</td><td>Thujone</td><td>0.60</td></tr> <tr><td>12</td><td>Cyclopentane-3</td><td>0.96</td><td>o-Menth-8-ene</td><td>0.39</td></tr> <tr><td>13</td><td>trans-β-Ocimene</td><td>0.60</td><td>trans-Calamenene</td><td>0.17</td></tr> <tr><td>14</td><td>γ-Terpinene</td><td>0.51</td><td></td><td></td></tr> </tbody> </table>  | No.                       | <i>Salvia officinalis</i> EO | <i>Mentha suaveolens</i> EO |                           | Compound | %                       | Compound                  | %                  | 1        | Thujone           | 33.77             | Pulegone | 37.16    | 2                  | Caryophyllene      | 12.28 | Pyrazines | 33.81          | 3   | Humulene   | 12.19          | Limonene | 11.19 | 4              | Camphor    | 11.52 | Umbellulone | 6.09           | 5        | Naphthalene    | 9.94 | Camphor            | 4.27           | 6   | Eucalyptol | 8.11              | 3-Carene | 1.34               | 7                  | α-Pinene   | 3.31    | 2-Bornanone       | 1.2               | 8   | β-Pinene       | 1.8            | Menthone       | 0.98 | 9             | β-Myrcene           | 1.49 | 1-Octen-3-ol | 0.97      | 10                 | Germacrene D       | 1.36 | α-Pinene    | 0.88               | 11  | Borneol            | 1.18    | Thujone        | 0.60 | 12  | Cyclopentane-3 | 0.96           | o-Menth-8-ene  | 0.39 | 13              | trans-β-Ocimene | 0.60           | trans-Calamenene | 0.17         | 14             | γ-Terpinene    | 0.51 |              |      | <p><b>Table 5</b><br/>Chemical composition of the essential oils (EOs) of <i>Salvia officinalis</i> and <i>Mentha suaveolens</i>.</p> | <p>Chemical composition of the essential oils (EOs) of <i>Salvia officinalis</i> and <i>Mentha suaveolens</i>.</p> |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| No.   | <i>Salvia officinalis</i> EO  | <i>Mentha suaveolens</i> EO   |  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
|   | Compound  | %   | Compound   | %                         |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 1   | Thujone   | 33.77   | Pulegone   | 37.16                     |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 2   | Caryophyllene   | 12.28   | Pyrazines  | 33.81                     |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 3   | Humulene  | 12.19   | Limonene   | 11.19                     |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 4   | Camphor   | 11.52   | Umbellulone  | 6.09                      |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 5   | Naphthalene   | 9.94  | Camphor  | 4.27                      |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 6   | Eucalyptol  | 8.11  | 3-Carene   | 1.34                      |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 7   | α-Pinene  | 3.31  | 2-Bornanone  | 1.2                       |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 8   | β-Pinene  | 1.8   | Menthone   | 0.98                      |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 9   | β-Myrcene   | 1.49  | 1-Octen-3-ol   | 0.97                      |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 10  | Germacrene D  | 1.36  | α-Pinene   | 0.88                      |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 11  | Borneol   | 1.18  | Thujone  | 0.60                      |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 12  | Cyclopentane-3  | 0.96  | o-Menth-8-ene  | 0.39                      |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 13  | trans-β-Ocimene   | 0.60  | trans-Calamenene   | 0.17                      |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |
| 14  | γ-Terpinene   | 0.51  |  |                           |                              |                             |                           |          |                         |                           |                    |          |                   |                   |          |          |                    |                    |       |           |                |     |            |                |          |       |                |            |       |             |                |          |                |      |                    |                |     |            |                   |          |                    |                    |            |         |                   |                   |     |                |                |                |      |               |                     |      |              |           |                    |                    |      |             |                    |     |                    |         |                |      |     |                |                |                |      |                 |                 |                |                  |              |                |                |      |              |      |   |  |               |   |      |                |  |   |   |      |      |          |     |     |      |      |             |      |     |      |      |               |   |   |      |      |               |   |   |      |      |             |     |   |      |      |                      |   |   |      |      |             |   |   |      |      |            |     |   |      |      |                               |   |   |      |      |          |     |     |      |      |           |     |     |      |      |               |   |   |      |      |                             |   |   |      |      |                       |   |   |      |      |               |   |   |   |  |

| URL   | Title   | Table Link   | Table Pic (top)   | Table Header | Table footer      |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
|---|---|--|---|--------------|-------------------|-----------------------------|-----------------------|----------------|--|----------------------|-----------------------|---|------------------------|--|---|---------------------|-----------------------------------|--|---|-----------|----------|------------------|------|---------------------------------|-----------|------|---|-------------|-------------------------------|-----------|----------|---|------|------------------------------------|-----------|----|-------------------|------|------------------------------------|-----------|----------|-------------------|------|------------------------------------|------------|------|--|-------------|-----------------------------------|----------|----------|---|------|--|------------|------|--|-------------|--------------------------------|------------|---------|--|------|-------------------------------|------------|------|---|--------------|-------------------------------|------------|----------------|---|------|-------------------------------------|------------|----|--|------|-------------------------------------|------------|-------------|--|------|---|---|------|------|-------------|------|---|----------------|------|------|-------------|------|------|------|-------------|------|---|-------------|------|------|-------------|------|------|------|-------------|------|----|-------------|------|------|-------------|------|------|------|-------------|------|----|---------------|------|------|-------------|------|------|------|-------------|------|----|--------------|------|------|-------------|------|------|------|-------------|------|----|-------------|------|------|-------------|------|------|------|-------------|------|----|--------------|------|------|-------------|------|------|------|-------------|------|----|-----------------|------|------|-------------|------|------|------|-------------|------|----|-------------------|------|------|-------------|------|------|------|-------------|------|----|------------|------|------|-------------|------|------|------|-------------|------|----|---------------|------|------|-------------|------|---|---|---|---|----|--------------|------|------|-------------|------|------|------|-------------|------|----|----------|------|------|-------------|------|------|------|-------------|------|----|------------|------|------|-------------|------|---|---|---|---|----|---------------|------|------|-------------|------|---|---|---|---|----|---------------|------|------|-------------|------|---|---|---|---|----|-------------------------|------|------|-------------|------|------|------|-------------|------|----|----------|------|------|--------------|------|------|---|--------------|---|----|--------------|------|------|-------------|------|---|---|---|---|----|--------------------------------|------|------|-------------|------|---|---|---|---|----|-----------|------|------|-------------|------|------|---|-------------|---|----|-------------|------|------|-------------|------|------|---|-------------|---|----|---------------------|------|------|-------------|------|------|------|-------------|------|----|---------|------|------|--------------|------|------|------|--------------|------|----|-------------|------|------|-------------|------|------|------|-------------|------|----|----------------|------|------|-------------|------|---|---|---|---|--|------------------------------|--|-------|--|--|-------|--|--|--|--|--------------------------------|--|------|--|--|------|--|--|--|--|-------------------------------|--|------|--|--|------|--|--|--|--|-----------------------------|--|-------|--|--|-------|--|--|--|--|---------------------------|--|------|--|--|------|--|--|--|--|------------|--|------|--|--|------|--|--|--|--|-----------|--|-------|--|--|-------|--|--|--|--|--|---|
| <a href="https://europepmc.org/article/MED/35744919">https://europepmc.org/article/MED/35744919</a> | Chemical Characterization and Biological Activity of the Essential Oil from Araucaria brasiliensis Collected in Ecuador.      | <a href="https://europepmc.org/articles/PMC9230380/table/molecules-27-0379-3-t001/">https://europepmc.org/articles/PMC9230380/table/molecules-27-0379-3-t001/</a>  | <p><b>Table 1</b><br/>Chemical composition of <i>Araucaria brasiliensis</i> leaf essential oil (EO).</p> <table border="1"> <thead> <tr> <th rowspan="2">Nº</th> <th rowspan="2">Compound</th> <th colspan="3">DB5-ms</th> <th colspan="3">HP-INNOWax</th> </tr> <tr> <th>LRI <sup>a</sup></th> <th>LRI <sup>b</sup></th> <th>X ± SD</th> <th>Ref.</th> <th>LRI <sup>a</sup></th> <th>LRI <sup>b</sup></th> <th>X ± SD</th> <th>Ref.</th> </tr> </thead> <tbody> <tr><td>1</td><td>α-Pinene</td><td>931</td><td>932</td><td>9.99 ± 2.81</td><td>[22]</td><td>1062</td><td>1066</td><td>6.32 ± 1.01</td><td>[22]</td></tr> <tr><td>2</td><td>Camphene</td><td>948</td><td>946</td><td>0.08 ± 0.02</td><td>[22]</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>Sabinene</td><td>971</td><td>969</td><td>0.12 ± 0.04</td><td>[22]</td><td>1122</td><td>1121</td><td>0.20 ± 0.05</td><td>[23]</td></tr> <tr><td>4</td><td>β-Pinene</td><td>976</td><td>974</td><td>3.34 ± 0.73</td><td>[22]</td><td>1111</td><td>1112</td><td>4.68 ± 1.02</td><td>[23]</td></tr> <tr><td>5</td><td>Myrcene</td><td>989</td><td>985</td><td>11.02 ± 1.97</td><td>[22]</td><td>1168</td><td>1170</td><td>13.41 ± 0.98</td><td>[28]</td></tr> <tr><td>6</td><td>α-Phellandrene</td><td>1006</td><td>1002</td><td>0.16 ± 0.05</td><td>[22]</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>α-Terpinene</td><td>1016</td><td>1014</td><td>0.07 ± 0.05</td><td>[22]</td><td>1176</td><td>1185</td><td>0.06 ± 0.01</td><td>[29]</td></tr> <tr><td>8</td><td>β-Phellandrene</td><td>1030</td><td>1025</td><td>1.90 ± 0.32</td><td>[22]</td><td>1209</td><td>1210</td><td>1.25 ± 0.27</td><td>[30]</td></tr> <tr><td>9</td><td>γ-Terpinene</td><td>1057</td><td>1054</td><td>0.08 ± 0.01</td><td>[22]</td><td>1244</td><td>1245</td><td>0.11 ± 0.02</td><td>[31]</td></tr> <tr><td>10</td><td>Terpinolene</td><td>1084</td><td>1086</td><td>0.07 ± 0.02</td><td>[22]</td><td>1281</td><td>1280</td><td>0.11 ± 0.03</td><td>[30]</td></tr> <tr><td>11</td><td>Aromadendrene</td><td>1374</td><td>1374</td><td>0.07 ± 0.03</td><td>[22]</td><td>1594</td><td>1604</td><td>0.13 ± 0.03</td><td>[32]</td></tr> <tr><td>12</td><td>Guai-6-diene</td><td>1436</td><td>1439</td><td>0.07 ± 0.03</td><td>[22]</td><td>1597</td><td>1594</td><td>0.15 ± 0.03</td><td>[33]</td></tr> <tr><td>13</td><td>γ-Muurolone</td><td>1440</td><td>1442</td><td>0.07 ± 0.02</td><td>[22]</td><td>1679</td><td>1676</td><td>0.18 ± 0.04</td><td>[34]</td></tr> <tr><td>14</td><td>Germacrene D</td><td>1473</td><td>1478</td><td>1.11 ± 0.15</td><td>[22]</td><td>1698</td><td>1700</td><td>1.51 ± 0.12</td><td>[30]</td></tr> <tr><td>15</td><td>Viridiflorigene</td><td>1479</td><td>1480</td><td>0.11 ± 0.05</td><td>[22]</td><td>1685</td><td>1679</td><td>0.14 ± 0.03</td><td>[35]</td></tr> <tr><td>16</td><td>Bicyclogermacrene</td><td>1489</td><td>1496</td><td>3.14 ± 0.21</td><td>[22]</td><td>1725</td><td>1722</td><td>4.08 ± 0.38</td><td>[36]</td></tr> <tr><td>17</td><td>δ-Cadinene</td><td>1493</td><td>1500</td><td>0.15 ± 0.05</td><td>[22]</td><td>1750</td><td>1750</td><td>0.29 ± 0.04</td><td>[30]</td></tr> <tr><td>18</td><td>β-Copaen-4-ol</td><td>1511</td><td>1513</td><td>0.18 ± 0.16</td><td>[22]</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>19</td><td>Viridiflorol</td><td>1516</td><td>1522</td><td>0.19 ± 0.05</td><td>[22]</td><td>2075</td><td>2069</td><td>0.16 ± 0.01</td><td>[37]</td></tr> <tr><td>20</td><td>Globulol</td><td>1556</td><td>1559</td><td>0.14 ± 0.05</td><td>[22]</td><td>2066</td><td>2057</td><td>0.27 ± 0.09</td><td>[37]</td></tr> <tr><td>21</td><td>α-Muurolol</td><td>1560</td><td>1575</td><td>0.12 ± 0.04</td><td>[22]</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>22</td><td>epi-α-Cadinol</td><td>1567</td><td>1567</td><td>0.15 ± 0.02</td><td>[22]</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>23</td><td>Octadec-1-ene</td><td>1574</td><td>1590</td><td>0.10 ± 0.03</td><td>[22]</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>24</td><td>Res-5,15-diene (Rumene)</td><td>1592</td><td>1592</td><td>5.87 ± 1.01</td><td>[22]</td><td>2240</td><td>2255</td><td>8.00 ± 0.24</td><td>[38]</td></tr> <tr><td>25</td><td>Beyerene</td><td>1642</td><td>1644</td><td>26.08 ± 3.65</td><td>[22]</td><td>2186</td><td>-</td><td>25.78 ± 1.55</td><td>-</td></tr> <tr><td>26</td><td>Pimaraadiene</td><td>1653</td><td>1638</td><td>0.24 ± 0.05</td><td>[22]</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>27</td><td>Sandaracopimara-8(14),15-diene</td><td>1795</td><td>1789</td><td>4.47 ± 0.84</td><td>[22]</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>28</td><td>Scclarene</td><td>1902</td><td>1900</td><td>0.54 ± 0.15</td><td>[22]</td><td>2262</td><td>-</td><td>0.52 ± 0.04</td><td>-</td></tr> <tr><td>29</td><td>Kaur-15-ene</td><td>1933</td><td>1933</td><td>0.60 ± 0.17</td><td>[22]</td><td>2280</td><td>-</td><td>0.76 ± 0.03</td><td>-</td></tr> <tr><td>30</td><td>13-epi-Manool oxide</td><td>1939</td><td>1931</td><td>2.31 ± 1.07</td><td>[22]</td><td>2360</td><td>2376</td><td>2.17 ± 0.16</td><td>[32]</td></tr> <tr><td>31</td><td>Kaurene</td><td>1950</td><td>1948</td><td>24.86 ± 2.21</td><td>[22]</td><td>2386</td><td>2399</td><td>29.24 ± 0.97</td><td>[34]</td></tr> <tr><td>32</td><td>Abietadiene</td><td>1970</td><td>1968</td><td>0.14 ± 0.05</td><td>[22]</td><td>2450</td><td>2450</td><td>0.14 ± 0.01</td><td>[32]</td></tr> <tr><td>33</td><td>Phyllocladanol</td><td>2000</td><td>1997</td><td>0.22 ± 0.01</td><td>[22]</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td></td><td>Monoterpene hydrocarbons (%)</td><td></td><td>12.55</td><td></td><td></td><td>21.05</td><td></td><td></td><td></td></tr> <tr><td></td><td>Sesquiterpene hydrocarbons (%)</td><td></td><td>6.10</td><td></td><td></td><td>6.72</td><td></td><td></td><td></td></tr> <tr><td></td><td>Oxygenated sesquiterpenes (%)</td><td></td><td>0.93</td><td></td><td></td><td>0.87</td><td></td><td></td><td></td></tr> <tr><td></td><td>Diterpenes hydrocarbons (%)</td><td></td><td>65.41</td><td></td><td></td><td>68.16</td><td></td><td></td><td></td></tr> <tr><td></td><td>Oxygenated diterpenes (%)</td><td></td><td>3.12</td><td></td><td></td><td>2.17</td><td></td><td></td><td></td></tr> <tr><td></td><td>Others (%)</td><td></td><td>0.05</td><td></td><td></td><td>0.10</td><td></td><td></td><td></td></tr> <tr><td></td><td>Total (%)</td><td></td><td>88.16</td><td></td><td></td><td>99.07</td><td></td><td></td><td></td></tr> </tbody> </table> <p>LRI <sup>a</sup> = calculated linear retention index; LRI <sup>b</sup> = linear retention index from reference; Ref. = reference; X ± SD = percentage in the oil and standard deviation; both values were calculated as the means of three determinations; (-) unidentified compound on HP-INNOWax column.</p> | Nº           | Compound          | DB5-ms                      |                       |                | HP-INNOWax   |                      |                       | LRI <sup>a</sup>  | LRI <sup>b</sup>       | X ± SD   | Ref.  | LRI <sup>a</sup>    | LRI <sup>b</sup>                  | X ± SD   | Ref.  | 1         | α-Pinene | 931              | 932  | 9.99 ± 2.81                     | [22]      | 1062 | 1066  | 6.32 ± 1.01 | [22]                          | 2         | Camphene | 948   | 946  | 0.08 ± 0.02                        | [22]      | -  | -                 | -    | -                                  | 3         | Sabinene | 971               | 969  | 0.12 ± 0.04                        | [22]       | 1122 | 1121   | 0.20 ± 0.05 | [23]                              | 4        | β-Pinene | 976   | 974  | 3.34 ± 0.73                            | [22]       | 1111 | 1112   | 4.68 ± 1.02 | [23]                           | 5          | Myrcene | 989  | 985  | 11.02 ± 1.97                  | [22]       | 1168 | 1170  | 13.41 ± 0.98 | [28]                          | 6          | α-Phellandrene | 1006  | 1002 | 0.16 ± 0.05                         | [22]       | -  | -  | -    | -                                   | 7          | α-Terpinene | 1016   | 1014 | 0.07 ± 0.05   | [22]  | 1176 | 1185 | 0.06 ± 0.01 | [29] | 8 | β-Phellandrene | 1030 | 1025 | 1.90 ± 0.32 | [22] | 1209 | 1210 | 1.25 ± 0.27 | [30] | 9 | γ-Terpinene | 1057 | 1054 | 0.08 ± 0.01 | [22] | 1244 | 1245 | 0.11 ± 0.02 | [31] | 10 | Terpinolene | 1084 | 1086 | 0.07 ± 0.02 | [22] | 1281 | 1280 | 0.11 ± 0.03 | [30] | 11 | Aromadendrene | 1374 | 1374 | 0.07 ± 0.03 | [22] | 1594 | 1604 | 0.13 ± 0.03 | [32] | 12 | Guai-6-diene | 1436 | 1439 | 0.07 ± 0.03 | [22] | 1597 | 1594 | 0.15 ± 0.03 | [33] | 13 | γ-Muurolone | 1440 | 1442 | 0.07 ± 0.02 | [22] | 1679 | 1676 | 0.18 ± 0.04 | [34] | 14 | Germacrene D | 1473 | 1478 | 1.11 ± 0.15 | [22] | 1698 | 1700 | 1.51 ± 0.12 | [30] | 15 | Viridiflorigene | 1479 | 1480 | 0.11 ± 0.05 | [22] | 1685 | 1679 | 0.14 ± 0.03 | [35] | 16 | Bicyclogermacrene | 1489 | 1496 | 3.14 ± 0.21 | [22] | 1725 | 1722 | 4.08 ± 0.38 | [36] | 17 | δ-Cadinene | 1493 | 1500 | 0.15 ± 0.05 | [22] | 1750 | 1750 | 0.29 ± 0.04 | [30] | 18 | β-Copaen-4-ol | 1511 | 1513 | 0.18 ± 0.16 | [22] | - | - | - | - | 19 | Viridiflorol | 1516 | 1522 | 0.19 ± 0.05 | [22] | 2075 | 2069 | 0.16 ± 0.01 | [37] | 20 | Globulol | 1556 | 1559 | 0.14 ± 0.05 | [22] | 2066 | 2057 | 0.27 ± 0.09 | [37] | 21 | α-Muurolol | 1560 | 1575 | 0.12 ± 0.04 | [22] | - | - | - | - | 22 | epi-α-Cadinol | 1567 | 1567 | 0.15 ± 0.02 | [22] | - | - | - | - | 23 | Octadec-1-ene | 1574 | 1590 | 0.10 ± 0.03 | [22] | - | - | - | - | 24 | Res-5,15-diene (Rumene) | 1592 | 1592 | 5.87 ± 1.01 | [22] | 2240 | 2255 | 8.00 ± 0.24 | [38] | 25 | Beyerene | 1642 | 1644 | 26.08 ± 3.65 | [22] | 2186 | - | 25.78 ± 1.55 | - | 26 | Pimaraadiene | 1653 | 1638 | 0.24 ± 0.05 | [22] | - | - | - | - | 27 | Sandaracopimara-8(14),15-diene | 1795 | 1789 | 4.47 ± 0.84 | [22] | - | - | - | - | 28 | Scclarene | 1902 | 1900 | 0.54 ± 0.15 | [22] | 2262 | - | 0.52 ± 0.04 | - | 29 | Kaur-15-ene | 1933 | 1933 | 0.60 ± 0.17 | [22] | 2280 | - | 0.76 ± 0.03 | - | 30 | 13-epi-Manool oxide | 1939 | 1931 | 2.31 ± 1.07 | [22] | 2360 | 2376 | 2.17 ± 0.16 | [32] | 31 | Kaurene | 1950 | 1948 | 24.86 ± 2.21 | [22] | 2386 | 2399 | 29.24 ± 0.97 | [34] | 32 | Abietadiene | 1970 | 1968 | 0.14 ± 0.05 | [22] | 2450 | 2450 | 0.14 ± 0.01 | [32] | 33 | Phyllocladanol | 2000 | 1997 | 0.22 ± 0.01 | [22] | - | - | - | - |  | Monoterpene hydrocarbons (%) |  | 12.55 |  |  | 21.05 |  |  |  |  | Sesquiterpene hydrocarbons (%) |  | 6.10 |  |  | 6.72 |  |  |  |  | Oxygenated sesquiterpenes (%) |  | 0.93 |  |  | 0.87 |  |  |  |  | Diterpenes hydrocarbons (%) |  | 65.41 |  |  | 68.16 |  |  |  |  | Oxygenated diterpenes (%) |  | 3.12 |  |  | 2.17 |  |  |  |  | Others (%) |  | 0.05 |  |  | 0.10 |  |  |  |  | Total (%) |  | 88.16 |  |  | 99.07 |  |  |  | <p><b>Table 1</b><br/>Chemical composition of <i>Araucaria brasiliensis</i> leaf essential oil (EO).</p> | <p><b>Table 1</b><br/>Chemical composition of <i>Araucaria brasiliensis</i> leaf essential oil (EO).</p> | <p>LRI <sup>a</sup> = calculated linear retention index; LRI <sup>b</sup> = linear retention index from reference; Ref. = reference; X ± SD = percentage in the oil and standard deviation; both values were calculated as the means of three determinations; (-) unidentified compound on HP-INNOWax column.</p> |
| Nº  | Compound  | DB5-ms   |   |              |                   | HP-INNOWax                  |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
|   |   | LRI <sup>a</sup>   | LRI <sup>b</sup>  | X ± SD       | Ref.              | LRI <sup>a</sup>            | LRI <sup>b</sup>      | X ± SD         | Ref.   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 1   | α-Pinene  | 931  | 932   | 9.99 ± 2.81  | [22]              | 1062                        | 1066                  | 6.32 ± 1.01    | [22]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 2   | Camphene  | 948  | 946   | 0.08 ± 0.02  | [22]              | -                           | -                     | -              | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 3   | Sabinene  | 971  | 969   | 0.12 ± 0.04  | [22]              | 1122                        | 1121                  | 0.20 ± 0.05    | [23]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 4   | β-Pinene  | 976  | 974   | 3.34 ± 0.73  | [22]              | 1111                        | 1112                  | 4.68 ± 1.02    | [23]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 5   | Myrcene   | 989  | 985   | 11.02 ± 1.97 | [22]              | 1168                        | 1170                  | 13.41 ± 0.98   | [28]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 6   | α-Phellandrene  | 1006   | 1002  | 0.16 ± 0.05  | [22]              | -                           | -                     | -              | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 7   | α-Terpinene   | 1016   | 1014  | 0.07 ± 0.05  | [22]              | 1176                        | 1185                  | 0.06 ± 0.01    | [29]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 8   | β-Phellandrene  | 1030   | 1025  | 1.90 ± 0.32  | [22]              | 1209                        | 1210                  | 1.25 ± 0.27    | [30]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 9   | γ-Terpinene   | 1057   | 1054  | 0.08 ± 0.01  | [22]              | 1244                        | 1245                  | 0.11 ± 0.02    | [31]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 10  | Terpinolene   | 1084   | 1086  | 0.07 ± 0.02  | [22]              | 1281                        | 1280                  | 0.11 ± 0.03    | [30]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 11  | Aromadendrene   | 1374   | 1374  | 0.07 ± 0.03  | [22]              | 1594                        | 1604                  | 0.13 ± 0.03    | [32]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 12  | Guai-6-diene  | 1436   | 1439  | 0.07 ± 0.03  | [22]              | 1597                        | 1594                  | 0.15 ± 0.03    | [33]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 13  | γ-Muurolone   | 1440   | 1442  | 0.07 ± 0.02  | [22]              | 1679                        | 1676                  | 0.18 ± 0.04    | [34]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 14  | Germacrene D  | 1473   | 1478  | 1.11 ± 0.15  | [22]              | 1698                        | 1700                  | 1.51 ± 0.12    | [30]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 15  | Viridiflorigene   | 1479   | 1480  | 0.11 ± 0.05  | [22]              | 1685                        | 1679                  | 0.14 ± 0.03    | [35]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 16  | Bicyclogermacrene   | 1489   | 1496  | 3.14 ± 0.21  | [22]              | 1725                        | 1722                  | 4.08 ± 0.38    | [36]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 17  | δ-Cadinene  | 1493   | 1500  | 0.15 ± 0.05  | [22]              | 1750                        | 1750                  | 0.29 ± 0.04    | [30]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 18  | β-Copaen-4-ol   | 1511   | 1513  | 0.18 ± 0.16  | [22]              | -                           | -                     | -              | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 19  | Viridiflorol  | 1516   | 1522  | 0.19 ± 0.05  | [22]              | 2075                        | 2069                  | 0.16 ± 0.01    | [37]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 20  | Globulol  | 1556   | 1559  | 0.14 ± 0.05  | [22]              | 2066                        | 2057                  | 0.27 ± 0.09    | [37]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 21  | α-Muurolol  | 1560   | 1575  | 0.12 ± 0.04  | [22]              | -                           | -                     | -              | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 22  | epi-α-Cadinol   | 1567   | 1567  | 0.15 ± 0.02  | [22]              | -                           | -                     | -              | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 23  | Octadec-1-ene   | 1574   | 1590  | 0.10 ± 0.03  | [22]              | -                           | -                     | -              | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 24  | Res-5,15-diene (Rumene)   | 1592   | 1592  | 5.87 ± 1.01  | [22]              | 2240                        | 2255                  | 8.00 ± 0.24    | [38]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 25  | Beyerene  | 1642   | 1644  | 26.08 ± 3.65 | [22]              | 2186                        | -                     | 25.78 ± 1.55   | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 26  | Pimaraadiene  | 1653   | 1638  | 0.24 ± 0.05  | [22]              | -                           | -                     | -              | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 27  | Sandaracopimara-8(14),15-diene  | 1795   | 1789  | 4.47 ± 0.84  | [22]              | -                           | -                     | -              | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 28  | Scclarene   | 1902   | 1900  | 0.54 ± 0.15  | [22]              | 2262                        | -                     | 0.52 ± 0.04    | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 29  | Kaur-15-ene   | 1933   | 1933  | 0.60 ± 0.17  | [22]              | 2280                        | -                     | 0.76 ± 0.03    | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 30  | 13-epi-Manool oxide   | 1939   | 1931  | 2.31 ± 1.07  | [22]              | 2360                        | 2376                  | 2.17 ± 0.16    | [32]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 31  | Kaurene   | 1950   | 1948  | 24.86 ± 2.21 | [22]              | 2386                        | 2399                  | 29.24 ± 0.97   | [34]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 32  | Abietadiene   | 1970   | 1968  | 0.14 ± 0.05  | [22]              | 2450                        | 2450                  | 0.14 ± 0.01    | [32]   |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| 33  | Phyllocladanol  | 2000   | 1997  | 0.22 ± 0.01  | [22]              | -                           | -                     | -              | -  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
|   | Monoterpene hydrocarbons (%)  |  | 12.55   |              |                   | 21.05                       |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
|   | Sesquiterpene hydrocarbons (%)  |  | 6.10  |              |                   | 6.72                        |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
|   | Oxygenated sesquiterpenes (%)   |  | 0.93  |              |                   | 0.87                        |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
|   | Diterpenes hydrocarbons (%)   |  | 65.41   |              |                   | 68.16                       |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
|   | Oxygenated diterpenes (%)   |  | 3.12  |              |                   | 2.17                        |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
|   | Others (%)  |  | 0.05  |              |                   | 0.10                        |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
|   | Total (%)   |  | 88.16   |              |                   | 99.07                       |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <a href="https://europepmc.org/article/MED/35889245">https://europepmc.org/article/MED/35889245</a> | Essential Oil of the Plants Growing in the Brazilian Amazon: Chemical Composition, Antioxidants, and Biological Applications. | <a href="https://europepmc.org/articles/PMC9318482/table/molecules-27-0437-3-t001/">https://europepmc.org/articles/PMC9318482/table/molecules-27-0437-3-t001/</a>  | <p><b>Table 1</b><br/>Major chemical constituents (<math>\geq 3.00\%</math>) found in the essential oils of the Amazon.</p> <table border="1"> <thead> <tr> <th>Species</th> <th>Family</th> <th>Extraction Method</th> <th>Compounds</th> <th>References</th> </tr> </thead> <tbody> <tr><td><i>Anaxagorea brevipes</i> (leaves)</td><td>Annonaceae</td><td>HD</td><td><math>\beta</math>-eudesmol (13.16%), <math>\alpha</math>-eudesmol (13.05%), <math>\gamma</math>-eudesmol (7.54%), guaiol (5.12%), caryophyllene oxide (4.18%) and <math>\beta</math>-bisabolene (4.10%)</td><td>[15]</td></tr> <tr><td><i>Aniba 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$\alpha$ -eudesmol (13.05%), $\gamma$ -eudesmol (7.54%), guaiol (5.12%), caryophyllene oxide (4.18%) and $\beta$ -bisabolene (4.10%)  | [15]                   | <i>Aniba duckei</i> (Synonym: <i>A. roseodora</i> ) (leaves and thin branches) | Lauraceae   | HD                  | linalool (89.34%)                 | [16]   | <i>A. parviflora</i> (Aerial parts)   | Lauraceae | HD       | linalool (45.0%) | [17] | <i>A. parviflora</i> (branches) | Lauraceae | HD   | $\gamma$ -eudesmol (16.80%), (E)-caryophyllene (15.70%), linalool (12.40%), $\beta$ -phellandrene (6.7%), and bicyclogermacrene (6.00%) | [18]        | <i>A. parviflora</i> (leaves) | Lauraceae | HD       | $\beta$ -phellandrene (15.10%), linalool (14.10%) and $\gamma$ -eudesmol (12.90%) | [18] | <i>A. roseodora</i> (Aerial parts) | Lauraceae | HD | linalool (88.60%) | [17] | <i>A. roseodora</i> (Aerial parts) | Lauraceae | HD       | linalool (93.60%) | [19] | <i>Annona excusca</i> (Dry leaves) | Annonaceae | HD   | 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multiflora</i> (Aerial parts) | Annonaceae | HD | cis-linalool oxide (33.10%) and 1-epi-cubenol (16.60%) | [24] | <i>B. multiflora</i> (fresh leaves) | Annonaceae | HD          | spathulenol (13.00–16.20%), $\beta$ -bisabolene (13.20–13.80%) and caryophyllene oxide | [25] | <p><b>Table 1</b><br/>Major chemical constituents (<math>\geq 3.00\%</math>) found in the essential oils of the Amazon.</p> | <p>HD: Hydrodistillation; SD: steam distillation; MAE: microwave-assisted extraction.</p> |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      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  |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| Species   | Family  | Extraction Method  | Compounds   | References   |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>Anaxagorea brevipes</i> (leaves)   | Annonaceae  | HD   | $\beta$ -eudesmol (13.16%), $\alpha$ -eudesmol (13.05%), $\gamma$ -eudesmol (7.54%), guaiol (5.12%), caryophyllene oxide (4.18%) and $\beta$ -bisabolene (4.10%)  | [15]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>Aniba duckei</i> (Synonym: <i>A. roseodora</i> ) (leaves and thin branches)                      | Lauraceae   | HD   | linalool (89.34%)   | [16]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>A. parviflora</i> (Aerial parts)   | Lauraceae   | HD   | linalool (45.0%)  | [17]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>A. parviflora</i> (branches)   | Lauraceae   | HD   | $\gamma$ -eudesmol (16.80%), (E)-caryophyllene (15.70%), linalool (12.40%), $\beta$ -phellandrene (6.7%), and bicyclogermacrene (6.00%)   | [18]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>A. parviflora</i> (leaves)   | Lauraceae   | HD   | $\beta$ -phellandrene (15.10%), linalool (14.10%) and $\gamma$ -eudesmol (12.90%)   | [18]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>A. roseodora</i> (Aerial parts)  | Lauraceae   | HD   | linalool (88.60%)   | [17]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>A. roseodora</i> (Aerial parts)  | Lauraceae   | HD   | linalool (93.60%)   | [19]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>Annona excusca</i> (Dry leaves)  | Annonaceae  | HD   | (E)-caryophyllene (31.26%), linalool (10.80%), $\beta$ -elemene (10.30%), germacrene D (10.28%), bicyclogermacrene (9.84%)  | [20]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>Bauhinia ungulata</i> (leaves)   | Fabaceae  | HD   | (E)-caryophyllene (15.9%), caryophyllene oxide (9.2%), $\alpha$ -humulene (8.1%) and epi- $\gamma$ -eudesmol (7.5%)   | [21]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>Bocageopsis pleiosperma</i> (Barks)  | Annonaceae  | HD   | $\beta$ -bisabolene (38.53%), $\delta$ -cadinene (7.55%), $\beta$ -selinene (6.46%) and $\alpha$ -selinene (5.18%)  | [22]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>B. pleiosperma</i> (leaves)  | Annonaceae  | HD   | $\beta$ -bisabolene (55.77%), (E)- $\beta$ -bergamotene (6.54%) and $\beta$ -farnesene (6.05%)  | [22]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>B. pleiosperma</i> (twigs)   | Annonaceae  | HD   | $\beta$ -bisabolene (34.37%), cryptomerione (9.60%) and (22, 22, 6, 6)-farnesol (7.20%), (22, 6, 6)-farnesol (11.90%)   | [22]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>B. multiflora</i> (Leaves)   | Annonaceae  | HD   | spathulenol (20.30%) and $\beta$ -bisabolene (11.90%)   | [23]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>B. multiflora</i> (Aerial parts)   | Annonaceae  | HD   | cis-linalool oxide (33.10%) and 1-epi-cubenol (16.60%)  | [24]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <i>B. multiflora</i> (fresh leaves)   | Annonaceae  | HD   | spathulenol (13.00–16.20%), $\beta$ -bisabolene (13.20–13.80%) and caryophyllene oxide  | [25]         |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <a href="https://europepmc.org/article/MED/35721200">https://europepmc.org/article/MED/35721200</a> | Chemical Constituents of Essential Oils Used in Olfactory Training: Focus on COVID-19 Induced Olfactory Dysfunction.          | <a href="https://europepmc.org/articles/PMC9201274/table/T1/">https://europepmc.org/articles/PMC9201274/table/T1/</a>  | <p><b>TABLE 1</b><br/>Major chemical constituents of clove plants and essential oils.</p> <table border="1"> <thead> <tr> <th>Data source</th> <th>Source of samples</th> <th>Major chemical constituents</th> </tr> </thead> <tbody> <tr><td>Amelia et al. (2017)</td><td>From clove bud</td><td>Clove from Java, Indonesia: eugenol 55.60%, eugenyl acetate 20.54%, caryophyllene 14.84%, <math>\alpha</math>-humelene 2.75%, <math>\beta</math>-elemene 0.04%, <math>\alpha</math>-cadinene 0.05%, ledol 0.06%; from Manodo, Indonesia: eugenol 74.64%, caryophyllene 12.79%, eugenyl acetate 8.70%, <math>\alpha</math>-humelene 1.53%, <math>\beta</math>-gurjunene 0.04%, <math>\gamma</math>-cadinene 0.03%, humelene oxide 0.05%; comparison with other papers, eugenol, 47.60–89.20%, caryophyllene, trace level to 35.40%, eugenyl acetate, 1.20–20.54%, <math>\alpha</math>-humelene, trace level to 2.75%</td></tr> <tr><td>Chaiab et al. (2007)</td><td>From clove flower bud</td><td>Eugenol 88.59%, eugenyl acetate 5.62%, <math>\beta</math>-caryophyllene 1.39%, 2-heptanone 0.93%, ethyl hexanoate 0.66%, <math>\alpha</math>-humulene 0.20%, calacorene 0.11%, calamene 0.11%</td></tr> <tr><td>Jirowetz et al. (2006)</td><td>From clove leaf</td><td>Eugenol 76.8%, <math>\beta</math>-caryophyllene 17.4%, <math>\alpha</math>-humulene 2.1%, eugenyl acetate 1.2%, caryophyllene oxide 0.4%, methylchavicol 0.2%</td></tr> <tr><td>Uddin et al. (2017)</td><td>From clove buds oil in Bangladesh</td><td>m-eugenol 69.44%, eugenyl acetate 10.79%, caryophyllene 6.8%, tyrantron 7.78%, trace amounts of other constituents &lt;1%</td></tr> </tbody> </table>   | Data source  | Source of samples | Major chemical constituents | Amelia et al. 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(2017) | From clove buds oil in Bangladesh | m-eugenol 69.44%, eugenyl acetate 10.79%, caryophyllene 6.8%, tyrantron 7.78%, trace amounts of other constituents <1% | <p><b>TABLE 1</b><br/>Major chemical constituents of clove plants and essential oils.</p> |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| Data source   | Source of samples   | Major chemical constituents  |   |              |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| Amelia et al. (2017)  | From clove bud  | Clove from Java, Indonesia: eugenol 55.60%, eugenyl acetate 20.54%, caryophyllene 14.84%, $\alpha$ -humelene 2.75%, $\beta$ -elemene 0.04%, $\alpha$ -cadinene 0.05%, ledol 0.06%; from Manodo, Indonesia: eugenol 74.64%, caryophyllene 12.79%, eugenyl acetate 8.70%, $\alpha$ -humelene 1.53%, $\beta$ -gurjunene 0.04%, $\gamma$ -cadinene 0.03%, humelene oxide 0.05%; comparison with other papers, eugenol, 47.60–89.20%, caryophyllene, trace level to 35.40%, eugenyl acetate, 1.20–20.54%, $\alpha$ -humelene, trace level to 2.75%  |   |              |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| Chaiab et al. (2007)  | From clove flower bud   | Eugenol 88.59%, eugenyl acetate 5.62%, $\beta$ -caryophyllene 1.39%, 2-heptanone 0.93%, ethyl hexanoate 0.66%, $\alpha$ -humulene 0.20%, calacorene 0.11%, calamene 0.11%  |   |              |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| Jirowetz et al. (2006)  | From clove leaf   | Eugenol 76.8%, $\beta$ -caryophyllene 17.4%, $\alpha$ -humulene 2.1%, eugenyl acetate 1.2%, caryophyllene oxide 0.4%, methylchavicol 0.2%  |   |              |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| Uddin et al. (2017)   | From clove buds oil in Bangladesh   | m-eugenol 69.44%, eugenyl acetate 10.79%, caryophyllene 6.8%, tyrantron 7.78%, trace amounts of other constituents <1%   |   |              |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| <a href="https://europepmc.org/article/MED/35721200">https://europepmc.org/article/MED/35721200</a> | Chemical Constituents of Essential Oils Used in Olfactory Training: Focus on COVID-19 Induced Olfactory Dysfunction.          | <a href="https://europepmc.org/articles/PMC9201274/table/T2/">https://europepmc.org/articles/PMC9201274/table/T2/</a>  | <p><b>TABLE 2</b><br/>Major chemical constituents of eucalyptus plants and essential oils.</p> <table border="1"> <thead> <tr> <th>Data source</th> <th>Source of samples</th> <th>Major chemical constituents</th> </tr> </thead> <tbody> <tr><td>Barbosa et al. (2016)</td><td>Review paper</td><td>Major chemical constituents in the extracts from leaves are terpenes and terpenoids at various concentrations. The concentrations vary among the species of <i>Eucalyptus</i> and the location they were harvested. 1,8-Cineole most often is the most major chemical constituent in <i>E. camaldulensis</i>, <i>E. cinerea</i>, and <i>E. globulus</i> (percentages vary from as low as almost 10% to as high as over 90%), whereas citronellal is the major chemical constituent in <i>E. citriodora</i> (percentages varied from as low as almost 20% to as high as over 90%). <math>\alpha</math>-Pinene is the major chemical constituent in <i>E. saligna</i> (from 24.4 to 45.1%), depending on the location plants are harvested</td></tr> <tr><td>Dogan et al. (2017)</td><td>Leaf Fruit</td><td>1,8-cineole 14.1%, <math>\alpha</math>-pinene 12.7%, <math>\alpha</math>-terpineol 10.7%, limonene 5.5%, borneol 5.5%, spathulenol 3.2%, 1,8-cineole 34.5%, <math>\alpha</math>-cymene 30.0%, <math>\alpha</math>-terpineol 15.1%, <math>\alpha</math>-pinene 9.0%, borneol 5.3%, <math>\gamma</math>-terpineol 5.1%, spathulenol none, limonene none</td></tr> <tr><td>Salehi et al. (2019b)</td><td>Review paper</td><td>Percentages are not shown</td></tr> <tr><td>Sebei et al. (2015)</td><td>Review paper</td><td>Comparing the percentages among species, 1,8-cineole (49.07–83.50%) and <math>\alpha</math>-pinene (</td></tr></tbody></table>  | Data source  | Source of samples | Major chemical constituents | Barbosa et al. (2016) | Review paper   | Major chemical constituents in the extracts from leaves are terpenes and terpenoids at various concentrations. The concentrations vary among the species of <i>Eucalyptus</i> and the location they were harvested. 1,8-Cineole most often is the most major chemical constituent in <i>E. camaldulensis</i> , <i>E. cinerea</i> , and <i>E. globulus</i> (percentages vary from as low as almost 10% to as high as over 90%), whereas citronellal is the major chemical constituent in <i>E. citriodora</i> (percentages varied from as low as almost 20% to as high as over 90%). $\alpha$ -Pinene is the major chemical constituent in <i>E. saligna</i> (from 24.4 to 45.1%), depending on the location plants are harvested | Dogan et al. (2017)  | Leaf Fruit            | 1,8-cineole 14.1%, $\alpha$ -pinene 12.7%, $\alpha$ -terpineol 10.7%, limonene 5.5%, borneol 5.5%, spathulenol 3.2%, 1,8-cineole 34.5%, $\alpha$ -cymene 30.0%, $\alpha$ -terpineol 15.1%, $\alpha$ -pinene 9.0%, borneol 5.3%, $\gamma$ -terpineol 5.1%, spathulenol none, limonene none | Salehi et al. (2019b)  | Review paper   | Percentages are not shown   | Sebei et al. (2015) | Review paper                      | Comparing the percentages among species, 1,8-cineole (49.07–83.50%) and $\alpha$ -pinene (                             |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| Data source   | Source of samples   | Major chemical constituents  |   |              |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| Barbosa et al. (2016)   | Review paper  | Major chemical constituents in the extracts from leaves are terpenes and terpenoids at various concentrations. The concentrations vary among the species of <i>Eucalyptus</i> and the location they were harvested. 1,8-Cineole most often is the most major chemical constituent in <i>E. camaldulensis</i> , <i>E. cinerea</i> , and <i>E. globulus</i> (percentages vary from as low as almost 10% to as high as over 90%), whereas citronellal is the major chemical constituent in <i>E. citriodora</i> (percentages varied from as low as almost 20% to as high as over 90%). $\alpha$ -Pinene is the major chemical constituent in <i>E. saligna</i> (from 24.4 to 45.1%), depending on the location plants are harvested |   |              |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| Dogan et al. (2017)   | Leaf Fruit  | 1,8-cineole 14.1%, $\alpha$ -pinene 12.7%, $\alpha$ -terpineol 10.7%, limonene 5.5%, borneol 5.5%, spathulenol 3.2%, 1,8-cineole 34.5%, $\alpha$ -cymene 30.0%, $\alpha$ -terpineol 15.1%, $\alpha$ -pinene 9.0%, borneol 5.3%, $\gamma$ -terpineol 5.1%, spathulenol none, limonene none  |   |              |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| Salehi et al. (2019b)   | Review paper  | Percentages are not shown  |   |              |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |
| Sebei et al. (2015)   | Review paper  | Comparing the percentages among species, 1,8-cineole (49.07–83.50%) and $\alpha$ -pinene (   |   |              |                   |                             |                       |                |  |                      |                       |   |                        |  |   |                     |                                   |  |   |           |          |                  |      |                                 |           |      |   |             |                               |           |          |   |      |                                    |           |    |                   |      |                                    |           |          |                   |      |                                    |            |      |  |             |                                   |          |          |   |      |  |            |      |  |             |                                |            |         |  |      |                               |            |      |   |              |                               |            |                |   |      |                                     |            |    |  |      |                                     |            |             |  |      |   |   |      |      |             |      |   |                |      |      |             |      |      |      |             |      |   |             |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |               |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |             |      |      |             |      |      |      |             |      |    |              |      |      |             |      |      |      |             |      |    |                 |      |      |             |      |      |      |             |      |    |                   |      |      |             |      |      |      |             |      |    |            |      |      |             |      |      |      |             |      |    |               |      |      |             |      |   |   |   |   |    |              |      |      |             |      |      |      |             |      |    |          |      |      |             |      |      |      |             |      |    |            |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |               |      |      |             |      |   |   |   |   |    |                         |      |      |             |      |      |      |             |      |    |          |      |      |              |      |      |   |              |   |    |              |      |      |             |      |   |   |   |   |    |                                |      |      |             |      |   |   |   |   |    |           |      |      |             |      |      |   |             |   |    |             |      |      |             |      |      |   |             |   |    |                     |      |      |             |      |      |      |             |      |    |         |      |      |              |      |      |      |              |      |    |             |      |      |             |      |      |      |             |      |    |                |      |      |             |      |   |   |   |   |  |                              |  |       |  |  |       |  |  |  |  |                                |  |      |  |  |      |  |  |  |  |                               |  |      |  |  |      |  |  |  |  |                             |  |       |  |  |       |  |  |  |  |                           |  |      |  |  |      |  |  |  |  |            |  |      |  |  |      |  |  |  |  |           |  |       |  |  |       |  |  |  |  |  |   |

| URL   | Title  | Table Link  | Table Pic (top)  | Table Header  | Table footer                         |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
|---|--|---|--|---|--------------------------------------|-----------------------------|------------------------------------|----------------------------|---|------------------------|--|--|--------------------------|---------------------|--|---|--|--|--|---|---|---------|---|---|-----------------|---|---|----------|--|---|--------------------|---|---|----------|--------------------|---|----------|-----------|---|---------|-----------|---|-----------------------|---|---|-----------------------|---|---|------------------|---|---|----------|---|---|-------------|--------------------------|--------------------------|---------------------|---|---|---|--|
| <a href="https://europepmc.org/article/MED/35721200">https://europepmc.org/article/MED/35721200</a> | Chemical Constituents of Essential Oils Used in Olfactory Training: Focus on COVID-19 Induced Olfactory Dysfunction.   | <a href="https://europepmc.org/articles/PMC9201274/table/T3/">https://europepmc.org/articles/PMC9201274/table/T3/</a>   | <p><b>TABLE 3</b><br/>Major chemical constituents of lemon plants and essential oils.</p> <table border="1"> <thead> <tr> <th>Data source</th> <th>Source of samples</th> <th>Major chemical constituents</th> </tr> </thead> <tbody> <tr> <td>Klimek-Szczykutowicz et al. (2020)</td> <td>Essential oil of pericarp</td> <td>Limonene 69.9%, p-menta-3,8-diene 18.0%, <math>\beta</math>-pinene 11.2%, <math>\gamma</math>-terpinene 8.21%, myrcene 4.4%, sabinene 3.9%, geranial 2.9%, nerol 1.5%, linalool 1.41%, <math>\alpha</math>-pinene 1.1%, <math>\alpha</math>-thujene 1.1%, <math>\beta</math>-bisabolene 0.5%, (E)-<math>\beta</math>-ocimene 0.4%, geraniol 0.2%, <math>\beta</math>-caryophyllene 0.2% limonene 31.5%, sabinene 15.9%, citronellal 11.6%, linalool 4.6%, nerol 4.5%, geranial 4.5%, (E)-<math>\beta</math>-ocimene 3.9%, myrcene 2.9%, citronellol 2.3%, <math>\beta</math>-caryophyllene 1.7%, terpinen-4-ol 1.4%</td> </tr> <tr> <td>Lucardi et al. (2021)</td> <td>Essential oils</td> <td>Limonene 59.14%, <math>\gamma</math>-terpinene 10.48%, <math>\beta</math>-pinene 15.41%, sabinene 1.76%, <math>\beta</math>-myrcene 1.65%, <math>\alpha</math>-pinene 1.64%</td> </tr> <tr> <td>Pucci et al. (2020)</td> <td>The whole fractions</td> <td>Limonene 67.1%, <math>\beta</math>-pinene 10.88%, <math>\gamma</math>-terpinene 9.32%, <math>\alpha</math>-pinene 1.81%, geranial 1.72%, sabinene 1.83%, myrcene 1.57%</td> </tr> </tbody> </table>   | Data source   | Source of samples                    | Major chemical constituents | Klimek-Szczykutowicz et al. (2020) | Essential oil of pericarp  | Limonene 69.9%, p-menta-3,8-diene 18.0%, $\beta$ -pinene 11.2%, $\gamma$ -terpinene 8.21%, myrcene 4.4%, sabinene 3.9%, geranial 2.9%, nerol 1.5%, linalool 1.41%, $\alpha$ -pinene 1.1%, $\alpha$ -thujene 1.1%, $\beta$ -bisabolene 0.5%, (E)- $\beta$ -ocimene 0.4%, geraniol 0.2%, $\beta$ -caryophyllene 0.2% limonene 31.5%, sabinene 15.9%, citronellal 11.6%, linalool 4.6%, nerol 4.5%, geranial 4.5%, (E)- $\beta$ -ocimene 3.9%, myrcene 2.9%, citronellol 2.3%, $\beta$ -caryophyllene 1.7%, terpinen-4-ol 1.4% | Lucardi et al. (2021)  | Essential oils   | Limonene 59.14%, $\gamma$ -terpinene 10.48%, $\beta$ -pinene 15.41%, sabinene 1.76%, $\beta$ -myrcene 1.65%, $\alpha$ -pinene 1.64%  | Pucci et al. (2020)      | The whole fractions | Limonene 67.1%, $\beta$ -pinene 10.88%, $\gamma$ -terpinene 9.32%, $\alpha$ -pinene 1.81%, geranial 1.72%, sabinene 1.83%, myrcene 1.57% | <b>TABLE 3</b><br>Major chemical constituents of lemon plants and essential oils. |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Data source   | Source of samples  | Major chemical constituents   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Klimek-Szczykutowicz et al. (2020)  | Essential oil of pericarp  | Limonene 69.9%, p-menta-3,8-diene 18.0%, $\beta$ -pinene 11.2%, $\gamma$ -terpinene 8.21%, myrcene 4.4%, sabinene 3.9%, geranial 2.9%, nerol 1.5%, linalool 1.41%, $\alpha$ -pinene 1.1%, $\alpha$ -thujene 1.1%, $\beta$ -bisabolene 0.5%, (E)- $\beta$ -ocimene 0.4%, geraniol 0.2%, $\beta$ -caryophyllene 0.2% limonene 31.5%, sabinene 15.9%, citronellal 11.6%, linalool 4.6%, nerol 4.5%, geranial 4.5%, (E)- $\beta$ -ocimene 3.9%, myrcene 2.9%, citronellol 2.3%, $\beta$ -caryophyllene 1.7%, terpinen-4-ol 1.4% |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Lucardi et al. (2021)   | Essential oils   | Limonene 59.14%, $\gamma$ -terpinene 10.48%, $\beta$ -pinene 15.41%, sabinene 1.76%, $\beta$ -myrcene 1.65%, $\alpha$ -pinene 1.64%   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Pucci et al. (2020)   | The whole fractions  | Limonene 67.1%, $\beta$ -pinene 10.88%, $\gamma$ -terpinene 9.32%, $\alpha$ -pinene 1.81%, geranial 1.72%, sabinene 1.83%, myrcene 1.57%  |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| <a href="https://europepmc.org/article/MED/35721200">https://europepmc.org/article/MED/35721200</a> | Chemical Constituents of Essential Oils Used in Olfactory Training: Focus on COVID-19 Induced Olfactory Dysfunction.   | <a href="https://europepmc.org/articles/PMC9201274/table/T4/">https://europepmc.org/articles/PMC9201274/table/T4/</a>   | <p><b>TABLE 4</b><br/>Major chemical constituents of rose plants and essential oils.</p> <table border="1"> <thead> <tr> <th>Data source</th> <th>Source of samples</th> <th>Major chemical constituents</th> </tr> </thead> <tbody> <tr> <td>Akram et al. (2019)</td> <td>Oil Absolute rose Hydrosol</td> <td>Geraniols (5.5–18%), <math>\beta</math>-citronellol (14.5–47.5%), nonadecane (10.5–40.5%) heneicosane, ethanol (0–13.43%), geraniol (3.71%), citronellol (9.91%), nonadecane (4.35%), phenylethylalcohol (78.38%) nerol (16.12%), phenylethyl alcohol (23.74%), citronellol (29.44%), geraniol (30.74%)</td> </tr> <tr> <td>Mileva et al. (2021)</td> <td>Oils</td> <td>There are large differences among geological differences and species differences; geraniol (17.60–30.98%), nerol (4.36–10.10%), citronellol (9.22–28.72%), n-nonadecane (8.10–22.67%), n-heneicosane (5.00–10.21%)</td> </tr> <tr> <td>Ryu et al. (2020)</td> <td>Oils</td> <td>There are large differences among breeds (mutants) of roses</td> </tr> <tr> <td>Verma et al. (2010)</td> <td>From bud, half bloom, full bloomEssential oils</td> <td>Phenyl ethyl alcohol (PEA) 66.2–80.7%, other major chemical constituent, although much less in the percentages, were citronellol (1.8–5.5%) and geraniol (4.4–7.9%). Major chemical constituents were citronellol (15.9–35.3%), geraniol (8.3–30.2%), nerol (4.0–9.6%), nonadecane (4.5–16.0%), and heneicosane (2.6–7.9%), and not PEA (0.6–2.9%)</td> </tr> </tbody> </table>  | Data source   | Source of samples                    | Major chemical constituents | Akram et al. (2019)                | Oil Absolute rose Hydrosol | Geraniols (5.5–18%), $\beta$ -citronellol (14.5–47.5%), nonadecane (10.5–40.5%) heneicosane, ethanol (0–13.43%), geraniol (3.71%), citronellol (9.91%), nonadecane (4.35%), phenylethylalcohol (78.38%) nerol (16.12%), phenylethyl alcohol (23.74%), citronellol (29.44%), geraniol (30.74%)   | Mileva et al. (2021)   | Oils   | There are large differences among geological differences and species differences; geraniol (17.60–30.98%), nerol (4.36–10.10%), citronellol (9.22–28.72%), n-nonadecane (8.10–22.67%), n-heneicosane (5.00–10.21%) | Ryu et al. (2020)        | Oils                | There are large differences among breeds (mutants) of roses  | Verma et al. (2010)   | From bud, half bloom, full bloomEssential oils                             | Phenyl ethyl alcohol (PEA) 66.2–80.7%, other major chemical constituent, although much less in the percentages, were citronellol (1.8–5.5%) and geraniol (4.4–7.9%). Major chemical constituents were citronellol (15.9–35.3%), geraniol (8.3–30.2%), nerol (4.0–9.6%), nonadecane (4.5–16.0%), and heneicosane (2.6–7.9%), and not PEA (0.6–2.9%) | <b>TABLE 4</b><br>Major chemical constituents of rose plants and essential oils. |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Data source   | Source of samples  | Major chemical constituents   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Akram et al. (2019)   | Oil Absolute rose Hydrosol   | Geraniols (5.5–18%), $\beta$ -citronellol (14.5–47.5%), nonadecane (10.5–40.5%) heneicosane, ethanol (0–13.43%), geraniol (3.71%), citronellol (9.91%), nonadecane (4.35%), phenylethylalcohol (78.38%) nerol (16.12%), phenylethyl alcohol (23.74%), citronellol (29.44%), geraniol (30.74%)   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
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| Ryu et al. (2020)   | Oils   | There are large differences among breeds (mutants) of roses   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
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| <a href="https://europepmc.org/article/MED/35721200">https://europepmc.org/article/MED/35721200</a> | Chemical Constituents of Essential Oils Used in Olfactory Training: Focus on COVID-19 Induced Olfactory Dysfunction.   | <a href="https://europepmc.org/articles/PMC9201274/table/T5/">https://europepmc.org/articles/PMC9201274/table/T5/</a>   | <p><b>TABLE 5</b><br/>Chemicals compounds in the four essential oils with anti-inflammatory effects and binding affinity with SARS-CoV-2.</p> <table border="1"> <thead> <tr> <th>Chemical constituents with anti-inflammatory effect</th> <th>Effects other than anti-inflammation</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>Borneol</td> <td>Anti-viral (HSV-1 virus)</td> <td>Armaka et al. (1999)</td> </tr> <tr> <td><math>\beta</math>-caryophyllene</td> <td>Facilitate regeneration, enhance cell proliferation/migration; analgesic</td> <td>Koyama et al. (2019)</td> </tr> <tr> <td>1,8-cineole (eucalyptol)</td> <td>—</td> <td>—</td> </tr> <tr> <td>Citronellol</td> <td>Activate peroxisome proliferator-activated receptor (PPAR) alpha and gamma</td> <td>Katsukawa et al. (2011)</td> </tr> <tr> <td>p-cymene</td> <td>—</td> <td>—</td> </tr> <tr> <td>Eugenol</td> <td>—</td> <td>—</td> </tr> <tr> <td>Eugenyl acetate</td> <td>—</td> <td>—</td> </tr> <tr> <td>Geraniol</td> <td>Anti-angiogenic, anti-cell proliferative, apoptosis-inducing effects Vinothkumar et al., (2012); anti-ulcerogenic effects de Carvalho et al. (2014); Binding affinity to SARS-CoV-2 RBD of S-glycoprotein Kulkarni et al. (2021); activate peroxisome proliferator-activated receptor (PPAR) alpha and gamma Katsukawa et al. (2011)</td> <td>Vinothkumar et al. (2012), de Carvalho et al. (2014), Kulkarni et al. (2021), Katsukawa et al. (2011)</td> </tr> <tr> <td><math>\alpha</math>-humulene</td> <td>—</td> <td>—</td> </tr> <tr> <td>Limonene</td> <td>Anti-tumorigenesis</td> <td>—</td> </tr> <tr> <td>Linalool</td> <td>Analgesic</td> <td>—</td> </tr> <tr> <td>Myrcene</td> <td>Analgesic</td> <td>—</td> </tr> <tr> <td>(E)-<math>\beta</math>-ocimene</td> <td>—</td> <td>—</td> </tr> <tr> <td><math>\alpha</math>-phelandrene</td> <td>—</td> <td>—</td> </tr> <tr> <td><math>\alpha</math>-pinene</td> <td>—</td> <td>—</td> </tr> <tr> <td>Sabinene</td> <td>—</td> <td>—</td> </tr> <tr> <td>Spathulenol</td> <td>Dnti-nociceptive effects</td> <td>Dos Santos et al. (2020)</td> </tr> <tr> <td><math>\gamma</math>-terpinene</td> <td>—</td> <td>—</td> </tr> </tbody> </table> | Chemical constituents with anti-inflammatory effect | Effects other than anti-inflammation | References                  | Borneol                            | Anti-viral (HSV-1 virus)   | Armaka et al. (1999)  | $\beta$ -caryophyllene | Facilitate regeneration, enhance cell proliferation/migration; analgesic | Koyama et al. (2019)   | 1,8-cineole (eucalyptol) | —                   | —  | Citronellol   | Activate peroxisome proliferator-activated receptor (PPAR) alpha and gamma | Katsukawa et al. (2011)  | p-cymene   | — | — | Eugenol | — | — | Eugenyl acetate | — | — | Geraniol | Anti-angiogenic, anti-cell proliferative, apoptosis-inducing effects Vinothkumar et al., (2012); anti-ulcerogenic effects de Carvalho et al. (2014); Binding affinity to SARS-CoV-2 RBD of S-glycoprotein Kulkarni et al. (2021); activate peroxisome proliferator-activated receptor (PPAR) alpha and gamma Katsukawa et al. (2011) | Vinothkumar et al. (2012), de Carvalho et al. (2014), Kulkarni et al. (2021), Katsukawa et al. (2011) | $\alpha$ -humulene | — | — | Limonene | Anti-tumorigenesis | — | Linalool | Analgesic | — | Myrcene | Analgesic | — | (E)- $\beta$ -ocimene | — | — | $\alpha$ -phelandrene | — | — | $\alpha$ -pinene | — | — | Sabinene | — | — | Spathulenol | Dnti-nociceptive effects | Dos Santos et al. (2020) | $\gamma$ -terpinene | — | — | <b>TABLE 5</b><br>Chemicals compounds in the four essential oils with anti-inflammatory effects and binding affinity with SARS-CoV-2. |  |
| Chemical constituents with anti-inflammatory effect   | Effects other than anti-inflammation   | References  |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Borneol   | Anti-viral (HSV-1 virus)   | Armaka et al. (1999)  |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| $\beta$ -caryophyllene  | Facilitate regeneration, enhance cell proliferation/migration; analgesic   | Koyama et al. (2019)  |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| 1,8-cineole (eucalyptol)  | —  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Citronellol   | Activate peroxisome proliferator-activated receptor (PPAR) alpha and gamma   | Katsukawa et al. (2011)   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| p-cymene  | —  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Eugenol   | —  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Eugenyl acetate   | —  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
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| $\alpha$ -humulene  | —  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Limonene  | Anti-tumorigenesis   | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Linalool  | Analgesic  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Myrcene   | Analgesic  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| (E)- $\beta$ -ocimene   | —  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| $\alpha$ -phelandrene   | —  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| $\alpha$ -pinene  | —  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Sabinene  | —  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| Spathulenol   | Dnti-nociceptive effects   | Dos Santos et al. (2020)  |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |
| $\gamma$ -terpinene   | —  | —   |  |   |                                      |                             |                                    |                            |   |                        |  |  |                          |                     |  |   |  |  |  |   |   |         |   |   |                 |   |   |          |  |   |                    |   |   |          |                    |   |          |           |   |         |           |   |                       |   |   |                       |   |   |                  |   |   |          |   |   |             |                          |                          |                     |   |   |   |  |

| URL   | Title   | Table Link  | Table Pic (top)   | Table Header  | Table footer              |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
|---|---|---|---|---|---------------------------|---------------------------|---------------------------|------|---------------|------------------|---|-------------------------------|------|-----------------------------------|------------|-----|---------------------------------|------------------------|------------------|----------------------------------|------|--------------------------|-------------------------------------|---------------------------|---------------------------|---|----------|------|---------------------------------|------------------------|------|---|-------|----|--------------------|------------------------|-------|--|------|------------|---|------------------------|------------------|-----------------------------------|-------------------------|--------------------------|---|------------------------|-------|---|----------|------|----------------|----------------------|----------|---|------|------|--|-------------|-------|--|-------|--------------------------|-----------------------------------|-----------|----------|--|------|--------------|------------------------|---|------|----|---------|------|--------------------------|--------------------------------|------|---|------|----|--------------------------------|------------|-------------|--|-------|------|---|-----------------------|------|--|------|----|---------------------------|---------------------|------|--|------|-----------|--|--------------------------|-------|---|-----------------|------|----------------------|---------------------|-------|--|-------|----|------------|------------|--------------------|--|------|------|---------------------|------------|-------|--|------|----|-------------------------|------------|-------|--|------|---------------------|--|----------------------------------|-------|--|-----------------|-------|--------------------------|------------|-------|--|-------|----|---------------------------|-----------------------|-------------------|--|------|----|--|-----------------------|-------|--|------|----|--|------------|-------|--|------|--------------------|------------------------------|------------|-------|--|--------------------|-------|--|-----------------------|-------|--|------|----|--------------------------------------|---------------------|---------------------|--|------|------|-------------------------------|---------------------|-------|--|-------|----|---|---------------------|-------|--|------|---------------------------------|--|---------------------|-------|---|-------------------------------|-------|---------------|---|----|---------|-------|----|---|--------------------|-------------------|--|------|----|--|---------------------|-------|---|------|----|---------------------|--------------|------|---|------|----------------------------|------------|---------------------|------|---|----------|-------|---|-------------------|------|--|-------|------|-------------------------------|----------------------|--------|--|------|--|--|--|--|--|--|----|---|---------------|------|---|------|----|--|------------|------|---|------|----|--|-----------------|-------|--|------|----|---------------|------------|-------|---|------|----|---------------------------------------|--------------------------------|-------|--|------|--|----------|--|--|--|--|----|-----------------------------------|---------|-------|-----------------------------------|------|----|--------------------|------------------|-------|--|------|---|--|
| <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9213120/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9213120/</a> | Determination of Volatile Compounds of <i>Mentha piperita</i> and <i>Lavandula multifida</i> and Investigation of Their Antibacterial, Antioxidant, and Antidiabetic Properties.                      | <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9213120/table/tab1/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9213120/table/tab1/</a>                                       | <b>Table 1</b><br>Chemical composition of MPEO and LMEO.<br><table border="1"><thead><tr><th>Number</th><th>Compounds</th><th>RT</th><th>MPEO</th><th>LMEO</th></tr></thead><tbody><tr><td>1</td><td><math>\alpha</math>-Pinene</td><td>2.07</td><td>0.41</td><td>0.30</td></tr><tr><td>2</td><td>Camphepane</td><td>2.2</td><td>0.03</td><td>0.74</td></tr><tr><td>3</td><td><math>\beta</math>-Terpinene</td><td>2.72</td><td>0.95</td><td>2.98</td></tr><tr><td>4</td><td>2,3-Dehydro-1,8-cineole</td><td>3.01</td><td>—</td><td>0.16</td></tr><tr><td>5</td><td><math>\alpha</math>-Phellandrene</td><td>3.12</td><td>0.06</td><td>0.34</td></tr><tr><td>6</td><td>3-Carene</td><td>3.4</td><td>—</td><td>1.86</td></tr><tr><td>7</td><td>Eucalyptol</td><td>3.918</td><td>6.75</td><td>28.11</td></tr><tr><td>8</td><td>Trans-<math>\beta</math>-ocimene</td><td>4.31</td><td>—</td><td>4.93</td></tr><tr><td>9</td><td>Terpinen-4-ol</td><td>4.69</td><td>0.27</td><td>3.0</td></tr><tr><td>10</td><td>Linalool</td><td>6.08</td><td>0.23</td><td>2.89</td></tr><tr><td>11</td><td>2-Bornanone</td><td>6.71</td><td>—</td><td>11.57</td></tr><tr><td>12</td><td>Menthone</td><td>7.15</td><td>29.24</td><td>—</td></tr><tr><td>13</td><td>Endo-borneol</td><td>7.2</td><td>—</td><td>7.82</td></tr><tr><td>14</td><td>Menthol</td><td>7.35</td><td>2.71</td><td>1.90</td></tr><tr><td>15</td><td>Terpinen-4-ol</td><td>7.46</td><td>—</td><td>7.65</td></tr><tr><td>16</td><td>Levomenthol</td><td>8.22</td><td>38.73</td><td>3.26</td></tr><tr><td>17</td><td>Caren-2-ol</td><td>8.89</td><td>0.15</td><td>3.24</td></tr><tr><td>18</td><td>Pulegone</td><td>9.09</td><td>1.07</td><td>—</td></tr><tr><td>119</td><td>D-Carvone</td><td>9.21</td><td>0.11</td><td>0.15</td></tr><tr><td>20</td><td>Linalyl acetate</td><td>9.77</td><td>—</td><td>5.22</td></tr><tr><td>21</td><td>Bornyl acetate</td><td>10.15</td><td>—</td><td>0.07</td></tr><tr><td>22</td><td>Lavandulyl acetate</td><td>10.67</td><td>—</td><td>1.35</td></tr><tr><td>23</td><td>Elemene</td><td>11.52</td><td>0.11</td><td>—</td></tr><tr><td>24</td><td><math>\alpha</math>-Copaene</td><td>12.07</td><td>0.20</td><td>—</td></tr><tr><td>25</td><td><math>\beta</math>-Bourbonene</td><td>12.89</td><td>0.38</td><td>—</td></tr><tr><td>26</td><td>Geranyl acetate</td><td>13.50</td><td>—</td><td>0.35</td></tr><tr><td>27</td><td>Caryophyllene</td><td>13.71</td><td>—</td><td>1.45</td></tr><tr><td>28</td><td><math>\beta</math>-Copapene</td><td>13.98</td><td>0.20</td><td>—</td></tr><tr><td>29</td><td>Germacrene D</td><td>14.28</td><td>0.24</td><td>0.15</td></tr><tr><td>30</td><td><math>\alpha</math>-Bergamotene</td><td>14.32</td><td>—</td><td>0.18</td></tr><tr><td>31</td><td><math>\beta</math>-Farnesene</td><td>14.91</td><td>0.16</td><td>4.91</td></tr><tr><td>32</td><td><math>\gamma</math>-Murolene</td><td>14.98</td><td>0.39</td><td>—</td></tr><tr><td>33</td><td>Lavandulyl butyrate</td><td>15.3</td><td>—</td><td>1.02</td></tr><tr><td>34</td><td><math>\beta</math>-Bisabolene</td><td>15.6</td><td>—</td><td>0.14</td></tr><tr><td>35</td><td><math>\alpha</math>-Curcumene</td><td>15.99</td><td>0.86</td><td>—</td></tr><tr><td>36</td><td>Caryophyllene oxide</td><td>16.06</td><td>3.42</td><td>0.22</td></tr><tr><td>37</td><td>(+)-<math>\beta</math>-Himachalene oxide</td><td>16.9</td><td>0.06</td><td>—</td></tr><tr><td>38</td><td>Caryophylla-4(12),8(13)-dien-</td><td>17.20</td><td>0.13</td><td>—</td></tr><tr><td>39</td><td>Cadinol</td><td>17.31</td><td>—</td><td>0.21</td></tr><tr><td>40</td><td>Alloaromadendrene</td><td>17.35</td><td>0.17</td><td>—</td></tr><tr><td>41</td><td>Aromadendrene oxide</td><td>17.44</td><td>0.14</td><td>—</td></tr><tr><td>42</td><td><math>\alpha</math>-Bisabolol</td><td>17.91</td><td>—</td><td>0.53</td></tr><tr><td>43</td><td>p-Menth-8-en-3-ol, acetate</td><td>18.03</td><td>0.07</td><td>—</td></tr><tr><td>44</td><td>Culmorin</td><td>18.69</td><td>0.41</td><td>—</td></tr><tr><td></td><td>Total</td><td>96.04</td><td>97.7</td><td></td></tr><tr><td></td><td>Others</td><td>3.96</td><td>2.3</td><td></td></tr></tbody></table>  | Number  | Compounds                 | RT                        | MPEO                      | LMEO | 1             | $\alpha$ -Pinene | 2.07  | 0.41                          | 0.30 | 2                                 | Camphepane | 2.2 | 0.03                            | 0.74                   | 3                | $\beta$ -Terpinene               | 2.72 | 0.95                     | 2.98                                | 4                         | 2,3-Dehydro-1,8-cineole   | 3.01  | —        | 0.16 | 5                               | $\alpha$ -Phellandrene | 3.12 | 0.06  | 0.34  | 6  | 3-Carene           | 3.4                    | —     | 1.86   | 7    | Eucalyptol | 3.918   | 6.75                   | 28.11            | 8                                 | Trans- $\beta$ -ocimene | 4.31                     | —                                       | 4.93                   | 9     | Terpinen-4-ol                                   | 4.69     | 0.27 | 3.0            | 10                   | Linalool | 6.08  | 0.23 | 2.89 | 11                                       | 2-Bornanone | 6.71  | —  | 11.57 | 12                       | Menthone                          | 7.15      | 29.24    | —  | 13   | Endo-borneol | 7.2                    | — | 7.82 | 14 | Menthol | 7.35 | 2.71                     | 1.90                           | 15   | Terpinen-4-ol                                   | 7.46 | —  | 7.65                           | 16         | Levomenthol | 8.22   | 38.73 | 3.26 | 17  | Caren-2-ol            | 8.89 | 0.15   | 3.24 | 18 | Pulegone                  | 9.09                | 1.07 | —  | 119  | D-Carvone | 9.21   | 0.11                     | 0.15  | 20  | Linalyl acetate | 9.77 | —                    | 5.22                | 21    | Bornyl acetate                                 | 10.15 | —  | 0.07       | 22         | Lavandulyl acetate | 10.67  | —    | 1.35 | 23                  | Elemene    | 11.52 | 0.11   | —    | 24 | $\alpha$ -Copaene       | 12.07      | 0.20  | —  | 25   | $\beta$ -Bourbonene | 12.89  | 0.38                             | —     | 26   | Geranyl acetate | 13.50 | —                        | 0.35       | 27    | Caryophyllene                                  | 13.71 | —  | 1.45                      | 28                    | $\beta$ -Copapene | 13.98  | 0.20 | —  | 29   | Germacrene D          | 14.28 | 0.24   | 0.15 | 30 | $\alpha$ -Bergamotene                    | 14.32      | —     | 0.18   | 31   | $\beta$ -Farnesene | 14.91                        | 0.16       | 4.91  | 32   | $\gamma$ -Murolene | 14.98 | 0.39   | —                     | 33    | Lavandulyl butyrate                            | 15.3 | —  | 1.02                                 | 34                  | $\beta$ -Bisabolene | 15.6   | —    | 0.14 | 35                            | $\alpha$ -Curcumene | 15.99 | 0.86   | —     | 36 | Caryophyllene oxide                               | 16.06               | 3.42  | 0.22   | 37   | (+)- $\beta$ -Himachalene oxide | 16.9   | 0.06                | —     | 38  | Caryophylla-4(12),8(13)-dien- | 17.20 | 0.13          | — | 39 | Cadinol | 17.31 | —  | 0.21  | 40                 | Alloaromadendrene | 17.35  | 0.17 | —  | 41   | Aromadendrene oxide | 17.44 | 0.14  | —    | 42 | $\alpha$ -Bisabolol | 17.91        | —    | 0.53  | 43   | p-Menth-8-en-3-ol, acetate | 18.03      | 0.07                | —    | 44  | Culmorin | 18.69 | 0.41  | —                 |      | Total  | 96.04 | 97.7 |                               |                      | Others | 3.96   | 2.3  |  | <b>Table 1</b><br>Chemical composition of MPEO and LMEO. |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| Number  | Compounds   | RT  | MPEO  | LMEO  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 1   | $\alpha$ -Pinene  | 2.07  | 0.41  | 0.30  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 2   | Camphepane  | 2.2   | 0.03  | 0.74  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 3   | $\beta$ -Terpinene  | 2.72  | 0.95  | 2.98  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 4   | 2,3-Dehydro-1,8-cineole   | 3.01  | —   | 0.16  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 5   | $\alpha$ -Phellandrene  | 3.12  | 0.06  | 0.34  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 6   | 3-Carene  | 3.4   | —   | 1.86  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 7   | Eucalyptol  | 3.918   | 6.75  | 28.11   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 8   | Trans- $\beta$ -ocimene   | 4.31  | —   | 4.93  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 9   | Terpinen-4-ol   | 4.69  | 0.27  | 3.0   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 10  | Linalool  | 6.08  | 0.23  | 2.89  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 11  | 2-Bornanone   | 6.71  | —   | 11.57   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 12  | Menthone  | 7.15  | 29.24   | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 13  | Endo-borneol  | 7.2   | —   | 7.82  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 14  | Menthol   | 7.35  | 2.71  | 1.90  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 15  | Terpinen-4-ol   | 7.46  | —   | 7.65  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 16  | Levomenthol   | 8.22  | 38.73   | 3.26  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 17  | Caren-2-ol  | 8.89  | 0.15  | 3.24  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 18  | Pulegone  | 9.09  | 1.07  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 119   | D-Carvone   | 9.21  | 0.11  | 0.15  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 20  | Linalyl acetate   | 9.77  | —   | 5.22  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 21  | Bornyl acetate  | 10.15   | —   | 0.07  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 22  | Lavandulyl acetate  | 10.67   | —   | 1.35  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 23  | Elemene   | 11.52   | 0.11  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 24  | $\alpha$ -Copaene   | 12.07   | 0.20  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 25  | $\beta$ -Bourbonene   | 12.89   | 0.38  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 26  | Geranyl acetate   | 13.50   | —   | 0.35  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 27  | Caryophyllene   | 13.71   | —   | 1.45  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 28  | $\beta$ -Copapene   | 13.98   | 0.20  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 29  | Germacrene D  | 14.28   | 0.24  | 0.15  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 30  | $\alpha$ -Bergamotene   | 14.32   | —   | 0.18  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 31  | $\beta$ -Farnesene  | 14.91   | 0.16  | 4.91  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 32  | $\gamma$ -Murolene  | 14.98   | 0.39  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 33  | Lavandulyl butyrate   | 15.3  | —   | 1.02  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 34  | $\beta$ -Bisabolene   | 15.6  | —   | 0.14  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 35  | $\alpha$ -Curcumene   | 15.99   | 0.86  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 36  | Caryophyllene oxide   | 16.06   | 3.42  | 0.22  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 37  | (+)- $\beta$ -Himachalene oxide   | 16.9  | 0.06  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 38  | Caryophylla-4(12),8(13)-dien-   | 17.20   | 0.13  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 39  | Cadinol   | 17.31   | —   | 0.21  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 40  | Alloaromadendrene   | 17.35   | 0.17  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 41  | Aromadendrene oxide   | 17.44   | 0.14  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 42  | $\alpha$ -Bisabolol   | 17.91   | —   | 0.53  |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 43  | p-Menth-8-en-3-ol, acetate  | 18.03   | 0.07  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 44  | Culmorin  | 18.69   | 0.41  | —   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
|   | Total   | 96.04   | 97.7  |   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
|   | Others  | 3.96  | 2.3   |   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9147116/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9147116/</a> | Investigation and Biological Assessment of <i>Rumex vesicarius</i> L. Extract: Characterization of the Chemical Components and Antioxidant, Antimicrobial, Cytotoxic, and Anti-Dengue Vector Activity | <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9147116/table/molecules-27-03177-t001/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9147116/table/molecules-27-03177-t001/</a> | <b>Table 1</b><br>The characterized chemical components isolated from the extracted shoots of <i>Rumex vesicarius</i> .<br><table border="1"><thead><tr><th>Entry</th><th>Chemical Name</th><th>Classification</th><th>Rt</th><th>MF</th><th>Composition %</th></tr></thead><tbody><tr><td>1</td><td>(Z)-2-Ethylidene-1,5-dimethyl-3,3-diphenylpropanide</td><td>Aryl substituted cyclic amine</td><td>4.21</td><td>C<sub>29</sub>H<sub>32</sub>N</td><td>0.92</td></tr><tr><td>2</td><td>3-(2-Oxocyclohexyl)propanitrile</td><td>Oxygenated hydrocarbon</td><td>5.54</td><td>C<sub>9</sub>H<sub>13</sub>N</td><td>0.41</td></tr><tr><td>3</td><td>Ethyl 2-hydroxyoctane-1-carboxylate</td><td>Oxygenated hydrocarbon</td><td>9.22</td><td>C<sub>9</sub>H<sub>15</sub>O<sub>3</sub></td><td>18.96</td></tr><tr><td>4</td><td>2-Propyltetrahydro-2H-pyan-3-ol</td><td>Oxygenated hydrocarbon</td><td>9.38</td><td>C<sub>9</sub>H<sub>15</sub>O<sub>2</sub></td><td>11.18</td></tr><tr><td>5</td><td>Ascaridole epoxide</td><td>Oxygenated hydrocarbon</td><td>12.99</td><td>C<sub>10</sub>H<sub>16</sub>O<sub>3</sub></td><td>0.67</td></tr><tr><td>6</td><td>3,5-Heptadienyl, 2-ethyldiene-6-methyl-“2,(2,3,6,2-ethyldiene-6-methylhepta-3,5-dienyl”</td><td>Oxygenated hydrocarbon</td><td>13.07</td><td>C<sub>10</sub>H<sub>16</sub>O</td><td>0.28</td></tr><tr><td>7</td><td>1,25-Dihydroxytiamin D3, TMS derivative</td><td>Oxygenated hydrocarbon</td><td>34.16</td><td>C<sub>30</sub>H<sub>52</sub>O<sub>25</sub></td><td>0.20</td></tr><tr><td>8</td><td>Deoxyperguanil</td><td>Polyamine spermidine</td><td>8.74</td><td>C<sub>17</sub>H<sub>21</sub>N<sub>7</sub>O<sub>3</sub></td><td>0.36</td></tr><tr><td>9</td><td>Methyl 2,2,3,3,4,4,4-heptafluorobutanate</td><td>Ester</td><td>12.87</td><td>C<sub>5</sub>H<sub>12</sub>F<sub>7</sub>O<sub>2</sub></td><td>0.20</td></tr><tr><td>10</td><td>Tetracyclo-<math>\alpha</math>-xylonitrile</td><td>Polyester</td><td>14.63</td><td>C<sub>14</sub>H<sub>17</sub>N<sub>3</sub>O</td><td>0.41</td></tr><tr><td></td><td>Fatty Acids and Lipids</td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td>High oleic safflower oil</td><td>Vegetable oil “80% oleic acid”</td><td>4.45</td><td>C<sub>21</sub>H<sub>32</sub>O<sub>11</sub></td><td>2.93</td></tr><tr><td>12</td><td>Methyl octadeca-8,11-dioenoate</td><td>Fatty acid</td><td>6.13</td><td>C<sub>19</sub>H<sub>30</sub>O<sub>2</sub></td><td>3.82</td></tr><tr><td>13</td><td>(2-Phenyl-1,3-dioxolan-4-yl)methyl oleate</td><td>Fatty-acid derivative</td><td>7.40</td><td>C<sub>21</sub>H<sub>32</sub>O<sub>4</sub></td><td>5.75</td></tr><tr><td>14</td><td>bis(Z-Ethylhexyl) adipate</td><td>Ester of fatty acid</td><td>7.94</td><td>C<sub>22</sub>H<sub>42</sub>O<sub>4</sub></td><td>0.80</td></tr><tr><td>15</td><td><math>\alpha</math>-Lyxo-d-o-manno-nononic-1,4-lactone</td><td>Lactone of trinotic acid</td><td>11.31</td><td>C<sub>9</sub>H<sub>15</sub>O<sub>9</sub></td><td>0.56</td></tr><tr><td>16</td><td>tert-butyl palmitate</td><td>Ester of fatty acid</td><td>14.52</td><td>C<sub>20</sub>H<sub>40</sub>O<sub>2</sub></td><td>0.26</td></tr><tr><td>17</td><td>Oleic acid</td><td>Fatty acid</td><td>14.67</td><td>C<sub>18</sub>H<sub>34</sub>O<sub>2</sub></td><td>0.57</td></tr><tr><td>18</td><td>9-Hexadecenoic acid</td><td>Fatty acid</td><td>15.20</td><td>C<sub>16</sub>H<sub>32</sub>O<sub>2</sub></td><td>0.17</td></tr><tr><td>19</td><td>trans-2-Dodecanoic acid</td><td>Fatty acid</td><td>15.52</td><td>C<sub>12</sub>H<sub>22</sub>O<sub>2</sub></td><td>0.24</td></tr><tr><td>20</td><td>2-Hydroxypropane-1,3-diy (9E,9S)-bis{octadec-9-enoate}</td><td>Diester derivative of fatty acid</td><td>16.64</td><td>C<sub>39</sub>H<sub>72</sub>O<sub>5</sub></td><td>0.93</td></tr><tr><td>21</td><td>(E)-Octadec-13-enic acid</td><td>Fatty acid</td><td>17.13</td><td>C<sub>18</sub>H<sub>34</sub>O<sub>2</sub></td><td>2.74</td></tr><tr><td>22</td><td>2-Bromotetradecanoic acid</td><td>Fatty-acid derivative</td><td>19.89</td><td>C<sub>14</sub>H<sub>28</sub>O<sub>2</sub></td><td>1.45</td></tr><tr><td>23</td><td>[1,1'-Bicyclopropyl]-2-octanoic acid, Z-hexyl-, methyl ester</td><td>Fatty-acid derivative</td><td>19.96</td><td>C<sub>21</sub>H<sub>30</sub>O<sub>2</sub></td><td>0.90</td></tr><tr><td>24</td><td>8-(2(R,3S)-3-Octoxiran-2-yloctanoic acid</td><td>Fatty acid</td><td>21.41</td><td>C<sub>18</sub>H<sub>32</sub>O<sub>3</sub></td><td>1.09</td></tr><tr><td>25</td><td>2,3-Dihydroxypropyl stearate</td><td>Fatty acid</td><td>21.69</td><td>C<sub>21</sub>H<sub>42</sub>O<sub>4</sub></td><td>1.23</td></tr><tr><td>26</td><td>Methyl 5-(1R,2R)-2-undecylcyclopropylpentanate</td><td>Fatty-acid derivative</td><td>25.88</td><td>C<sub>20</sub>H<sub>38</sub>O<sub>2</sub></td><td>4.50</td></tr><tr><td>27</td><td>2-Hydroxypropane-1,3-diy dipalmitate</td><td>Ester of fatty acid</td><td>28.31</td><td>C<sub>35</sub>H<sub>68</sub>O<sub>5</sub></td><td>2.87</td></tr><tr><td>28</td><td>1,3-Dihydroxyprop-2-yl oleate</td><td>Ester of fatty acid</td><td>29.18</td><td>C<sub>21</sub>H<sub>40</sub>O<sub>4</sub></td><td>17.56</td></tr><tr><td>29</td><td>Methyl 11-(2(Z,3R)-3-pentylciran-2-yl)undecanoate</td><td>Ester of fatty acid</td><td>29.70</td><td>C<sub>19</sub>H<sub>36</sub>O<sub>3</sub></td><td>1.75</td></tr><tr><td>30</td><td>9-Octadecenoic acid,1,2,3-propenyl ester, (E,E)-</td><td>Ester of fatty acid</td><td>31.35</td><td>C<sub>7</sub>H<sub>14</sub>O<sub>6</sub></td><td>1.23</td></tr><tr><td></td><td>Carbohydrates</td><td></td><td></td><td></td><td></td></tr><tr><td>31</td><td>D-Gala-L-ido-octonic amide “2,3,4,5,6,7,8-heptahydroxycanamide”</td><td>Carbohydrate amide</td><td>6.50</td><td>C<sub>9</sub>H<sub>17</sub>N<sub>3</sub>O<sub>8</sub></td><td>0.26</td></tr><tr><td>32</td><td>Desulfosugrin “1-S-(1E)-N-Hydroxy-3-buteneimidoyl-1-thioglycoside”</td><td>Glycoside</td><td>6.64</td><td>C<sub>10</sub>H<sub>17</sub>NO<sub>5</sub>S</td><td>0.27</td></tr><tr><td>33</td><td>L-Gala-L-ido-octose</td><td>Carbohydrate</td><td>6.85</td><td>C<sub>9</sub>H<sub>16</sub>O<sub>8</sub></td><td>1.09</td></tr><tr><td>34</td><td>Melezitose</td><td>Trisaccharide sugar</td><td>8.79</td><td>C<sub>18</sub>H<sub>32</sub>O<sub>16</sub></td><td>0.34</td></tr><tr><td>35</td><td><math>\alpha</math>-Ribo-hexos-3-ulose “2(S,4R,5R)-2,4,5,6-tetrahydroxy-3-oxohexanal”</td><td>Disaccharid sugar</td><td>9.84</td><td>C<sub>9</sub>H<sub>17</sub>NO<sub>6</sub></td><td>0.30</td></tr><tr><td>36</td><td>2,3-Dihydroxypropyl palmitate</td><td>1-Monosacrylglycerol</td><td>4.89</td><td>C<sub>19</sub>H<sub>38</sub>O<sub>4</sub></td><td>3.80</td></tr><tr><td></td><td>Amines</td><td></td><td></td><td></td><td></td></tr><tr><td>37</td><td>N<sub>2</sub>,N<sub>4</sub>-Diisopropyl-4-(methylsulfonyl)-1,3-triazine-2,4-diamine</td><td>Hetraly amine</td><td>4.14</td><td>C<sub>10</sub>H<sub>19</sub>N<sub>5</sub>O<sub>2</sub>S</td><td>2.44</td></tr><tr><td>38</td><td>(E)-2-(Chloromino)-3-methylbutanoyl-<math>\zeta</math>-valine</td><td>Amino acid</td><td>4.94</td><td>C<sub>10</sub>H<sub>17</sub>ClNO<sub>3</sub></td><td>3.84</td></tr><tr><td>39</td><td>S-(2-Aminomethyl)-O-hydrogen sulfoximate</td><td>Amino-thioester</td><td>11.39</td><td>C<sub>2</sub>H<sub>5</sub>NO<sub>2</sub>S<sub>2</sub></td><td>0.59</td></tr><tr><td>40</td><td>Glutamic acid</td><td>Amino acid</td><td>11.46</td><td>C<sub>5</sub>H<sub>9</sub>NO<sub>4</sub></td><td>0.34</td></tr><tr><td>41</td><td>Methyl N-acetyl-<math>\beta</math>-glucosamide</td><td>N-Acetyl-<math>\beta</math>-glucosamine</td><td>10.35</td><td>C<sub>9</sub>H<sub>17</sub>NO<sub>6</sub></td><td>0.14</td></tr><tr><td></td><td>Steroids</td><td></td><td></td><td></td><td></td></tr><tr><td>42</td><td>Estra-1,3(5)-trien-17<math>\beta</math>-ol</td><td>Steroid</td><td>20.54</td><td>C<sub>18</sub>H<sub>24</sub>O</td><td>0.34</td></tr><tr><td>43</td><td>Phthalic anhydride</td><td>Cyclic anhydride</td><td>24.04</td><td>C<sub>8</sub>H<sub>6</sub>O<sub>4</sub></td><td>0.87</td></tr></tbody></table> | Entry   | Chemical Name             | Classification            | Rt                        | MF   | Composition % | 1                | (Z)-2-Ethylidene-1,5-dimethyl-3,3-diphenylpropanide | Aryl substituted cyclic amine | 4.21 | C <sub>29</sub> H <sub>32</sub> N | 0.92       | 2   | 3-(2-Oxocyclohexyl)propanitrile | Oxygenated hydrocarbon | 5.54             | C <sub>9</sub> H <sub>13</sub> N | 0.41 | 3                        | Ethyl 2-hydroxyoctane-1-carboxylate | Oxygenated hydrocarbon    | 9.22                      | C <sub>9</sub> H <sub>15</sub> O <sub>3</sub> | 18.96    | 4    | 2-Propyltetrahydro-2H-pyan-3-ol | Oxygenated hydrocarbon | 9.38 | C <sub>9</sub> H <sub>15</sub> O <sub>2</sub> | 11.18 | 5  | Ascaridole epoxide | Oxygenated hydrocarbon | 12.99 | C <sub>10</sub> H <sub>16</sub> O <sub>3</sub> | 0.67 | 6          | 3,5-Heptadienyl, 2-ethyldiene-6-methyl-“2,(2,3,6,2-ethyldiene-6-methylhepta-3,5-dienyl” | Oxygenated hydrocarbon | 13.07            | C <sub>10</sub> H <sub>16</sub> O | 0.28                    | 7                        | 1,25-Dihydroxytiamin D3, TMS derivative | Oxygenated hydrocarbon | 34.16 | C <sub>30</sub> H <sub>52</sub> O <sub>25</sub> | 0.20     | 8    | Deoxyperguanil | Polyamine spermidine | 8.74     | C <sub>17</sub> H <sub>21</sub> N <sub>7</sub> O <sub>3</sub> | 0.36 | 9    | Methyl 2,2,3,3,4,4,4-heptafluorobutanate | Ester       | 12.87 | C <sub>5</sub> H <sub>12</sub> F <sub>7</sub> O <sub>2</sub> | 0.20  | 10                       | Tetracyclo- $\alpha$ -xylonitrile | Polyester | 14.63    | C <sub>14</sub> H <sub>17</sub> N <sub>3</sub> O | 0.41 |              | Fatty Acids and Lipids |   |      |    |         | 11   | High oleic safflower oil | Vegetable oil “80% oleic acid” | 4.45 | C <sub>21</sub> H <sub>32</sub> O <sub>11</sub> | 2.93 | 12 | Methyl octadeca-8,11-dioenoate | Fatty acid | 6.13        | C <sub>19</sub> H <sub>30</sub> O <sub>2</sub> | 3.82  | 13   | (2-Phenyl-1,3-dioxolan-4-yl)methyl oleate | Fatty-acid derivative | 7.40 | C <sub>21</sub> H <sub>32</sub> O <sub>4</sub> | 5.75 | 14 | bis(Z-Ethylhexyl) adipate | Ester of fatty acid | 7.94 | C <sub>22</sub> H <sub>42</sub> O <sub>4</sub> | 0.80 | 15        | $\alpha$ -Lyxo-d-o-manno-nononic-1,4-lactone | Lactone of trinotic acid | 11.31 | C <sub>9</sub> H <sub>15</sub> O <sub>9</sub> | 0.56            | 16   | tert-butyl palmitate | Ester of fatty acid | 14.52 | C <sub>20</sub> H <sub>40</sub> O <sub>2</sub> | 0.26  | 17 | Oleic acid | Fatty acid | 14.67              | C <sub>18</sub> H <sub>34</sub> O <sub>2</sub> | 0.57 | 18   | 9-Hexadecenoic acid | Fatty acid | 15.20 | C <sub>16</sub> H <sub>32</sub> O <sub>2</sub> | 0.17 | 19 | trans-2-Dodecanoic acid | Fatty acid | 15.52 | C <sub>12</sub> H <sub>22</sub> O <sub>2</sub> | 0.24 | 20                  | 2-Hydroxypropane-1,3-diy (9E,9S)-bis{octadec-9-enoate} | Diester derivative of fatty acid | 16.64 | C <sub>39</sub> H <sub>72</sub> O <sub>5</sub> | 0.93            | 21    | (E)-Octadec-13-enic acid | Fatty acid | 17.13 | C <sub>18</sub> H <sub>34</sub> O <sub>2</sub> | 2.74  | 22 | 2-Bromotetradecanoic acid | Fatty-acid derivative | 19.89             | C <sub>14</sub> H <sub>28</sub> O <sub>2</sub> | 1.45 | 23 | [1,1'-Bicyclopropyl]-2-octanoic acid, Z-hexyl-, methyl ester | Fatty-acid derivative | 19.96 | C <sub>21</sub> H <sub>30</sub> O <sub>2</sub> | 0.90 | 24 | 8-(2(R,3S)-3-Octoxiran-2-yloctanoic acid | Fatty acid | 21.41 | C <sub>18</sub> H <sub>32</sub> O <sub>3</sub> | 1.09 | 25                 | 2,3-Dihydroxypropyl stearate | Fatty acid | 21.69 | C <sub>21</sub> H <sub>42</sub> O <sub>4</sub> | 1.23               | 26    | Methyl 5-(1R,2R)-2-undecylcyclopropylpentanate | Fatty-acid derivative | 25.88 | C <sub>20</sub> H <sub>38</sub> O <sub>2</sub> | 4.50 | 27 | 2-Hydroxypropane-1,3-diy dipalmitate | Ester of fatty acid | 28.31               | C <sub>35</sub> H <sub>68</sub> O <sub>5</sub> | 2.87 | 28   | 1,3-Dihydroxyprop-2-yl oleate | Ester of fatty acid | 29.18 | C <sub>21</sub> H <sub>40</sub> O <sub>4</sub> | 17.56 | 29 | Methyl 11-(2(Z,3R)-3-pentylciran-2-yl)undecanoate | Ester of fatty acid | 29.70 | C <sub>19</sub> H <sub>36</sub> O <sub>3</sub> | 1.75 | 30                              | 9-Octadecenoic acid,1,2,3-propenyl ester, (E,E)- | Ester of fatty acid | 31.35 | C <sub>7</sub> H <sub>14</sub> O <sub>6</sub> | 1.23                          |       | Carbohydrates |   |    |         |       | 31 | D-Gala-L-ido-octonic amide “2,3,4,5,6,7,8-heptahydroxycanamide” | Carbohydrate amide | 6.50              | C <sub>9</sub> H <sub>17</sub> N <sub>3</sub> O <sub>8</sub> | 0.26 | 32 | Desulfosugrin “1-S-(1E)-N-Hydroxy-3-buteneimidoyl-1-thioglycoside” | Glycoside           | 6.64  | C <sub>10</sub> H <sub>17</sub> NO <sub>5</sub> S | 0.27 | 33 | L-Gala-L-ido-octose | Carbohydrate | 6.85 | C <sub>9</sub> H <sub>16</sub> O <sub>8</sub> | 1.09 | 34                         | Melezitose | Trisaccharide sugar | 8.79 | C <sub>18</sub> H <sub>32</sub> O <sub>16</sub> | 0.34     | 35    | $\alpha$ -Ribo-hexos-3-ulose “2(S,4R,5R)-2,4,5,6-tetrahydroxy-3-oxohexanal” | Disaccharid sugar | 9.84 | C <sub>9</sub> H <sub>17</sub> NO <sub>6</sub> | 0.30  | 36   | 2,3-Dihydroxypropyl palmitate | 1-Monosacrylglycerol | 4.89   | C <sub>19</sub> H <sub>38</sub> O <sub>4</sub> | 3.80 |  | Amines   |  |  |  |  | 37 | N <sub>2</sub> ,N <sub>4</sub> -Diisopropyl-4-(methylsulfonyl)-1,3-triazine-2,4-diamine | Hetraly amine | 4.14 | C <sub>10</sub> H <sub>19</sub> N <sub>5</sub> O <sub>2</sub> S | 2.44 | 38 | (E)-2-(Chloromino)-3-methylbutanoyl- $\zeta$ -valine | Amino acid | 4.94 | C <sub>10</sub> H <sub>17</sub> ClNO <sub>3</sub> | 3.84 | 39 | S-(2-Aminomethyl)-O-hydrogen sulfoximate | Amino-thioester | 11.39 | C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> S <sub>2</sub> | 0.59 | 40 | Glutamic acid | Amino acid | 11.46 | C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub> | 0.34 | 41 | Methyl N-acetyl- $\beta$ -glucosamide | N-Acetyl- $\beta$ -glucosamine | 10.35 | C <sub>9</sub> H <sub>17</sub> NO <sub>6</sub> | 0.14 |  | Steroids |  |  |  |  | 42 | Estra-1,3(5)-trien-17 $\beta$ -ol | Steroid | 20.54 | C <sub>18</sub> H <sub>24</sub> O | 0.34 | 43 | Phthalic anhydride | Cyclic anhydride | 24.04 | C <sub>8</sub> H <sub>6</sub> O <sub>4</sub> | 0.87 | <b>Table 1</b><br>The characterized chemical components isolated from the extracted shoots of <i>Rumex vesicarius</i> . | RT: retention time, MF: molecular formula. |
| Entry   | Chemical Name   | Classification  | Rt  | MF  | Composition %             |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 1   | (Z)-2-Ethylidene-1,5-dimethyl-3,3-diphenylpropanide   | Aryl substituted cyclic amine   | 4.21  | C <sub>29</sub> H <sub>32</sub> N                               | 0.92                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 2   | 3-(2-Oxocyclohexyl)propanitrile   | Oxygenated hydrocarbon  | 5.54  | C <sub>9</sub> H <sub>13</sub> N                                | 0.41                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 3   | Ethyl 2-hydroxyoctane-1-carboxylate   | Oxygenated hydrocarbon  | 9.22  | C <sub>9</sub> H <sub>15</sub> O <sub>3</sub>                   | 18.96                     |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 4   | 2-Propyltetrahydro-2H-pyan-3-ol   | Oxygenated hydrocarbon  | 9.38  | C <sub>9</sub> H <sub>15</sub> O <sub>2</sub>                   | 11.18                     |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 5   | Ascaridole epoxide  | Oxygenated hydrocarbon  | 12.99   | C <sub>10</sub> H <sub>16</sub> O <sub>3</sub>                  | 0.67                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 6   | 3,5-Heptadienyl, 2-ethyldiene-6-methyl-“2,(2,3,6,2-ethyldiene-6-methylhepta-3,5-dienyl”   | Oxygenated hydrocarbon  | 13.07   | C <sub>10</sub> H <sub>16</sub> O                               | 0.28                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 7   | 1,25-Dihydroxytiamin D3, TMS derivative   | Oxygenated hydrocarbon  | 34.16   | C <sub>30</sub> H <sub>52</sub> O <sub>25</sub>                 | 0.20                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 8   | Deoxyperguanil  | Polyamine spermidine  | 8.74  | C <sub>17</sub> H <sub>21</sub> N <sub>7</sub> O <sub>3</sub>   | 0.36                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 9   | Methyl 2,2,3,3,4,4,4-heptafluorobutanate  | Ester   | 12.87   | C <sub>5</sub> H <sub>12</sub> F <sub>7</sub> O <sub>2</sub>    | 0.20                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 10  | Tetracyclo- $\alpha$ -xylonitrile   | Polyester   | 14.63   | C <sub>14</sub> H <sub>17</sub> N <sub>3</sub> O                | 0.41                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
|   | Fatty Acids and Lipids  |   |   |   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 11  | High oleic safflower oil  | Vegetable oil “80% oleic acid”  | 4.45  | C <sub>21</sub> H <sub>32</sub> O <sub>11</sub>                 | 2.93                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 12  | Methyl octadeca-8,11-dioenoate  | Fatty acid  | 6.13  | C <sub>19</sub> H <sub>30</sub> O <sub>2</sub>                  | 3.82                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 13  | (2-Phenyl-1,3-dioxolan-4-yl)methyl oleate   | Fatty-acid derivative   | 7.40  | C <sub>21</sub> H <sub>32</sub> O <sub>4</sub>                  | 5.75                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 14  | bis(Z-Ethylhexyl) adipate   | Ester of fatty acid   | 7.94  | C <sub>22</sub> H <sub>42</sub> O <sub>4</sub>                  | 0.80                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 15  | $\alpha$ -Lyxo-d-o-manno-nononic-1,4-lactone  | Lactone of trinotic acid  | 11.31   | C <sub>9</sub> H <sub>15</sub> O <sub>9</sub>                   | 0.56                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 16  | tert-butyl palmitate  | Ester of fatty acid   | 14.52   | C <sub>20</sub> H <sub>40</sub> O <sub>2</sub>                  | 0.26                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 17  | Oleic acid  | Fatty acid  | 14.67   | C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>                  | 0.57                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 18  | 9-Hexadecenoic acid   | Fatty acid  | 15.20   | C <sub>16</sub> H <sub>32</sub> O <sub>2</sub>                  | 0.17                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 19  | trans-2-Dodecanoic acid   | Fatty acid  | 15.52   | C <sub>12</sub> H <sub>22</sub> O <sub>2</sub>                  | 0.24                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 20  | 2-Hydroxypropane-1,3-diy (9E,9S)-bis{octadec-9-enoate}  | Diester derivative of fatty acid  | 16.64   | C <sub>39</sub> H <sub>72</sub> O <sub>5</sub>                  | 0.93                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 21  | (E)-Octadec-13-enic acid  | Fatty acid  | 17.13   | C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>                  | 2.74                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 22  | 2-Bromotetradecanoic acid   | Fatty-acid derivative   | 19.89   | C <sub>14</sub> H <sub>28</sub> O <sub>2</sub>                  | 1.45                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 23  | [1,1'-Bicyclopropyl]-2-octanoic acid, Z-hexyl-, methyl ester  | Fatty-acid derivative   | 19.96   | C <sub>21</sub> H <sub>30</sub> O <sub>2</sub>                  | 0.90                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 24  | 8-(2(R,3S)-3-Octoxiran-2-yloctanoic acid  | Fatty acid  | 21.41   | C <sub>18</sub> H <sub>32</sub> O <sub>3</sub>                  | 1.09                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 25  | 2,3-Dihydroxypropyl stearate  | Fatty acid  | 21.69   | C <sub>21</sub> H <sub>42</sub> O <sub>4</sub>                  | 1.23                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 26  | Methyl 5-(1R,2R)-2-undecylcyclopropylpentanate  | Fatty-acid derivative   | 25.88   | C <sub>20</sub> H <sub>38</sub> O <sub>2</sub>                  | 4.50                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 27  | 2-Hydroxypropane-1,3-diy dipalmitate  | Ester of fatty acid   | 28.31   | C <sub>35</sub> H <sub>68</sub> O <sub>5</sub>                  | 2.87                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 28  | 1,3-Dihydroxyprop-2-yl oleate   | Ester of fatty acid   | 29.18   | C <sub>21</sub> H <sub>40</sub> O <sub>4</sub>                  | 17.56                     |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 29  | Methyl 11-(2(Z,3R)-3-pentylciran-2-yl)undecanoate   | Ester of fatty acid   | 29.70   | C <sub>19</sub> H <sub>36</sub> O <sub>3</sub>                  | 1.75                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 30  | 9-Octadecenoic acid,1,2,3-propenyl ester, (E,E)-  | Ester of fatty acid   | 31.35   | C <sub>7</sub> H <sub>14</sub> O <sub>6</sub>                   | 1.23                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
|   | Carbohydrates   |   |   |   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 31  | D-Gala-L-ido-octonic amide “2,3,4,5,6,7,8-heptahydroxycanamide”   | Carbohydrate amide  | 6.50  | C <sub>9</sub> H <sub>17</sub> N <sub>3</sub> O <sub>8</sub>    | 0.26                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 32  | Desulfosugrin “1-S-(1E)-N-Hydroxy-3-buteneimidoyl-1-thioglycoside”  | Glycoside   | 6.64  | C <sub>10</sub> H <sub>17</sub> NO <sub>5</sub> S               | 0.27                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 33  | L-Gala-L-ido-octose   | Carbohydrate  | 6.85  | C <sub>9</sub> H <sub>16</sub> O <sub>8</sub>                   | 1.09                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 34  | Melezitose  | Trisaccharide sugar   | 8.79  | C <sub>18</sub> H <sub>32</sub> O <sub>16</sub>                 | 0.34                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 35  | $\alpha$ -Ribo-hexos-3-ulose “2(S,4R,5R)-2,4,5,6-tetrahydroxy-3-oxohexanal”   | Disaccharid sugar   | 9.84  | C <sub>9</sub> H <sub>17</sub> NO <sub>6</sub>                  | 0.30                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 36  | 2,3-Dihydroxypropyl palmitate   | 1-Monosacrylglycerol  | 4.89  | C <sub>19</sub> H <sub>38</sub> O <sub>4</sub>                  | 3.80                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
|   | Amines  |   |   |   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 37  | N <sub>2</sub> ,N <sub>4</sub> -Diisopropyl-4-(methylsulfonyl)-1,3-triazine-2,4-diamine   | Hetraly amine   | 4.14  | C <sub>10</sub> H <sub>19</sub> N <sub>5</sub> O <sub>2</sub> S | 2.44                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 38  | (E)-2-(Chloromino)-3-methylbutanoyl- $\zeta$ -valine  | Amino acid  | 4.94  | C <sub>10</sub> H <sub>17</sub> ClNO <sub>3</sub>               | 3.84                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 39  | S-(2-Aminomethyl)-O-hydrogen sulfoximate  | Amino-thioester   | 11.39   | C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> S <sub>2</sub>    | 0.59                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 40  | Glutamic acid   | Amino acid  | 11.46   | C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub>                   | 0.34                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 41  | Methyl N-acetyl- $\beta$ -glucosamide   | N-Acetyl- $\beta$ -glucosamine  | 10.35   | C <sub>9</sub> H <sub>17</sub> NO <sub>6</sub>                  | 0.14                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
|   | Steroids  |   |   |   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 42  | Estra-1,3(5)-trien-17 $\beta$ -ol   | Steroid   | 20.54   | C <sub>18</sub> H <sub>24</sub> O                               | 0.34                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 43  | Phthalic anhydride  | Cyclic anhydride  | 24.04   | C <sub>8</sub> H <sub>6</sub> O <sub>4</sub>                    | 0.87                      |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9198815/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9198815/</a> | Impact of Altitudinal Variation on the Phytochemical Profile, Anthelmintic and Antimicrobial Activity of Two <i>Pinus</i> Species.  | <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9198815/table/molecules-26-03177-t001/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9198815/table/molecules-26-03177-t001/</a> | <b>Table 1</b><br>Chemical composition of the essential oils of <i>P. halepensis</i> (Ph-1 and Ph-2) and <i>P. pinea</i> (Pp-1 and Pp-2).<br><table border="1"><thead><tr><th></th><th>AI</th><th>RI</th><th>Ph-1</th><th>Ph-2</th><th>Pp-1</th><th>Pp-2</th></tr></thead><tbody><tr><td>Monoterpene</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1.</td><td><math>\alpha</math>-Pinene</td><td>932</td><td>939</td><td>8.54 ± 0.03<sup>a</sup></td><td>13.33 ± 0.21<sup>b</sup></td><td>13.82 ± 0.03<sup>b</sup></td><td>20.97 ± 0.16<sup>c</sup></td></tr><tr><td>2.</td><td>Sabinene</td><td>970</td><td>976</td><td>2.15 ± 0.20</td><td>—</td><td>—</td><td>—</td></tr><tr><td>3.</td><td><math>\beta</math>-Pinene</td><td>974</td><td>980</td><td>4.08 ± 0.31</td><td>—</td><td>—</td><td>1.37 ± 0.05<sup>b</sup></td></tr><tr><td>4.</td><td><math>\beta</math>-Myrcene</td><td>990</td><td>990</td><td>5.80 ± 0.05<sup>a</sup></td><td>—</td><td>—</td><td>—</td></tr><tr><td>5.</td><td>8-carene</td><td>1008</td><td>1011</td><td>4.07 ± 0.19</td><td>—</td><td>—</td><td>—</td></tr><tr><td>6.</td><td><math>\alpha</math>-Cymene</td><td>1022</td><td>1022</td><td>1.39 ± 1.00</td><td>—</td><td>0.82 ± 0.23<sup>a</sup></td><td>0.69 ± 0.01<sup>a</sup></td></tr><tr><td>7.</td><td>Limonene</td><td>1024</td><td>1029</td>&lt;</tr></tbody></table>   |   | AI                        | RI                        | Ph-1                      | Ph-2 | Pp-1          | Pp-2             | Monoterpene   |                               |      |                                   |            |     |                                 | 1.                     | $\alpha$ -Pinene | 932                              | 939  | 8.54 ± 0.03 <sup>a</sup> | 13.33 ± 0.21 <sup>b</sup>           | 13.82 ± 0.03 <sup>b</sup> | 20.97 ± 0.16 <sup>c</sup> | 2.  | Sabinene | 970  | 976                             | 2.15 ± 0.20            | —    | —   | —     | 3. | $\beta$ -Pinene    | 974                    | 980   | 4.08 ± 0.31                                    | —    | —          | 1.37 ± 0.05 <sup>b</sup>  | 4.                     | $\beta$ -Myrcene | 990                               | 990                     | 5.80 ± 0.05 <sup>a</sup> | —                                       | —                      | —     | 5.  | 8-carene | 1008 | 1011           | 4.07 ± 0.19          | —        | —   | —    | 6.   | $\alpha$ -Cymene                         | 1022        | 1022  | 1.39 ± 1.00  | —     | 0.82 ± 0.23 <sup>a</sup> | 0.69 ± 0.01 <sup>a</sup>          | 7.        | Limonene | 1024   | 1029 |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
|   | AI  | RI  | Ph-1  | Ph-2  | Pp-1                      | Pp-2                      |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| Monoterpene   |   |   |   |   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 1.  | $\alpha$ -Pinene  | 932   | 939   | 8.54 ± 0.03 <sup>a</sup>  | 13.33 ± 0.21 <sup>b</sup> | 13.82 ± 0.03 <sup>b</sup> | 20.97 ± 0.16 <sup>c</sup> |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 2.  | Sabinene  | 970   | 976   | 2.15 ± 0.20   | —                         | —                         | —                         |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 3.  | $\beta$ -Pinene   | 974   | 980   | 4.08 ± 0.31   | —                         | —                         | 1.37 ± 0.05 <sup>b</sup>  |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 4.  | $\beta$ -Myrcene  | 990   | 990   | 5.80 ± 0.05 <sup>a</sup>  | —                         | —                         | —                         |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 5.  | 8-carene  | 1008  | 1011  | 4.07 ± 0.19   | —                         | —                         | —                         |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 6.  | $\alpha$ -Cymene  | 1022  | 1022  | 1.39 ± 1.00   | —                         | 0.82 ± 0.23 <sup>a</sup>  | 0.69 ± 0.01 <sup>a</sup>  |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |
| 7.  | Limonene  | 1024  | 1029  |   |                           |                           |                           |      |               |                  |   |                               |      |                                   |            |     |                                 |                        |                  |                                  |      |                          |                                     |                           |                           |   |          |      |                                 |                        |      |   |       |    |                    |                        |       |  |      |            |   |                        |                  |                                   |                         |                          |   |                        |       |   |          |      |                |                      |          |   |      |      |  |             |       |  |       |                          |                                   |           |          |  |      |              |                        |   |      |    |         |      |                          |                                |      |   |      |    |                                |            |             |  |       |      |   |                       |      |  |      |    |                           |                     |      |  |      |           |  |                          |       |   |                 |      |                      |                     |       |  |       |    |            |            |                    |  |      |      |                     |            |       |  |      |    |                         |            |       |  |      |                     |  |                                  |       |  |                 |       |                          |            |       |  |       |    |                           |                       |                   |  |      |    |  |                       |       |  |      |    |  |            |       |  |      |                    |                              |            |       |  |                    |       |  |                       |       |  |      |    |                                      |                     |                     |  |      |      |                               |                     |       |  |       |    |   |                     |       |  |      |                                 |  |                     |       |   |                               |       |               |   |    |         |       |    |   |                    |                   |  |      |    |  |                     |       |   |      |    |                     |              |      |   |      |                            |            |                     |      |   |          |       |   |                   |      |  |       |      |                               |                      |        |  |      |  |  |  |  |  |  |    |   |               |      |   |      |    |  |            |      |   |      |    |  |                 |       |  |      |    |               |            |       |   |      |    |                                       |                                |       |  |      |  |          |  |  |  |  |    |                                   |         |       |                                   |      |    |                    |                  |       |  |      |   |  |

| URL   | Title  | Table Link  | Table Pic (top)  | Table Header                        | Table footer         |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
|---|--|---|--|-------------------------------------|----------------------|---------------------------------|---------------------------------|-------------------------------------|--------------------------|--------------------|---------------------------|---------------------------|-------------------------|------------------|--------------------|------------|--------------------|---------------|----------------------|-------------|--------------------------|----------|--------------------------|----------|------------------------------|----------|---------------------------|----------|----------------|-------------|--------------------------------------|-----------------|-----------------|----------------------|-----------|------------|---------------------|-------------|--------------------------|-----------|---------------------|-------------|-----------------|--------------|-----------------|------------|-----------------|----------|---------------------------|-------------|-----------------|----------------|-----------------------|----------------|----------------------|-------|----------------------------|--------------------|----------|-------------|---------------------------------|-----------|-----------------------|-----------|----------------------|---------|------------------------------|--------------------|-----------------|-------------|------------------|---------|------------------|------------|------------------|----------|------|------------------|------------------|----------|------|------|-------|------------------------|-------------|------|------|-------|-------------------|-------------|------|------|----------|-------------------|----------|------|------|-----------|------------|----------|------|------|---------------|--------------|-----------|------|------|-------|-------------------|----------|------|---------------|------------|-------------|----------|------|------|-------------|-----------------|----------|---------------|------|-------|------------------------|-----------|------|------|----------|---|---|---|---|-----|---|---|---|---|---|------------|---|----|-----|-----|---|-----|---|----|----------|---|---|-----|-----|---|-----|----|---|-----------|---|----|-----|-----|----|-----|----|----|-----------|-----|-----|---|------|-----|---|-----|-----|--------------------|---|---|-----|---|---|-----|---|---|----------|-----|-----|-----|-----|-----|----|-----|-----|----------|-----|-----|---|-----|-----|---|-----|-----|-----------|-----|------|-----|-----|-----|----|-----|------|-------------|---|---|------|---|---|---|---|---|-------------------|-----|---|---|-----|-----|---|---|-----|-----------------|-----|-----|-----|-----|-----|---|-----|-----|----------|-----|-----|---|-----|-----|---|-----|-----|-----------|-----|-----|---|-----|-----|---|-----|-----|---------------------|-----|-----|---|---|-----|---|-----|-----|------------|-----|-----|-----|-----|-----|---|-----|-----|---------|-----|-----|---|-----|-----|---|-----|-----|------------------------|---|-----|---|-----|---|---|-----|-----|-------------|-----|-----|---|-----|-----|---|-----|-----|--------------|-----|-----|---|------|-----|---|-----|-----|-----------|-----|-----|---|-----|-----|---|-----|-----|-----------|-----|-----|---|-----|-----|---|-----|-----|-----------|------|------|---|---|------|---|----|------|------------------|---|-----|---|---|---|---|---|-----|--------------|---|-----|-----|---|---|---|---|-----|------------|-----|-----|---|-----|-----|---|------|-----|------------|-----|-----|----|-----|-----|---|-----|-----|------------|---|-----|---|-----|---|---|-----|-----|----------|-----|-----|---|-----|-----|---|-----|-----|--------------|-----|-----|---|-----|-----|---|-----|-----|-----------|-----|-----|---|-----|-----|---|-----|-----|-------------------------|---|-----|---|-----|---|---|-----|-----|-------------------------|------|---|---|---|------|---|----|---|----------|-----|---|---|---|-----|---|---|---|----------|-----|-----|---|-----|-----|---|------|-----|-------------|-----|-----|---|---|-----|---|---|---|-----------|-----|-----|---|-----|-----|---|---|-----|----------------------|-----|---|---|---|-----|---|---|---|--|--|
| <a href="https://europepmc.org/article/MED/35745024">https://europepmc.org/article/MED/35745024</a> | Phytochemical Composition of Commiphora Oleogum Resins and Their Cytotoxicity against Skin Cancer Cells.   | <a href="https://europepmc.org/articles/PMC9229828/table/molecules-27-03903-t004/">https://europepmc.org/articles/PMC9229828/table/molecules-27-03903-t004/</a> | <p><b>Table 4</b><br/>Chemical composition of <i>Commiphora oleogum</i> resin essential oils. Relative quantification by gas chromatography and flame ionization detection (GC-FID) using internal normalization, areas in uncorrected %. List of main components (area &gt; 1%). Hydrodistillation of <i>Commiphora oleogum</i> resin from Tarraxo (Somalia) yielded no essential oil and consequently, no GC analysis is shown. Traces tr &lt; 0.05%. Complete data are shown in <i>Supplementary Materials, Table S3</i>.</p> <table border="1"> <thead> <tr> <th>Compound</th> <th>C. myrrha (Somalia)</th> <th>C. erythreae (Somalia)</th> <th>C. mukul (Nepal)</th> <th>C. kotschy (Kenya)</th> <th>C. hololeuca (Kenya)</th> <th>C. confuse (Kenya)</th> <th>C. aust. (Socotra, Yemen)</th> <th>C. from Ogaden (Ethiopia)</th> </tr> </thead> <tbody> <tr><td>α-Thujene</td><td>-</td><td>tr</td><td>0.2</td><td>0.2</td><td>0.8</td><td>9.0</td><td>-</td><td>tr</td></tr> <tr><td>α-Pinene</td><td>-</td><td>0.5</td><td>8.5</td><td>5.8</td><td>0.8</td><td>39.5</td><td>tr</td><td>0.5</td></tr> <tr><td>3,7-Trimethylcyclohepta-1,3,5-triene</td><td>-</td><td>-</td><td>2.2</td><td>-</td><td>-</td><td>tr</td><td>-</td><td>-</td></tr> <tr><td>β-Pinene</td><td>-</td><td>0.1</td><td>2.0</td><td>3.5</td><td>0.1</td><td>8.9</td><td>-</td><td>0.1</td></tr> <tr><td>Sabinene</td><td>-</td><td>tr</td><td>0.2</td><td>0.3</td><td>tr</td><td>1.1</td><td>-</td><td>tr</td></tr> <tr><td>γ-Carene</td><td>tr</td><td>tr</td><td>29.8</td><td>tr</td><td>tr</td><td>tr</td><td>tr</td><td>tr</td></tr> <tr><td>para-Cymene</td><td>-</td><td>0.1</td><td>2.1</td><td>0.2</td><td>0.1</td><td>10.0</td><td>-</td><td>0.1</td></tr> <tr><td>Limonene</td><td>0.1</td><td>0.1</td><td>1.2</td><td>0.2</td><td>0.1</td><td>1.1</td><td>0.1</td><td>0.1</td></tr> <tr><td>β-Thujone</td><td>-</td><td>-</td><td>-</td><td>-</td><td>tr</td><td>1.0</td><td>-</td><td>-</td></tr> <tr><td>trans-Pinocarveol</td><td>-</td><td>-</td><td>0.3</td><td>0.3</td><td>0.1</td><td>2.0</td><td>tr</td><td>tr</td></tr> <tr><td>α-Pinocarveol</td><td>-</td><td>-</td><td>0.3</td><td>0.2</td><td>-</td><td>1.6</td><td>-</td><td>tr</td></tr> <tr><td>Terpinen-4-ol</td><td>-</td><td>tr</td><td>1.0</td><td>0.1</td><td>tr</td><td>4.5</td><td>tr</td><td>tr</td></tr> <tr><td>Terpinen-4-ol</td><td>-</td><td>tr</td><td>1.2</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>meta-Cymen-8-ol</td><td>-</td><td>-</td><td>1.2</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>α-Terpinol</td><td>-</td><td>tr</td><td>1.3</td><td>0.1</td><td>-</td><td>1.0</td><td>-</td><td>tr</td></tr> <tr><td>Myrcenol</td><td>-</td><td>-</td><td>0.2</td><td>0.2</td><td>-</td><td>1.0</td><td>tr</td><td>-</td></tr> <tr><td>Verbenone</td><td>-</td><td>tr</td><td>1.3</td><td>0.1</td><td>tr</td><td>1.6</td><td>tr</td><td>tr</td></tr> <tr><td>δ-Elemene</td><td>2.0</td><td>1.1</td><td>-</td><td>25.1</td><td>1.8</td><td>-</td><td>0.9</td><td>1.8</td></tr> <tr><td>α-Terpinyl acetate</td><td>-</td><td>-</td><td>1.1</td><td>-</td><td>-</td><td>0.1</td><td>-</td><td>-</td></tr> <tr><td>α-Copape</td><td>0.4</td><td>1.3</td><td>0.1</td><td>1.4</td><td>2.2</td><td>tr</td><td>1.5</td><td>0.6</td></tr> <tr><td>β-Copape</td><td>1.2</td><td>5.2</td><td>-</td><td>3.7</td><td>1.3</td><td>-</td><td>0.9</td><td>2.1</td></tr> <tr><td>β-Elemene</td><td>5.1</td><td>11.1</td><td>0.1</td><td>4.7</td><td>9.6</td><td>tr</td><td>0.9</td><td>12.8</td></tr> <tr><td>Longifolene</td><td>-</td><td>-</td><td>24.3</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>cis-α-Bergamotene</td><td>0.2</td><td>-</td><td>-</td><td>1.2</td><td>0.5</td><td>-</td><td>-</td><td>0.1</td></tr> <tr><td>β-Caryophyllene</td><td>0.7</td><td>1.1</td><td>0.7</td><td>1.2</td><td>0.9</td><td>-</td><td>7.7</td><td>1.0</td></tr> <tr><td>β-Copape</td><td>0.4</td><td>1.1</td><td>-</td><td>1.0</td><td>0.4</td><td>-</td><td>0.3</td><td>0.7</td></tr> <tr><td>γ-Elemene</td><td>2.7</td><td>1.1</td><td>-</td><td>0.5</td><td>1.8</td><td>-</td><td>0.2</td><td>3.8</td></tr> <tr><td>trans-α-Bergamotene</td><td>0.1</td><td>1.8</td><td>-</td><td>-</td><td>0.3</td><td>-</td><td>0.4</td><td>0.9</td></tr> <tr><td>α-Humulene</td><td>0.5</td><td>0.7</td><td>0.1</td><td>1.0</td><td>0.5</td><td>-</td><td>3.9</td><td>0.7</td></tr> <tr><td>Alkenes</td><td>0.1</td><td>0.3</td><td>-</td><td>0.3</td><td>0.2</td><td>-</td><td>3.8</td><td>0.2</td></tr> <tr><td>cis-Cadin-10(14)-diene</td><td>-</td><td>0.1</td><td>-</td><td>0.1</td><td>-</td><td>-</td><td>1.7</td><td>0.2</td></tr> <tr><td>γ-Muurolene</td><td>0.2</td><td>1.7</td><td>-</td><td>1.6</td><td>0.5</td><td>-</td><td>2.0</td><td>1.0</td></tr> <tr><td>Germacrene D</td><td>3.3</td><td>1.2</td><td>-</td><td>13.7</td><td>1.8</td><td>-</td><td>1.5</td><td>8.3</td></tr> <tr><td>β-Selinen</td><td>1.1</td><td>1.9</td><td>-</td><td>2.1</td><td>1.8</td><td>-</td><td>1.2</td><td>1.1</td></tr> <tr><td>α-Selinen</td><td>1.2</td><td>2.2</td><td>-</td><td>0.9</td><td>1.8</td><td>-</td><td>1.8</td><td>1.3</td></tr> <tr><td>Curzerene</td><td>29.7</td><td>37.8</td><td>-</td><td>-</td><td>18.7</td><td>-</td><td>tr</td><td>32.6</td></tr> <tr><td>(Z)-α-Bisabolene</td><td>-</td><td>4.8</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>0.2</td></tr> <tr><td>β-Bisabolene</td><td>-</td><td>1.2</td><td>0.1</td><td>-</td><td>-</td><td>-</td><td>-</td><td>0.1</td></tr> <tr><td>γ-Cadinene</td><td>0.1</td><td>0.9</td><td>-</td><td>1.2</td><td>0.4</td><td>-</td><td>20.0</td><td>0.2</td></tr> <tr><td>δ-Cadinene</td><td>0.4</td><td>2.3</td><td>tr</td><td>1.7</td><td>0.9</td><td>-</td><td>4.9</td><td>1.4</td></tr> <tr><td>α-Cadinene</td><td>-</td><td>0.2</td><td>-</td><td>0.2</td><td>-</td><td>-</td><td>1.9</td><td>0.1</td></tr> <tr><td>α-Elemol</td><td>0.2</td><td>1.1</td><td>-</td><td>0.5</td><td>0.4</td><td>-</td><td>0.1</td><td>1.1</td></tr> <tr><td>Germacrene B</td><td>4.6</td><td>1.3</td><td>-</td><td>0.7</td><td>2.6</td><td>-</td><td>0.3</td><td>4.9</td></tr> <tr><td>Curzerene</td><td>0.6</td><td>0.3</td><td>-</td><td>2.6</td><td>2.2</td><td>-</td><td>0.1</td><td>2.7</td></tr> <tr><td>10-<i>tert</i>-Cubene</td><td>-</td><td>0.1</td><td>-</td><td>0.3</td><td>-</td><td>-</td><td>3.3</td><td>0.2</td></tr> <tr><td>Furanoeudesma-1,3-diene</td><td>17.4</td><td>-</td><td>-</td><td>-</td><td>23.9</td><td>-</td><td>tr</td><td>-</td></tr> <tr><td>Undecene</td><td>8.7</td><td>-</td><td>-</td><td>-</td><td>6.5</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>Cadinene</td><td>0.2</td><td>0.4</td><td>-</td><td>0.6</td><td>0.2</td><td>-</td><td>16.9</td><td>0.6</td></tr> <tr><td>Furanodiene</td><td>0.4</td><td>1.1</td><td>-</td><td>-</td><td>0.4</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>Germarone</td><td>0.4</td><td>0.3</td><td>-</td><td>0.2</td><td>0.3</td><td>-</td><td>-</td><td>1.8</td></tr> <tr><td>2-Methoxyfuranodiene</td><td>1.1</td><td>-</td><td>-</td><td>-</td><td>0.4</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> | Compound                            | C. myrrha (Somalia)  | C. erythreae (Somalia)          | C. mukul (Nepal)                | C. kotschy (Kenya)                  | C. hololeuca (Kenya)     | C. confuse (Kenya) | C. aust. (Socotra, Yemen) | C. from Ogaden (Ethiopia) | α-Thujene               | -                | tr                 | 0.2        | 0.2                | 0.8           | 9.0                  | -           | tr                       | α-Pinene | -                        | 0.5      | 8.5                          | 5.8      | 0.8                       | 39.5     | tr             | 0.5         | 3,7-Trimethylcyclohepta-1,3,5-triene | -               | -               | 2.2                  | -         | -          | tr                  | -           | -                        | β-Pinene  | -                   | 0.1         | 2.0             | 3.5          | 0.1             | 8.9        | -               | 0.1      | Sabinene                  | -           | tr              | 0.2            | 0.3                   | tr             | 1.1                  | -     | tr                         | γ-Carene           | tr       | tr          | 29.8                            | tr        | tr                    | tr        | tr                   | tr      | para-Cymene                  | -                  | 0.1             | 2.1         | 0.2              | 0.1     | 10.0             | -          | 0.1              | Limonene | 0.1  | 0.1              | 1.2              | 0.2      | 0.1  | 1.1  | 0.1   | 0.1                    | β-Thujone   | -    | -    | -     | -                 | tr          | 1.0  | -    | -        | trans-Pinocarveol | -        | -    | 0.3  | 0.3       | 0.1        | 2.0      | tr   | tr   | α-Pinocarveol | -            | -         | 0.3  | 0.2  | -     | 1.6               | -        | tr   | Terpinen-4-ol | -          | tr          | 1.0      | 0.1  | tr   | 4.5         | tr              | tr       | Terpinen-4-ol | -    | tr    | 1.2                    | -         | -    | -    | -        | -   | meta-Cymen-8-ol   | - | - | 1.2 | - | - | - | - | - | α-Terpinol | - | tr | 1.3 | 0.1 | - | 1.0 | - | tr | Myrcenol | - | - | 0.2 | 0.2 | - | 1.0 | tr | - | Verbenone | - | tr | 1.3 | 0.1 | tr | 1.6 | tr | tr | δ-Elemene | 2.0 | 1.1 | - | 25.1 | 1.8 | - | 0.9 | 1.8 | α-Terpinyl acetate | - | - | 1.1 | - | - | 0.1 | - | - | α-Copape | 0.4 | 1.3 | 0.1 | 1.4 | 2.2 | tr | 1.5 | 0.6 | β-Copape | 1.2 | 5.2 | - | 3.7 | 1.3 | - | 0.9 | 2.1 | β-Elemene | 5.1 | 11.1 | 0.1 | 4.7 | 9.6 | tr | 0.9 | 12.8 | Longifolene | - | - | 24.3 | - | - | - | - | - | cis-α-Bergamotene | 0.2 | - | - | 1.2 | 0.5 | - | - | 0.1 | β-Caryophyllene | 0.7 | 1.1 | 0.7 | 1.2 | 0.9 | - | 7.7 | 1.0 | β-Copape | 0.4 | 1.1 | - | 1.0 | 0.4 | - | 0.3 | 0.7 | γ-Elemene | 2.7 | 1.1 | - | 0.5 | 1.8 | - | 0.2 | 3.8 | trans-α-Bergamotene | 0.1 | 1.8 | - | - | 0.3 | - | 0.4 | 0.9 | α-Humulene | 0.5 | 0.7 | 0.1 | 1.0 | 0.5 | - | 3.9 | 0.7 | Alkenes | 0.1 | 0.3 | - | 0.3 | 0.2 | - | 3.8 | 0.2 | cis-Cadin-10(14)-diene | - | 0.1 | - | 0.1 | - | - | 1.7 | 0.2 | γ-Muurolene | 0.2 | 1.7 | - | 1.6 | 0.5 | - | 2.0 | 1.0 | Germacrene D | 3.3 | 1.2 | - | 13.7 | 1.8 | - | 1.5 | 8.3 | β-Selinen | 1.1 | 1.9 | - | 2.1 | 1.8 | - | 1.2 | 1.1 | α-Selinen | 1.2 | 2.2 | - | 0.9 | 1.8 | - | 1.8 | 1.3 | Curzerene | 29.7 | 37.8 | - | - | 18.7 | - | tr | 32.6 | (Z)-α-Bisabolene | - | 4.8 | - | - | - | - | - | 0.2 | β-Bisabolene | - | 1.2 | 0.1 | - | - | - | - | 0.1 | γ-Cadinene | 0.1 | 0.9 | - | 1.2 | 0.4 | - | 20.0 | 0.2 | δ-Cadinene | 0.4 | 2.3 | tr | 1.7 | 0.9 | - | 4.9 | 1.4 | α-Cadinene | - | 0.2 | - | 0.2 | - | - | 1.9 | 0.1 | α-Elemol | 0.2 | 1.1 | - | 0.5 | 0.4 | - | 0.1 | 1.1 | Germacrene B | 4.6 | 1.3 | - | 0.7 | 2.6 | - | 0.3 | 4.9 | Curzerene | 0.6 | 0.3 | - | 2.6 | 2.2 | - | 0.1 | 2.7 | 10- <i>tert</i> -Cubene | - | 0.1 | - | 0.3 | - | - | 3.3 | 0.2 | Furanoeudesma-1,3-diene | 17.4 | - | - | - | 23.9 | - | tr | - | Undecene | 8.7 | - | - | - | 6.5 | - | - | - | Cadinene | 0.2 | 0.4 | - | 0.6 | 0.2 | - | 16.9 | 0.6 | Furanodiene | 0.4 | 1.1 | - | - | 0.4 | - | - | - | Germarone | 0.4 | 0.3 | - | 0.2 | 0.3 | - | - | 1.8 | 2-Methoxyfuranodiene | 1.1 | - | - | - | 0.4 | - | - | - | <p><b>Table 4</b><br/>Chemical composition of <i>Commiphora oleogum</i> resin essential oils. Relative quantification by gas chromatography and flame ionization detection (GC-FID) using internal normalization, areas in uncorrected %. List of main components (area &gt; 1%). Hydrodistillation of <i>Commiphora oleogum</i> resin from Tarraxo (Somalia) yielded no essential oil and consequently, no GC analysis is shown. Traces tr &lt; 0.05%. Complete data are shown in <i>Supplementary Materials, Table S3</i>.</p> | <p><b>Table 4</b><br/>Chemical composition of <i>Commiphora oleogum</i> resin essential oils. Relative quantification by gas chromatography and flame ionization detection (GC-FID) using internal normalization, areas in uncorrected %. List of main components (area &gt; 1%). Hydrodistillation of <i>Commiphora oleogum</i> resin from Tarraxo (Somalia) yielded no essential oil and consequently, no GC analysis is shown. Traces tr &lt; 0.05%. Complete data are shown in <i>Supplementary Materials, Table S3</i>.</p> |
| Compound  | C. myrrha (Somalia)  | C. erythreae (Somalia)  | C. mukul (Nepal)   | C. kotschy (Kenya)                  | C. hololeuca (Kenya) | C. confuse (Kenya)              | C. aust. (Socotra, Yemen)       | C. from Ogaden (Ethiopia)           |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Thujene   | -  | tr  | 0.2  | 0.2                                 | 0.8                  | 9.0                             | -                               | tr                                  |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Pinene  | -  | 0.5   | 8.5  | 5.8                                 | 0.8                  | 39.5                            | tr                              | 0.5                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| 3,7-Trimethylcyclohepta-1,3,5-triene  | -  | -   | 2.2  | -                                   | -                    | tr                              | -                               | -                                   |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| β-Pinene  | -  | 0.1   | 2.0  | 3.5                                 | 0.1                  | 8.9                             | -                               | 0.1                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Sabinene  | -  | tr  | 0.2  | 0.3                                 | tr                   | 1.1                             | -                               | tr                                  |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| γ-Carene  | tr   | tr  | 29.8   | tr                                  | tr                   | tr                              | tr                              | tr                                  |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| para-Cymene   | -  | 0.1   | 2.1  | 0.2                                 | 0.1                  | 10.0                            | -                               | 0.1                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Limonene  | 0.1  | 0.1   | 1.2  | 0.2                                 | 0.1                  | 1.1                             | 0.1                             | 0.1                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| β-Thujone   | -  | -   | -  | -                                   | tr                   | 1.0                             | -                               | -                                   |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| trans-Pinocarveol   | -  | -   | 0.3  | 0.3                                 | 0.1                  | 2.0                             | tr                              | tr                                  |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Pinocarveol   | -  | -   | 0.3  | 0.2                                 | -                    | 1.6                             | -                               | tr                                  |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Terpinen-4-ol   | -  | tr  | 1.0  | 0.1                                 | tr                   | 4.5                             | tr                              | tr                                  |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Terpinen-4-ol   | -  | tr  | 1.2  | -                                   | -                    | -                               | -                               | -                                   |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| meta-Cymen-8-ol   | -  | -   | 1.2  | -                                   | -                    | -                               | -                               | -                                   |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Terpinol  | -  | tr  | 1.3  | 0.1                                 | -                    | 1.0                             | -                               | tr                                  |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Myrcenol  | -  | -   | 0.2  | 0.2                                 | -                    | 1.0                             | tr                              | -                                   |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Verbenone   | -  | tr  | 1.3  | 0.1                                 | tr                   | 1.6                             | tr                              | tr                                  |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| δ-Elemene   | 2.0  | 1.1   | -  | 25.1                                | 1.8                  | -                               | 0.9                             | 1.8                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Terpinyl acetate  | -  | -   | 1.1  | -                                   | -                    | 0.1                             | -                               | -                                   |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Copape  | 0.4  | 1.3   | 0.1  | 1.4                                 | 2.2                  | tr                              | 1.5                             | 0.6                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| β-Copape  | 1.2  | 5.2   | -  | 3.7                                 | 1.3                  | -                               | 0.9                             | 2.1                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| β-Elemene   | 5.1  | 11.1  | 0.1  | 4.7                                 | 9.6                  | tr                              | 0.9                             | 12.8                                |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Longifolene   | -  | -   | 24.3   | -                                   | -                    | -                               | -                               | -                                   |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| cis-α-Bergamotene   | 0.2  | -   | -  | 1.2                                 | 0.5                  | -                               | -                               | 0.1                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| β-Caryophyllene   | 0.7  | 1.1   | 0.7  | 1.2                                 | 0.9                  | -                               | 7.7                             | 1.0                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| β-Copape  | 0.4  | 1.1   | -  | 1.0                                 | 0.4                  | -                               | 0.3                             | 0.7                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| γ-Elemene   | 2.7  | 1.1   | -  | 0.5                                 | 1.8                  | -                               | 0.2                             | 3.8                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| trans-α-Bergamotene   | 0.1  | 1.8   | -  | -                                   | 0.3                  | -                               | 0.4                             | 0.9                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Humulene  | 0.5  | 0.7   | 0.1  | 1.0                                 | 0.5                  | -                               | 3.9                             | 0.7                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Alkenes   | 0.1  | 0.3   | -  | 0.3                                 | 0.2                  | -                               | 3.8                             | 0.2                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| cis-Cadin-10(14)-diene  | -  | 0.1   | -  | 0.1                                 | -                    | -                               | 1.7                             | 0.2                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| γ-Muurolene   | 0.2  | 1.7   | -  | 1.6                                 | 0.5                  | -                               | 2.0                             | 1.0                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Germacrene D  | 3.3  | 1.2   | -  | 13.7                                | 1.8                  | -                               | 1.5                             | 8.3                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| β-Selinen   | 1.1  | 1.9   | -  | 2.1                                 | 1.8                  | -                               | 1.2                             | 1.1                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Selinen   | 1.2  | 2.2   | -  | 0.9                                 | 1.8                  | -                               | 1.8                             | 1.3                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Curzerene   | 29.7   | 37.8  | -  | -                                   | 18.7                 | -                               | tr                              | 32.6                                |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| (Z)-α-Bisabolene  | -  | 4.8   | -  | -                                   | -                    | -                               | -                               | 0.2                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| β-Bisabolene  | -  | 1.2   | 0.1  | -                                   | -                    | -                               | -                               | 0.1                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| γ-Cadinene  | 0.1  | 0.9   | -  | 1.2                                 | 0.4                  | -                               | 20.0                            | 0.2                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| δ-Cadinene  | 0.4  | 2.3   | tr   | 1.7                                 | 0.9                  | -                               | 4.9                             | 1.4                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Cadinene  | -  | 0.2   | -  | 0.2                                 | -                    | -                               | 1.9                             | 0.1                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Elemol  | 0.2  | 1.1   | -  | 0.5                                 | 0.4                  | -                               | 0.1                             | 1.1                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Germacrene B  | 4.6  | 1.3   | -  | 0.7                                 | 2.6                  | -                               | 0.3                             | 4.9                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Curzerene   | 0.6  | 0.3   | -  | 2.6                                 | 2.2                  | -                               | 0.1                             | 2.7                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| 10- <i>tert</i> -Cubene   | -  | 0.1   | -  | 0.3                                 | -                    | -                               | 3.3                             | 0.2                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Furanoeudesma-1,3-diene   | 17.4   | -   | -  | -                                   | 23.9                 | -                               | tr                              | -                                   |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Undecene  | 8.7  | -   | -  | -                                   | 6.5                  | -                               | -                               | -                                   |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Cadinene  | 0.2  | 0.4   | -  | 0.6                                 | 0.2                  | -                               | 16.9                            | 0.6                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Furanodiene   | 0.4  | 1.1   | -  | -                                   | 0.4                  | -                               | -                               | -                                   |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Germarone   | 0.4  | 0.3   | -  | 0.2                                 | 0.3                  | -                               | -                               | 1.8                                 |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| 2-Methoxyfuranodiene  | 1.1  | -   | -  | -                                   | 0.4                  | -                               | -                               | -                                   |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| <a href="https://europepmc.org/article/MED/35351963">https://europepmc.org/article/MED/35351963</a> | Repellency and insecticidal activity of seven Mugwort ( <i>Artemisia argyi</i> ) essential oils against the malaria vector <i>Anopheles sinensis</i> . | <a href="https://europepmc.org/articles/PMC8964668/table/Tab5/">https://europepmc.org/articles/PMC8964668/table/Tab5/</a>                                       | <p><b>Table 5</b><br/>GC-MS analyses of compositional compounds of the essential oils extracted from seven regions of <i>Ar. argyi</i>.</p> <table border="1"> <thead> <tr> <th>Constituents</th> <th>CAS<sup>a</sup></th> <th>RI-<sup>b</sup>A<sup>b</sup></th> <th>RI-<sup>b</sup>B<sup>c</sup></th> <th>Constituent percentage<sup>c</sup></th> </tr> <tr> <th></th> <th></th> <th>CQ</th> <th>SC</th> <th>YN</th> </tr> </thead> <tbody> <tr><td>Santolina triene</td><td>2153-66-4</td><td>908</td><td>907</td><td>- - 12.36</td></tr> <tr><td>1R-<i>α</i>-Pinene</td><td>7785-70-8</td><td>929</td><td>932</td><td>2.58 1.38 2.49</td></tr> <tr><td>α-Pinene</td><td>80-56-8</td><td>937</td><td>932</td><td>- - -</td></tr> <tr><td>Camphepane</td><td>79-92-5</td><td>952</td><td>947</td><td>- 1.24 -</td></tr> <tr><td>Sabinen</td><td>3387-41-5</td><td>974</td><td>973</td><td>- 1.81 4.48</td></tr> <tr><td>β-Pinene</td><td>127-91-3</td><td>979</td><td>977</td><td>1.62 2.02 -</td></tr> <tr><td>(+)-2-Carene</td><td>149,946</td><td>991</td><td>1015</td><td>- - -</td></tr> <tr><td>Yomogi alcohol</td><td>26,127-98-0</td><td>1000</td><td>1000</td><td>- - -</td></tr> <tr><td>α-Phellandrene</td><td>99-83-2</td><td>1005</td><td>1003</td><td>- - 1.91</td></tr> <tr><td>o-Cymene</td><td>527-84-4</td><td>1022</td><td>1022</td><td>1.74 1.78 4.39</td></tr> <tr><td>m-Cymene</td><td>535-77-3</td><td>1023</td><td>1022</td><td>- - -</td></tr> <tr><td>p-Cymene</td><td>99-87-6</td><td>1025</td><td>1023</td><td>- - -</td></tr> <tr><td>Eucalyptol</td><td>470-82-6</td><td>1032</td><td>1031</td><td>11.44 12.62 5.49</td></tr> <tr><td>Artemisia ketone</td><td>546-49-6</td><td>1062</td><td>1061</td><td>- - -</td></tr> <tr><td>cis-Sabinene hydroxide</td><td>17,699-16-0</td><td>1070</td><td>1068</td><td>- - -</td></tr> <tr><td>Artemisia alcohol</td><td>27,644-04-8</td><td>1084</td><td>1084</td><td>2.26 - -</td></tr> <tr><td>Thujone</td><td>546-80-5</td><td>1103</td><td>1107</td><td>- 16.66 -</td></tr> <tr><td>Isothujone</td><td>471-15-8</td><td>1114</td><td>1117</td><td>- - -</td></tr> <tr><td>Chrysanthone</td><td>1125-12-8</td><td>1119</td><td>1108</td><td>- - -</td></tr> <tr><td>Isochrysanthenone</td><td>473-06-3</td><td>1123</td><td>1125</td><td>4.08 1.8 -</td></tr> <tr><td>(-)-Camphor</td><td>464-48-2</td><td>1142</td><td>1143</td><td>- 1.49 2.15</td></tr> <tr><td>(+)-2-Bornanone</td><td>471-16-9</td><td>1143</td><td>1143</td><td>- - -</td></tr> <tr><td>p-Menth-8-en-1-ol, cis</td><td>7299-41-4</td><td>1144</td><td>1066</td><td>- 1.35 -</td></tr> </tbody> </table> <p style="text-align: center;"><a href="#">Open in a separate window</a></p> <p><sup>a</sup>CAS: Chemical Abstracts Service Registry Number. <sup>b</sup>Retention index from NIST references (qualitative index of gas chromatography). <sup>c</sup>Retention index calculated with N alkanes (C<sub>5</sub>-C<sub>25</sub>H<sub>6</sub>) as standard. The chemical constituents with less than 1% composition in each essential oil are not listed in the table. CQ, SC, YN, HB, HN, SD and GS: essential oils from Chongqing, Sichuan, Yunnan, Hubei, Henan, Shandong and Gansu province/municipality, respectively.</p>   | Constituents                        | CAS <sup>a</sup>     | RI- <sup>b</sup> A <sup>b</sup> | RI- <sup>b</sup> B <sup>c</sup> | Constituent percentage <sup>c</sup> |                          |                    | CQ                        | SC                        | YN                      | Santolina triene | 2153-66-4          | 908        | 907                | - - 12.36     | 1R- <i>α</i> -Pinene | 7785-70-8   | 929                      | 932      | 2.58 1.38 2.49           | α-Pinene | 80-56-8                      | 937      | 932                       | - - -    | Camphepane     | 79-92-5     | 952                                  | 947             | - 1.24 -        | Sabinen              | 3387-41-5 | 974        | 973                 | - 1.81 4.48 | β-Pinene                 | 127-91-3  | 979                 | 977         | 1.62 2.02 -     | (+)-2-Carene | 149,946         | 991        | 1015            | - - -    | Yomogi alcohol            | 26,127-98-0 | 1000            | 1000           | - - -                 | α-Phellandrene | 99-83-2              | 1005  | 1003                       | - - 1.91           | o-Cymene | 527-84-4    | 1022                            | 1022      | 1.74 1.78 4.39        | m-Cymene  | 535-77-3             | 1023    | 1022                         | - - -              | p-Cymene        | 99-87-6     | 1025             | 1023    | - - -            | Eucalyptol | 470-82-6         | 1032     | 1031 | 11.44 12.62 5.49 | Artemisia ketone | 546-49-6 | 1062 | 1061 | - - - | cis-Sabinene hydroxide | 17,699-16-0 | 1070 | 1068 | - - - | Artemisia alcohol | 27,644-04-8 | 1084 | 1084 | 2.26 - - | Thujone           | 546-80-5 | 1103 | 1107 | - 16.66 - | Isothujone | 471-15-8 | 1114 | 1117 | - - -         | Chrysanthone | 1125-12-8 | 1119 | 1108 | - - - | Isochrysanthenone | 473-06-3 | 1123 | 1125          | 4.08 1.8 - | (-)-Camphor | 464-48-2 | 1142 | 1143 | - 1.49 2.15 | (+)-2-Bornanone | 471-16-9 | 1143          | 1143 | - - - | p-Menth-8-en-1-ol, cis | 7299-41-4 | 1144 | 1066 | - 1.35 - | <p><b>Table 5</b><br/>GC-MS analyses of compositional compounds of the essential oils extracted from seven regions of <i>Ar. argyi</i>.</p> | <p><b>Table 5</b><br/>GC-MS analyses of compositional compounds of the essential oils extracted from seven regions of <i>Ar. argyi</i>.</p> |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Constituents  | CAS <sup>a</sup>   | RI- <sup>b</sup> A <sup>b</sup>   | RI- <sup>b</sup> B <sup>c</sup>  | Constituent percentage <sup>c</sup> |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
|   |  | CQ  | SC   | YN                                  |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Santolina triene  | 2153-66-4  | 908   | 907  | - - 12.36                           |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| 1R- <i>α</i> -Pinene  | 7785-70-8  | 929   | 932  | 2.58 1.38 2.49                      |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Pinene  | 80-56-8  | 937   | 932  | - - -                               |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Camphepane  | 79-92-5  | 952   | 947  | - 1.24 -                            |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Sabinen   | 3387-41-5  | 974   | 973  | - 1.81 4.48                         |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| β-Pinene  | 127-91-3   | 979   | 977  | 1.62 2.02 -                         |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| (+)-2-Carene  | 149,946  | 991   | 1015   | - - -                               |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Yomogi alcohol  | 26,127-98-0  | 1000  | 1000   | - - -                               |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-Phellandrene  | 99-83-2  | 1005  | 1003   | - - 1.91                            |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| o-Cymene  | 527-84-4   | 1022  | 1022   | 1.74 1.78 4.39                      |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| m-Cymene  | 535-77-3   | 1023  | 1022   | - - -                               |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| p-Cymene  | 99-87-6  | 1025  | 1023   | - - -                               |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Eucalyptol  | 470-82-6   | 1032  | 1031   | 11.44 12.62 5.49                    |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Artemisia ketone  | 546-49-6   | 1062  | 1061   | - - -                               |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| cis-Sabinene hydroxide  | 17,699-16-0  | 1070  | 1068   | - - -                               |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Artemisia alcohol   | 27,644-04-8  | 1084  | 1084   | 2.26 - -                            |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Thujone   | 546-80-5   | 1103  | 1107   | - 16.66 -                           |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Isothujone  | 471-15-8   | 1114  | 1117   | - - -                               |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Chrysanthone  | 1125-12-8  | 1119  | 1108   | - - -                               |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Isochrysanthenone   | 473-06-3   | 1123  | 1125   | 4.08 1.8 -                          |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| (-)-Camphor   | 464-48-2   | 1142  | 1143   | - 1.49 2.15                         |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| (+)-2-Bornanone   | 471-16-9   | 1143  | 1143   | - - -                               |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| p-Menth-8-en-1-ol, cis  | 7299-41-4  | 1144  | 1066   | - 1.35 -                            |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| <a href="https://europepmc.org/article/MED/35523830">https://europepmc.org/article/MED/35523830</a> | Application of direct peptide reactivity assay for assessing the skin sensitization potential of essential oils.                                       | <a href="https://europepmc.org/articles/PMC9076902/table/Tab1/">https://europepmc.org/articles/PMC9076902/table/Tab1/</a>                                       | <p><b>Table 1</b><br/>Chemical composition of selected essential oils.</p> <table border="1"> <thead> <tr> <th>Compounds</th> <th>Percentage (%)</th> </tr> </thead> <tbody> <tr><td>Monoterpene hydrocarbons</td><td></td></tr> <tr><td>α-pinene</td><td>939 1.54 11.18 7.59 0.18</td></tr> <tr><td>α-terpinene</td><td>1020 1.89 0.45 0.24</td></tr> <tr><td>α-thujene</td><td>930 1.03 0.12 0.33 0.11</td></tr> <tr><td>β-pinene</td><td>981 0.72 1.97 1.23</td></tr> <tr><td>Camphepane</td><td>956 1.02 4.22 7.39</td></tr> <tr><td>cis-β-ocimene</td><td>1050 - - - 3.30</td></tr> <tr><td>γ-terpinene</td><td>1020 9.04 0.20 0.20 0.09</td></tr> <tr><td>Limonene</td><td>1033 0.67 2.14 2.37 0.93</td></tr> <tr><td>Myrcene</td><td>990 1.53 1.51 0.98 0.15 0.91</td></tr> <tr><td>p-cymene</td><td>1029 29.93 3.58 1.57 0.53</td></tr> <tr><td>Sabinene</td><td>974 - - - 4.41</td></tr> <tr><td>Terpinolene</td><td>1008 - - - 2.80</td></tr> <tr><td>trans-β-ocimene</td><td>1049 - - - 1.95</td></tr> <tr><td>Monoterpene alcohols</td><td></td></tr> <tr><td>α-terpinol</td><td>1196 0.37 5.55 0.34</td></tr> <tr><td>Borneol</td><td>1176 1.73 4.99 3.11 2.13</td></tr> <tr><td>Carvacrol</td><td>1298 3.60 0.08 0.07</td></tr> <tr><td>Citronellol</td><td>1228 - - - 1.48</td></tr> <tr><td>Geraniol</td><td>1252 - - - 6.56</td></tr> <tr><td>Lavandulol</td><td>1166 - - - 3.78</td></tr> <tr><td>Linalool</td><td>1100 2.38 1.39 0.46 37.87</td></tr> <tr><td>Nerol</td><td>1226 - - - 1.50</td></tr> <tr><td>Terpinene-4-ol</td><td>1183 0.87 1.18 - 4.92</td></tr> <tr><td>Thymol</td><td>1292 36.69 0.09 0.90</td></tr> <tr><td>Other</td><td>- 1.40 0.40 0.17 2.70 0.70</td></tr> <tr><td>Monoterpene oxides</td><td></td></tr> <tr><td>1,8-cineole</td><td>1037 1.39 41.94 13.41 0.45 0.35</td></tr> <tr><td>α-thujone</td><td>1109 - - - 25.23 0.97</td></tr> <tr><td>β-thujone</td><td>1121 - - - 7.42 0.27</td></tr> <tr><td>Camphor</td><td>1152 0.65 16.31 19.27 - 1.56</td></tr> <tr><td>Cis-linalool oxide</td><td>1038 - - - 5.42</td></tr> <tr><td>Citronellal</td><td>1155 - - - 27.71</td></tr> <tr><td>Geranyl</td><td>1270 - - - 19.54</td></tr> <tr><td>Neral</td><td>1241 - - - 19.54</td></tr> </tbody> </table> <p><sup>a</sup>Retention index calculated relative to elution time</p>  | Compounds                           | Percentage (%)       | Monoterpene hydrocarbons        |                                 | α-pinene                            | 939 1.54 11.18 7.59 0.18 | α-terpinene        | 1020 1.89 0.45 0.24       | α-thujene                 | 930 1.03 0.12 0.33 0.11 | β-pinene         | 981 0.72 1.97 1.23 | Camphepane | 956 1.02 4.22 7.39 | cis-β-ocimene | 1050 - - - 3.30      | γ-terpinene | 1020 9.04 0.20 0.20 0.09 | Limonene | 1033 0.67 2.14 2.37 0.93 | Myrcene  | 990 1.53 1.51 0.98 0.15 0.91 | p-cymene | 1029 29.93 3.58 1.57 0.53 | Sabinene | 974 - - - 4.41 | Terpinolene | 1008 - - - 2.80                      | trans-β-ocimene | 1049 - - - 1.95 | Monoterpene alcohols |           | α-terpinol | 1196 0.37 5.55 0.34 | Borneol     | 1176 1.73 4.99 3.11 2.13 | Carvacrol | 1298 3.60 0.08 0.07 | Citronellol | 1228 - - - 1.48 | Geraniol     | 1252 - - - 6.56 | Lavandulol | 1166 - - - 3.78 | Linalool | 1100 2.38 1.39 0.46 37.87 | Nerol       | 1226 - - - 1.50 | Terpinene-4-ol | 1183 0.87 1.18 - 4.92 | Thymol         | 1292 36.69 0.09 0.90 | Other | - 1.40 0.40 0.17 2.70 0.70 | Monoterpene oxides |          | 1,8-cineole | 1037 1.39 41.94 13.41 0.45 0.35 | α-thujone | 1109 - - - 25.23 0.97 | β-thujone | 1121 - - - 7.42 0.27 | Camphor | 1152 0.65 16.31 19.27 - 1.56 | Cis-linalool oxide | 1038 - - - 5.42 | Citronellal | 1155 - - - 27.71 | Geranyl | 1270 - - - 19.54 | Neral      | 1241 - - - 19.54 |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Compounds   | Percentage (%)   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Monoterpene hydrocarbons  |  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-pinene  | 939 1.54 11.18 7.59 0.18   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-terpinene   | 1020 1.89 0.45 0.24  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-thujene   | 930 1.03 0.12 0.33 0.11  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| β-pinene  | 981 0.72 1.97 1.23   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Camphepane  | 956 1.02 4.22 7.39   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| cis-β-ocimene   | 1050 - - - 3.30  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| γ-terpinene   | 1020 9.04 0.20 0.20 0.09   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Limonene  | 1033 0.67 2.14 2.37 0.93   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Myrcene   | 990 1.53 1.51 0.98 0.15 0.91   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| p-cymene  | 1029 29.93 3.58 1.57 0.53  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Sabinene  | 974 - - - 4.41   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Terpinolene   | 1008 - - - 2.80  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| trans-β-ocimene   | 1049 - - - 1.95  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Monoterpene alcohols  |  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-terpinol  | 1196 0.37 5.55 0.34  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Borneol   | 1176 1.73 4.99 3.11 2.13   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Carvacrol   | 1298 3.60 0.08 0.07  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Citronellol   | 1228 - - - 1.48  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Geraniol  | 1252 - - - 6.56  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Lavandulol  | 1166 - - - 3.78  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Linalool  | 1100 2.38 1.39 0.46 37.87  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Nerol   | 1226 - - - 1.50  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Terpinene-4-ol  | 1183 0.87 1.18 - 4.92  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Thymol  | 1292 36.69 0.09 0.90   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Other   | - 1.40 0.40 0.17 2.70 0.70   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Monoterpene oxides  |  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| 1,8-cineole   | 1037 1.39 41.94 13.41 0.45 0.35  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| α-thujone   | 1109 - - - 25.23 0.97  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| β-thujone   | 1121 - - - 7.42 0.27   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Camphor   | 1152 0.65 16.31 19.27 - 1.56   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Cis-linalool oxide  | 1038 - - - 5.42  |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Citronellal   | 1155 - - - 27.71   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Geranyl   | 1270 - - - 19.54   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |
| Neral   | 1241 - - - 19.54   |   |  |                                     |                      |                                 |                                 |                                     |                          |                    |                           |                           |                         |                  |                    |            |                    |               |                      |             |                          |          |                          |          |                              |          |                           |          |                |             |                                      |                 |                 |                      |           |            |                     |             |                          |           |                     |             |                 |              |                 |            |                 |          |                           |             |                 |                |                       |                |                      |       |                            |                    |          |             |                                 |           |                       |           |                      |         |                              |                    |                 |             |                  |         |                  |            |                  |          |      |                  |                  |          |      |      |       |                        |             |      |      |       |                   |             |      |      |          |                   |          |      |      |           |            |          |      |      |               |              |           |      |      |       |                   |          |      |               |            |             |          |      |      |             |                 |          |               |      |       |                        |           |      |      |          |   |   |   |   |     |   |   |   |   |   |            |   |    |     |     |   |     |   |    |          |   |   |     |     |   |     |    |   |           |   |    |     |     |    |     |    |    |           |     |     |   |      |     |   |     |     |                    |   |   |     |   |   |     |   |   |          |     |     |     |     |     |    |     |     |          |     |     |   |     |     |   |     |     |           |     |      |     |     |     |    |     |      |             |   |   |      |   |   |   |   |   |                   |     |   |   |     |     |   |   |     |                 |     |     |     |     |     |   |     |     |          |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                     |     |     |   |   |     |   |     |     |            |     |     |     |     |     |   |     |     |         |     |     |   |     |     |   |     |     |                        |   |     |   |     |   |   |     |     |             |     |     |   |     |     |   |     |     |              |     |     |   |      |     |   |     |     |           |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |           |      |      |   |   |      |   |    |      |                  |   |     |   |   |   |   |   |     |              |   |     |     |   |   |   |   |     |            |     |     |   |     |     |   |      |     |            |     |     |    |     |     |   |     |     |            |   |     |   |     |   |   |     |     |          |     |     |   |     |     |   |     |     |              |     |     |   |     |     |   |     |     |           |     |     |   |     |     |   |     |     |                         |   |     |   |     |   |   |     |     |                         |      |   |   |   |      |   |    |   |          |     |   |   |   |     |   |   |   |          |     |     |   |     |     |   |      |     |             |     |     |   |   |     |   |   |   |           |     |     |   |     |     |   |   |     |                      |     |   |   |   |     |   |   |   |  |  |

| URL   | Title   | Table Link  | Table Pic (top)  | Table Header         | Table footer                                    |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
|---|---|---|--|----------------------|---|--------------------|---|---|---|---|--|--|----------------------|------------|----------|-------------------------|---------|-------------|--|------|--------------|------------|------|-------------------------|-------------------|---------|--|------------|------|-----|-------|-------------------------|----------------------|----------|--|------------|------|----|-----------|---------------------------|---------|------------|---|--------------------|----------------|--------------|-------|-------------------------------------|------------|------------|---|--------------------|----------------|----|-------|--------------------------------|------------------|---------|---|--------------------|-----------------|------|-----------|--------------|---------|---------|---|--------------------|----------------------------|------------|-----------|-------------------|---------|---------------------|---|----------|-----------|------------|-------|-------------------------------|--------------------|----------|---|------------|------------|-----|---------------------|---------------------------------|---------|---------|---|--------------------|-----------------|----------|------------|------------------------------|---------|------------|---|----------|-----------|------------|-------|----------------------------------|------------|-----------|---|------|-----------------|-----|--------------|-------------------------------|------------|---------|---|-------------|-----------------|----------|------------|------------------------|------|---------|--|----------|-------|------------|-----------|-------------------------------|-----------------|----------------|---|---------|-----------|-----------|------------|-----------------|--------------|---------|--|-----------|---------------------|----------|-------|---------------------|---------|---------|--|------------|-------|--|--|-----|-------------------|----------|------------|-----|------|--------------|--------------|----------|-----------|-----------|-----|-----|---------------|----------|-------|-----------|-----------|-----|------------|-------------|-------|------|------|------------|-----------|----------|-----------|------|------|------------|------------|----------|-------|-------------|------|------|-------------|------------|-------|------|-------------|-----|-------------|------------|------------|-------|------|------------|------------|----------|------------|------------|-------|-----|--------------------------|----------|-------|------|------|-----|----------|-------------------------|-------|---|-----|-----|--|--|----------------------------|----|--|-----|------|--|--|---------------------------|----|--|-----|------|--|--|------------|----|--|------|-----|--|--|--------------------|----|--|-----|-----|--|--|-------|--|--|------|------|--|--|---|---|
| <a href="https://europepmc.org/article/MED/35336701">https://europepmc.org/article/MED/35336701</a>                               | Wild-Grown and Cultivated <i>Glechoma hederacea</i> L.: Chemical Composition and Potential for Cultivation in Organic Farming Conditions.   | <a href="https://europepmc.org/articles/PMC8949430/table/plants-11-00819-t002/">https://europepmc.org/articles/PMC8949430/table/plants-11-00819-t002/</a> | <p><b>Table 2</b><br/>Phytocomponents identified in the 70% ethanol extracts of <i>G. hederacea</i>.</p> <table border="1"> <thead> <tr> <th rowspan="2">Peak</th> <th rowspan="2">RT, min</th> <th rowspan="2">Compound</th> <th colspan="2">Characteristic Ions, m/z</th> <th rowspan="2">Calculated Elemental Composition <sup>2</sup></th> <th rowspan="2">HRMS-MS/MS Fragments (ESI<sup>1</sup>), m/z</th> <th rowspan="2">Parent Scan of Glycone Fragment <sup>3</sup> (ESI<sup>1</sup>), Ion, m/z</th> </tr> <tr> <th>[M + H]<sup>+</sup></th> <th>[M - H]<sup>-</sup></th> </tr> </thead> <tbody> <tr><td>1</td><td>6, 2</td><td>Chlorogenic acid isomer</td><td>355.103</td><td>353.085</td><td>C<sub>16</sub>H<sub>18</sub>O<sub>9</sub></td><td>-</td><td>-</td></tr> <tr><td>2</td><td>9, 0</td><td><b>Chlorogenic acid</b></td><td>355.103</td><td>353.085</td><td>C<sub>16</sub>H<sub>18</sub>O<sub>9</sub></td><td>-</td><td>-</td></tr> <tr><td>3</td><td>10, 0</td><td>Chlorogenic acid isomer</td><td>355.103</td><td>353.085</td><td>C<sub>16</sub>H<sub>18</sub>O<sub>9</sub></td><td>-</td><td>-</td></tr> <tr><td>4</td><td>11, 1</td><td>Quercetin 3-O-diglucoside</td><td>627.153</td><td>625.138</td><td>C<sub>27</sub>H<sub>30</sub>O<sub>17</sub></td><td>465.100<br/>303.049</td><td>627, 465 (303)</td></tr> <tr><td>5</td><td>15, 1</td><td>Quercetin 3-O-galactosyl-rhamnoside</td><td>611.159</td><td>609.142</td><td>C<sub>27</sub>H<sub>30</sub>O<sub>16</sub></td><td>449.108<br/>303.050</td><td>611, 449 (303)</td></tr> <tr><td>6</td><td>16, 5</td><td>Acylated quercetin diglycoside</td><td>755.202</td><td>753.185</td><td>C<sub>33</sub>H<sub>38</sub>O<sub>20</sub></td><td>449.106<br/>303.049</td><td>755, 449, (303)</td></tr> <tr><td>7</td><td>16, 9</td><td><b>Rutin</b></td><td>611.157</td><td>609.143</td><td>C<sub>27</sub>H<sub>30</sub>O<sub>16</sub></td><td>465.102<br/>303.049</td><td>611, 465, (303)</td></tr> <tr><td>8</td><td>17, 2</td><td><b>Hyperoside</b></td><td>465.102</td><td>463.085</td><td>C<sub>21</sub>H<sub>20</sub>O<sub>12</sub></td><td>303.049</td><td>465 (303)</td></tr> <tr><td>9</td><td>17, 6</td><td><b>Luteolin 7-O-glucoside</b></td><td>449.107</td><td>447.089</td><td>C<sub>21</sub>H<sub>20</sub>O<sub>11</sub></td><td>287.054</td><td>449 (287)</td></tr> <tr><td>10</td><td>18, 0</td><td>Acylated kaempferol diglycoside</td><td>739.207</td><td>737.190</td><td>C<sub>33</sub>H<sub>38</sub>O<sub>19</sub></td><td>433.113<br/>287.054</td><td>739, 433, (287)</td></tr> <tr><td>11</td><td>18, 5</td><td>Acylated quercetin glycoside</td><td>609.145</td><td>607.127</td><td>C<sub>27</sub>H<sub>28</sub>O<sub>16</sub></td><td>303.049</td><td>609 (303)</td></tr> <tr><td>12</td><td>18, 5</td><td><b>Kaempferol 3-O-rutinoside</b></td><td>595.163</td><td>593.331</td><td>C<sub>27</sub>H<sub>30</sub>O<sub>15</sub></td><td>-</td><td>595 (287)</td></tr> <tr><td>13</td><td>19, 5</td><td><b>Apigenin 7-O-glucoside</b></td><td>433.113</td><td>431.096</td><td>C<sub>21</sub>H<sub>20</sub>O<sub>10</sub></td><td>271.059</td><td>433 (271)</td></tr> <tr><td>14</td><td>20, 1</td><td><b>Rosmarinic acid</b></td><td>-</td><td>359.075</td><td>C<sub>18</sub>H<sub>16</sub>O<sub>8</sub></td><td>-</td><td>-</td></tr> <tr><td>15</td><td>20, 3</td><td>Acylated kaempferol glycoside</td><td>593.146</td><td>591.133</td><td>C<sub>27</sub>H<sub>28</sub>O<sub>15</sub></td><td>287.056</td><td>(287)</td></tr> <tr><td>16</td><td>22, 7</td><td><b>Luteolin</b></td><td>287.054</td><td>285.040</td><td>C<sub>15</sub>H<sub>10</sub>O<sub>6</sub></td><td>-</td><td>-</td></tr> <tr><td>17</td><td>25, 2</td><td><b>Apigenin</b></td><td>271.058</td><td>269.045</td><td>C<sub>15</sub>H<sub>10</sub>O<sub>5</sub></td><td>-</td><td>-</td></tr> </tbody> </table> <p><sup>1</sup> HRMS data, <sup>2</sup> mass difference within <math>\pm 5</math> mDa, <sup>3</sup> m/z of aglycone fragment in brackets, <b>bold</b>—identified by comparison to reference compounds.</p>   | Peak                 | RT, min   | Compound           | Characteristic Ions, m/z                      |   | Calculated Elemental Composition <sup>2</sup> | HRMS-MS/MS Fragments (ESI <sup>1</sup> ), m/z | Parent Scan of Glycone Fragment <sup>3</sup> (ESI <sup>1</sup> ), Ion, m/z | [M + H] <sup>+</sup>   | [M - H] <sup>-</sup> | 1          | 6, 2     | Chlorogenic acid isomer | 355.103 | 353.085     | C <sub>16</sub> H <sub>18</sub> O <sub>9</sub> | -    | -            | 2          | 9, 0 | <b>Chlorogenic acid</b> | 355.103           | 353.085 | C <sub>16</sub> H <sub>18</sub> O <sub>9</sub> | -          | -    | 3   | 10, 0 | Chlorogenic acid isomer | 355.103              | 353.085  | C <sub>16</sub> H <sub>18</sub> O <sub>9</sub> | -          | -    | 4  | 11, 1     | Quercetin 3-O-diglucoside | 627.153 | 625.138    | C <sub>27</sub> H <sub>30</sub> O <sub>17</sub> | 465.100<br>303.049 | 627, 465 (303) | 5            | 15, 1 | Quercetin 3-O-galactosyl-rhamnoside | 611.159    | 609.142    | C <sub>27</sub> H <sub>30</sub> O <sub>16</sub> | 449.108<br>303.050 | 611, 449 (303) | 6  | 16, 5 | Acylated quercetin diglycoside | 755.202          | 753.185 | C <sub>33</sub> H <sub>38</sub> O <sub>20</sub> | 449.106<br>303.049 | 755, 449, (303) | 7    | 16, 9     | <b>Rutin</b> | 611.157 | 609.143 | C <sub>27</sub> H <sub>30</sub> O <sub>16</sub> | 465.102<br>303.049 | 611, 465, (303)            | 8          | 17, 2     | <b>Hyperoside</b> | 465.102 | 463.085             | C <sub>21</sub> H <sub>20</sub> O <sub>12</sub> | 303.049  | 465 (303) | 9          | 17, 6 | <b>Luteolin 7-O-glucoside</b> | 449.107            | 447.089  | C <sub>21</sub> H <sub>20</sub> O <sub>11</sub> | 287.054    | 449 (287)  | 10  | 18, 0               | Acylated kaempferol diglycoside | 739.207 | 737.190 | C <sub>33</sub> H <sub>38</sub> O <sub>19</sub> | 433.113<br>287.054 | 739, 433, (287) | 11       | 18, 5      | Acylated quercetin glycoside | 609.145 | 607.127    | C <sub>27</sub> H <sub>28</sub> O <sub>16</sub> | 303.049  | 609 (303) | 12         | 18, 5 | <b>Kaempferol 3-O-rutinoside</b> | 595.163    | 593.331   | C <sub>27</sub> H <sub>30</sub> O <sub>15</sub> | -    | 595 (287)       | 13  | 19, 5        | <b>Apigenin 7-O-glucoside</b> | 433.113    | 431.096 | C <sub>21</sub> H <sub>20</sub> O <sub>10</sub> | 271.059     | 433 (271)       | 14       | 20, 1      | <b>Rosmarinic acid</b> | -    | 359.075 | C <sub>18</sub> H <sub>16</sub> O <sub>8</sub> | -        | -     | 15         | 20, 3     | Acylated kaempferol glycoside | 593.146         | 591.133        | C <sub>27</sub> H <sub>28</sub> O <sub>15</sub> | 287.056 | (287)     | 16        | 22, 7      | <b>Luteolin</b> | 287.054      | 285.040 | C <sub>15</sub> H <sub>10</sub> O <sub>6</sub> | -         | -                   | 17       | 25, 2 | <b>Apigenin</b>     | 271.058 | 269.045 | C <sub>15</sub> H <sub>10</sub> O <sub>5</sub> | -          | -     | <p><b>Table 2</b><br/>Phytocomponents identified in the 70% ethanol extracts of <i>G. hederacea</i>.</p> | <p><sup>1</sup> HRMS data, <sup>2</sup> mass difference within <math>\pm 5</math> mDa, <sup>3</sup> m/z of aglycone fragment in brackets, <b>bold</b>—identified by comparison to reference compounds.</p> |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Peak  | RT, min   | Compound  | Characteristic Ions, m/z   |                      |   |                    | Calculated Elemental Composition <sup>2</sup> | HRMS-MS/MS Fragments (ESI <sup>1</sup> ), m/z |   |   |  | Parent Scan of Glycone Fragment <sup>3</sup> (ESI <sup>1</sup> ), Ion, m/z |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
|   |   |   | [M + H] <sup>+</sup>   | [M - H] <sup>-</sup> |   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 1   | 6, 2  | Chlorogenic acid isomer   | 355.103  | 353.085              | C <sub>16</sub> H <sub>18</sub> O <sub>9</sub>  | -                  | -   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 2   | 9, 0  | <b>Chlorogenic acid</b>   | 355.103  | 353.085              | C <sub>16</sub> H <sub>18</sub> O <sub>9</sub>  | -                  | -   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 3   | 10, 0   | Chlorogenic acid isomer   | 355.103  | 353.085              | C <sub>16</sub> H <sub>18</sub> O <sub>9</sub>  | -                  | -   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 4   | 11, 1   | Quercetin 3-O-diglucoside   | 627.153  | 625.138              | C <sub>27</sub> H <sub>30</sub> O <sub>17</sub> | 465.100<br>303.049 | 627, 465 (303)                                |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 5   | 15, 1   | Quercetin 3-O-galactosyl-rhamnoside   | 611.159  | 609.142              | C <sub>27</sub> H <sub>30</sub> O <sub>16</sub> | 449.108<br>303.050 | 611, 449 (303)                                |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 6   | 16, 5   | Acylated quercetin diglycoside  | 755.202  | 753.185              | C <sub>33</sub> H <sub>38</sub> O <sub>20</sub> | 449.106<br>303.049 | 755, 449, (303)                               |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 7   | 16, 9   | <b>Rutin</b>  | 611.157  | 609.143              | C <sub>27</sub> H <sub>30</sub> O <sub>16</sub> | 465.102<br>303.049 | 611, 465, (303)                               |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 8   | 17, 2   | <b>Hyperoside</b>   | 465.102  | 463.085              | C <sub>21</sub> H <sub>20</sub> O <sub>12</sub> | 303.049            | 465 (303)                                     |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 9   | 17, 6   | <b>Luteolin 7-O-glucoside</b>   | 449.107  | 447.089              | C <sub>21</sub> H <sub>20</sub> O <sub>11</sub> | 287.054            | 449 (287)                                     |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 10  | 18, 0   | Acylated kaempferol diglycoside   | 739.207  | 737.190              | C <sub>33</sub> H <sub>38</sub> O <sub>19</sub> | 433.113<br>287.054 | 739, 433, (287)                               |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 11  | 18, 5   | Acylated quercetin glycoside  | 609.145  | 607.127              | C <sub>27</sub> H <sub>28</sub> O <sub>16</sub> | 303.049            | 609 (303)                                     |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 12  | 18, 5   | <b>Kaempferol 3-O-rutinoside</b>  | 595.163  | 593.331              | C <sub>27</sub> H <sub>30</sub> O <sub>15</sub> | -                  | 595 (287)                                     |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 13  | 19, 5   | <b>Apigenin 7-O-glucoside</b>   | 433.113  | 431.096              | C <sub>21</sub> H <sub>20</sub> O <sub>10</sub> | 271.059            | 433 (271)                                     |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 14  | 20, 1   | <b>Rosmarinic acid</b>  | -  | 359.075              | C <sub>18</sub> H <sub>16</sub> O <sub>8</sub>  | -                  | -   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 15  | 20, 3   | Acylated kaempferol glycoside   | 593.146  | 591.133              | C <sub>27</sub> H <sub>28</sub> O <sub>15</sub> | 287.056            | (287)   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 16  | 22, 7   | <b>Luteolin</b>   | 287.054  | 285.040              | C <sub>15</sub> H <sub>10</sub> O <sub>6</sub>  | -                  | -   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 17  | 25, 2   | <b>Apigenin</b>   | 271.058  | 269.045              | C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>  | -                  | -   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| <a href="https://europepmc.org/article/MED/35448753#free-full-text">https://europepmc.org/article/MED/35448753#free-full-text</a> | Essential Oils and Extracts of <i>Juniperus macrocarpa</i> Sm. and <i>Juniperus oxycedrus</i> L.: Comparative Phytochemical Composition and Anti-Proliferative and Antioxidant Activities | <a href="https://europepmc.org/articles/PMC9031627/table/plants-11-01025-t001/">https://europepmc.org/articles/PMC9031627/table/plants-11-01025-t001/</a> | <p><b>Table 1</b><br/>The main identified constituents of <i>J. macrocarpa</i> and <i>J. oxycedrus</i> essential oils</p> <table border="1"> <tbody> <tr><td>(-)Carvone</td><td>om</td><td>1242</td><td>0.2 ± 0.03</td><td>n.d.</td><td>1.2</td><td>*</td></tr> <tr><td>Piperitone</td><td>om</td><td>1254</td><td>0.2 ± 0.02</td><td>n.d.</td><td>1.2</td><td>*</td></tr> <tr><td>Phellandral</td><td>om</td><td>1281</td><td>0.3 ± 0.02</td><td>0.2 ± 0.01</td><td>1.2</td><td>ns</td></tr> <tr><td>(-)Bornyl acetate</td><td>om</td><td>1286</td><td>0.2 ± 0.01</td><td>n.d.</td><td>1.2</td><td>*</td></tr> <tr><td>α-Cubebene</td><td>sh</td><td>1352</td><td>0.2 ± 0.01</td><td>0.5 ± 0.01</td><td>1.2</td><td>ns</td></tr> <tr><td>α-Copaene</td><td>sh</td><td>1377</td><td>0.2 ± 0.02</td><td>0.3 ± 0.02</td><td>1.2</td><td>ns</td></tr> <tr><td>β-Bourbonene</td><td>sh</td><td>1385</td><td>0.3 ± 0.02</td><td>0.9 ± 0.02</td><td>1.2</td><td>**</td></tr> <tr><td>β-Cubebene</td><td>sh</td><td>1387</td><td>1.8 ± 0.6</td><td>n.d.</td><td>1.2</td><td>**</td></tr> <tr><td>α-Gurjunene</td><td>sh</td><td>1407</td><td>n.d.</td><td>1.1 ± 0.04</td><td>1.2</td><td>**</td></tr> <tr><td>trans-Caryophyllene</td><td>sh</td><td>1415</td><td>0.2 ± 0.01</td><td>2.0 ± 0.2</td><td>1.2,3</td><td>**</td></tr> <tr><td>trans-α-Bergamotene</td><td>sh</td><td>1438</td><td>n.d.</td><td>0.4 ± 0.01</td><td>1.2</td><td>**</td></tr> <tr><td>α-Humulene</td><td>sh</td><td>1455</td><td>0.2 ± 0.01</td><td>1.5 ± 0.08</td><td>1.2</td><td>**</td></tr> <tr><td>Germacrene D</td><td>sh</td><td>1477</td><td>4.5 ± 0.03</td><td>2.0 ± 0.07</td><td>1.2</td><td>**</td></tr> <tr><td>γ-Cadinene</td><td>sh</td><td>1515</td><td>0.2 ± 0.01</td><td>5.4 ± 0.6</td><td>1.2</td><td>**</td></tr> <tr><td>8-Cadinene</td><td>sh</td><td>1526</td><td>0.4 ± 0.01</td><td>2.7 ± 0.6</td><td>1.2</td><td>**</td></tr> <tr><td>(E)-β-Farnesene</td><td>sh</td><td>1452</td><td>0.4 ± 0.02</td><td>0.7 ± 0.01</td><td>1.2</td><td>**</td></tr> <tr><td>α-Muurolene</td><td>sh</td><td>1500</td><td>0.3 ± 0.01</td><td>0.4 ± 0.01</td><td>1.2</td><td>ns</td></tr> <tr><td>Caryophyllene oxide</td><td>os</td><td>1580</td><td>0.9 ± 0.04</td><td>3.8 ± 0.5</td><td>1.2</td><td>**</td></tr> <tr><td>(Z,E)-Farnesol</td><td>os</td><td>1722</td><td>2.8 ± 0.2</td><td>6.5 ± 0.8</td><td>1.2,3</td><td>**</td></tr> <tr><td>Manoyl oxide</td><td>di</td><td>1989</td><td>6.6 ± 0.6</td><td>2.4 ± 0.4</td><td>1.2</td><td>**</td></tr> <tr><td>13-epi-Manoyl oxide</td><td>di</td><td>1994</td><td>0.6 ± 0.2</td><td>0.6 ± 0.02</td><td>1.2</td><td>ns</td></tr> <tr><td>(Z)-Phytol</td><td>di</td><td>1950</td><td>n.d.</td><td>0.5 ± 0.01</td><td>1.2</td><td>**</td></tr> <tr><td>Abietatriene</td><td>di</td><td>2054</td><td>2.9 ± 0.7</td><td>2.6 ± 0.3</td><td>1.2</td><td>*</td></tr> <tr><td>Abietadiene</td><td>di</td><td>2080</td><td>1.8 ± 0.6</td><td>1.7 ± 0.3</td><td>1.2</td><td>ns</td></tr> <tr><td>Heneicosane</td><td>oc</td><td>2100</td><td>n.d.</td><td>0.2 ± 0.02</td><td>1.2,3</td><td>*</td></tr> <tr><td>Tricosane</td><td>oc</td><td>2300</td><td>0.3 ± 0.02</td><td>0.2 ± 0.01</td><td>1.2,3</td><td>ns</td></tr> <tr><td>Pentacosane</td><td>oc</td><td>2500</td><td>0.2 ± 0.01</td><td>0.5 ± 0.01</td><td>1.2,3</td><td>*</td></tr> <tr><td>Heptacosane</td><td>oc</td><td>2700</td><td>0.4 ± 0.01</td><td>0.5 ± 0.02</td><td>1.2,3</td><td>ns</td></tr> <tr><td>Nonacosane</td><td>oc</td><td>2900</td><td>0.4 ± 0.03</td><td>0.3 ± 0.01</td><td>1.2,3</td><td>ns</td></tr> <tr><td>Monoterpene hydrocarbons</td><td>mh</td><td></td><td>57.8</td><td>57.5</td><td></td><td></td></tr> <tr><td>Oxygenated monoterpenes</td><td>om</td><td></td><td>6.5</td><td>1.2</td><td></td><td></td></tr> <tr><td>Sesquiterpene hydrocarbons</td><td>sh</td><td></td><td>8.7</td><td>17.9</td><td></td><td></td></tr> <tr><td>Oxygenated sesquiterpenes</td><td>os</td><td></td><td>3.7</td><td>10.3</td><td></td><td></td></tr> <tr><td>Diterpenes</td><td>di</td><td></td><td>11.9</td><td>7.8</td><td></td><td></td></tr> <tr><td>Other constituents</td><td>oc</td><td></td><td>1.6</td><td>2.3</td><td></td><td></td></tr> <tr><td>Total</td><td></td><td></td><td>90.2</td><td>97.0</td><td></td><td></td></tr> </tbody> </table> | (-)Carvone           | om  | 1242               | 0.2 ± 0.03                                    | n.d.  | 1.2   | *   | Piperitone   | om   | 1254                 | 0.2 ± 0.02 | n.d.     | 1.2                     | *       | Phellandral | om   | 1281 | 0.3 ± 0.02   | 0.2 ± 0.01 | 1.2  | ns                      | (-)Bornyl acetate | om      | 1286   | 0.2 ± 0.01 | n.d. | 1.2 | *     | α-Cubebene              | sh                   | 1352     | 0.2 ± 0.01                                     | 0.5 ± 0.01 | 1.2  | ns | α-Copaene | sh                        | 1377    | 0.2 ± 0.02 | 0.3 ± 0.02                                      | 1.2                | ns             | β-Bourbonene | sh    | 1385                                | 0.3 ± 0.02 | 0.9 ± 0.02 | 1.2   | **                 | β-Cubebene     | sh | 1387  | 1.8 ± 0.6                      | n.d.             | 1.2     | **  | α-Gurjunene        | sh              | 1407 | n.d.      | 1.1 ± 0.04   | 1.2     | **      | trans-Caryophyllene                             | sh                 | 1415                       | 0.2 ± 0.01 | 2.0 ± 0.2 | 1.2,3             | **      | trans-α-Bergamotene | sh  | 1438     | n.d.      | 0.4 ± 0.01 | 1.2   | **                            | α-Humulene         | sh       | 1455  | 0.2 ± 0.01 | 1.5 ± 0.08 | 1.2 | **                  | Germacrene D                    | sh      | 1477    | 4.5 ± 0.03                                      | 2.0 ± 0.07         | 1.2             | **       | γ-Cadinene | sh                           | 1515    | 0.2 ± 0.01 | 5.4 ± 0.6                                       | 1.2      | **        | 8-Cadinene | sh    | 1526                             | 0.4 ± 0.01 | 2.7 ± 0.6 | 1.2   | **   | (E)-β-Farnesene | sh  | 1452         | 0.4 ± 0.02                    | 0.7 ± 0.01 | 1.2     | **  | α-Muurolene | sh              | 1500     | 0.3 ± 0.01 | 0.4 ± 0.01             | 1.2  | ns      | Caryophyllene oxide                            | os       | 1580  | 0.9 ± 0.04 | 3.8 ± 0.5 | 1.2                           | **              | (Z,E)-Farnesol | os  | 1722    | 2.8 ± 0.2 | 6.5 ± 0.8 | 1.2,3      | **              | Manoyl oxide | di      | 1989   | 6.6 ± 0.6 | 2.4 ± 0.4           | 1.2      | **    | 13-epi-Manoyl oxide | di      | 1994    | 0.6 ± 0.2                                      | 0.6 ± 0.02 | 1.2   | ns   | (Z)-Phytol   | di  | 1950              | n.d.     | 0.5 ± 0.01 | 1.2 | **   | Abietatriene | di           | 2054     | 2.9 ± 0.7 | 2.6 ± 0.3 | 1.2 | *   | Abietadiene   | di       | 2080  | 1.8 ± 0.6 | 1.7 ± 0.3 | 1.2 | ns         | Heneicosane | oc    | 2100 | n.d. | 0.2 ± 0.02 | 1.2,3     | *        | Tricosane | oc   | 2300 | 0.3 ± 0.02 | 0.2 ± 0.01 | 1.2,3    | ns    | Pentacosane | oc   | 2500 | 0.2 ± 0.01  | 0.5 ± 0.01 | 1.2,3 | *    | Heptacosane | oc  | 2700        | 0.4 ± 0.01 | 0.5 ± 0.02 | 1.2,3 | ns   | Nonacosane | oc         | 2900     | 0.4 ± 0.03 | 0.3 ± 0.01 | 1.2,3 | ns  | Monoterpene hydrocarbons | mh       |       | 57.8 | 57.5 |     |          | Oxygenated monoterpenes | om    |   | 6.5 | 1.2 |  |  | Sesquiterpene hydrocarbons | sh |  | 8.7 | 17.9 |  |  | Oxygenated sesquiterpenes | os |  | 3.7 | 10.3 |  |  | Diterpenes | di |  | 11.9 | 7.8 |  |  | Other constituents | oc |  | 1.6 | 2.3 |  |  | Total |  |  | 90.2 | 97.0 |  |  | <p><b>Table 1</b><br/>The main identified constituents of <i>J. macrocarpa</i> and <i>J. oxycedrus</i> essential oils</p> | <p>Data are expressed as mean <math>\pm</math> standard deviation (S.D.) (<math>n = 3</math>). n.d.: not detected. tr: trace (<math>&lt;0.1\%</math>). <sup>a</sup> Retention Index (RI) on HP-5 MS column. <sup>b</sup> IM: identification methods: 1—comparison of retention times; 2—comparison of mass spectra with MS libraries; 3—comparison with authentic compounds. Differences were evaluated by one-way analysis of variance (ANOVA) completed with a multiple comparison Tukey's test (** <math>p &lt; 0.01</math>, * <math>p &lt; 0.05</math>). ns: not significant.</p> |
| (-)Carvone  | om  | 1242  | 0.2 ± 0.03   | n.d.                 | 1.2   | *                  |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Piperitone  | om  | 1254  | 0.2 ± 0.02   | n.d.                 | 1.2   | *                  |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Phellandral   | om  | 1281  | 0.3 ± 0.02   | 0.2 ± 0.01           | 1.2   | ns                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| (-)Bornyl acetate   | om  | 1286  | 0.2 ± 0.01   | n.d.                 | 1.2   | *                  |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| α-Cubebene  | sh  | 1352  | 0.2 ± 0.01   | 0.5 ± 0.01           | 1.2   | ns                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| α-Copaene   | sh  | 1377  | 0.2 ± 0.02   | 0.3 ± 0.02           | 1.2   | ns                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| β-Bourbonene  | sh  | 1385  | 0.3 ± 0.02   | 0.9 ± 0.02           | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| β-Cubebene  | sh  | 1387  | 1.8 ± 0.6  | n.d.                 | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| α-Gurjunene   | sh  | 1407  | n.d.   | 1.1 ± 0.04           | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| trans-Caryophyllene   | sh  | 1415  | 0.2 ± 0.01   | 2.0 ± 0.2            | 1.2,3   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| trans-α-Bergamotene   | sh  | 1438  | n.d.   | 0.4 ± 0.01           | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| α-Humulene  | sh  | 1455  | 0.2 ± 0.01   | 1.5 ± 0.08           | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Germacrene D  | sh  | 1477  | 4.5 ± 0.03   | 2.0 ± 0.07           | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| γ-Cadinene  | sh  | 1515  | 0.2 ± 0.01   | 5.4 ± 0.6            | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 8-Cadinene  | sh  | 1526  | 0.4 ± 0.01   | 2.7 ± 0.6            | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| (E)-β-Farnesene   | sh  | 1452  | 0.4 ± 0.02   | 0.7 ± 0.01           | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| α-Muurolene   | sh  | 1500  | 0.3 ± 0.01   | 0.4 ± 0.01           | 1.2   | ns                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Caryophyllene oxide   | os  | 1580  | 0.9 ± 0.04   | 3.8 ± 0.5            | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| (Z,E)-Farnesol  | os  | 1722  | 2.8 ± 0.2  | 6.5 ± 0.8            | 1.2,3   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Manoyl oxide  | di  | 1989  | 6.6 ± 0.6  | 2.4 ± 0.4            | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 13-epi-Manoyl oxide   | di  | 1994  | 0.6 ± 0.2  | 0.6 ± 0.02           | 1.2   | ns                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| (Z)-Phytol  | di  | 1950  | n.d.   | 0.5 ± 0.01           | 1.2   | **                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Abietatriene  | di  | 2054  | 2.9 ± 0.7  | 2.6 ± 0.3            | 1.2   | *                  |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Abietadiene   | di  | 2080  | 1.8 ± 0.6  | 1.7 ± 0.3            | 1.2   | ns                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Heneicosane   | oc  | 2100  | n.d.   | 0.2 ± 0.02           | 1.2,3   | *                  |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Tricosane   | oc  | 2300  | 0.3 ± 0.02   | 0.2 ± 0.01           | 1.2,3   | ns                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Pentacosane   | oc  | 2500  | 0.2 ± 0.01   | 0.5 ± 0.01           | 1.2,3   | *                  |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Heptacosane   | oc  | 2700  | 0.4 ± 0.01   | 0.5 ± 0.02           | 1.2,3   | ns                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Nonacosane  | oc  | 2900  | 0.4 ± 0.03   | 0.3 ± 0.01           | 1.2,3   | ns                 |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Monoterpene hydrocarbons  | mh  |   | 57.8   | 57.5                 |   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Oxygenated monoterpenes   | om  |   | 6.5  | 1.2                  |   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Sesquiterpene hydrocarbons  | sh  |   | 8.7  | 17.9                 |   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Oxygenated sesquiterpenes   | os  |   | 3.7  | 10.3                 |   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Diterpenes  | di  |   | 11.9   | 7.8                  |   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Other constituents  | oc  |   | 1.6  | 2.3                  |   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| Total   |   |   | 90.2   | 97.0                 |   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| <a href="https://europepmc.org/article/MED/35721323#free-full-text">https://europepmc.org/article/MED/35721323#free-full-text</a> | Chemical Composition, Antioxidant, and Mosquito Larvicidal Activity of Essential Oils from <i>Hyptis capitata</i> Jacq.   | <a href="https://europepmc.org/articles/PMC9205432/table/t001/">https://europepmc.org/articles/PMC9205432/table/t001/</a>                                 | <p><b>Table 1</b><br/>Composition of Essential Oils of Inflorescence and Leaf of <i>H. capitata</i></p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Compounds</th> <th>RI</th> <th>RI<sup>L</sup></th> <th>Content %</th> </tr> <tr> <th></th> <th></th> <th></th> <th>Leaf Oil</th> <th>Inflorescence Oil</th> </tr> </thead> <tbody> <tr><td>1.</td><td>α-Pinene</td><td>931.86</td><td>932</td><td>-</td><td>0.4</td></tr> <tr><td>2.</td><td>1-Octen-3-ol</td><td>975.60</td><td>974</td><td>34.08</td><td>6.46</td></tr> <tr><td>3.</td><td>3-Octanol</td><td>995.74</td><td>988</td><td>-</td><td>0.19</td></tr> <tr><td>4.</td><td>Benzene acetaldehyde</td><td>1,039.20</td><td>1,036</td><td>-</td><td>0.54</td></tr> <tr><td>5.</td><td>n-Octanol</td><td>1,067.89</td><td>1,063</td><td>-</td><td>0.65</td></tr> <tr><td>6.</td><td>Linalool</td><td>1,098.58</td><td>1,095</td><td>-</td><td>6.99</td></tr> <tr><td>7.</td><td>n-Nonanal</td><td>1,103.17</td><td>1,100</td><td>-</td><td>0.87</td></tr> <tr><td>8.</td><td>Hexenylbutanoate</td><td>1,191</td><td>1,193</td><td>-</td><td>0.24</td></tr> <tr><td>9.</td><td>n-Decanol</td><td>1,203.97</td><td>1,201</td><td>-</td><td>3.53</td></tr> <tr><td>10.</td><td>Hexenyl 2-methyl butanoate</td><td>1,228.50</td><td>1,232</td><td>-</td><td>0.4</td></tr> <tr><td>11.</td><td>Hexyl-2 methyl butanoate</td><td>1,233.87</td><td>1,233</td><td>-</td><td>1.29</td></tr> <tr><td>12.</td><td>Hexenylisovalerate</td><td>1,240.18</td><td>1,241</td><td>-</td><td>0.35</td></tr> <tr><td>13.</td><td>Methyl citronellate</td><td>1,265.65</td><td>1,257</td><td>2.57</td><td>0.89</td></tr> <tr><td>14.</td><td>n-Decanol</td><td>1,270.56</td><td>1,266</td><td>-</td><td>0.3</td></tr> <tr><td>15.</td><td>Longicyclene</td><td>1,365.80</td><td>1,371</td><td>-</td><td>0.88</td></tr> <tr><td>16.</td><td>α-Copaene</td><td>1,372.17</td><td>1,374</td><td>2.07</td><td>3.05</td></tr> <tr><td>17.</td><td>β-Bourbonene</td><td>1,379.71</td><td>1,387</td><td>0.88</td><td>-</td></tr> <tr><td>18.</td><td>β-Caryophyllene</td><td>1,414.56</td><td>1,417</td><td>5.24</td><td>3.48</td></tr> <tr><td>19.</td><td>n-Octyl-2-methylbutanoate</td><td>1,431.06</td><td>1,431</td><td>-</td><td>4.53</td></tr> <tr><td>20.</td><td>Prenyl limonene</td><td>1,444.41</td><td>1,443</td><td>0.97</td><td>3.16</td></tr> <tr><td>21.</td><td>α-Humulene</td><td>1,449.75</td><td>1,452</td><td>0.74</td><td>1.33</td></tr> <tr><td>22.</td><td>Muurola-4(14)-diene</td><td>1,467.23</td><td>1,465</td><td>-</td><td>1.91</td></tr> <tr><td>23.</td><td>β-Acordiene</td><td>1,471.35</td><td>1,474</td><td>2.63</td><td>5.21</td></tr> <tr><td>24.</td><td>α-Neocallitropene</td><td>1,474.51</td><td>1,474</td><td>-</td><td>2.96</td></tr> <tr><td>25.</td><td>Germacrene D</td><td>1,475.48</td><td>1,480</td><td>11.16</td><td>-</td></tr> <tr><td>26.</td><td>γ-Himachalene</td><td>1,482.76</td><td>1,481</td><td>-</td><td>1.15</td></tr> <tr><td>27.</td><td>β-Selinene</td><td>1,487.37</td><td>1,489</td><td>1.08</td><td>1.18</td></tr> <tr><td>28.</td><td>β-Guaiene</td><td>1,490.04</td><td>1,492</td><td>1.34</td><td>0.41</td></tr> <tr><td>29.</td><td>δ-Selinene</td><td>1,493.68</td><td>1,493</td><td>1.9</td><td>3.21</td></tr> <tr><td>30.</td><td>α-Muurolene</td><td>1,497.81</td><td>1,500</td><td>1.19</td><td>1.62</td></tr> <tr><td>31.</td><td>δ-Amorphene</td><td>1,507.41</td><td>1,511</td><td>2.48</td><td>3.61</td></tr> <tr><td>32.</td><td>δ-Cadinene</td><td>1,513.55</td><td>1,522</td><td>7.24</td><td>14.68</td></tr> <tr><td>33.</td><td>Cubebol</td><td>1,517.39</td><td>1,514</td><td>-</td><td>1.57</td></tr> <tr><td>34.</td><td>Zonarene</td><td>1,526.85</td><td>1,528</td><td>-</td><td>1.6</td></tr> </tbody> </table> <p>Abbreviations: RI, retention index;</p>   | S. No.               | Compounds                                       | RI                 | RI <sup>L</sup>                               | Content %                                     |   |   |  | Leaf Oil   | Inflorescence Oil    | 1.         | α-Pinene | 931.86                  | 932     | -           | 0.4  | 2.   | 1-Octen-3-ol | 975.60     | 974  | 34.08                   | 6.46              | 3.      | 3-Octanol                                      | 995.74     | 988  | -   | 0.19  | 4.                      | Benzene acetaldehyde | 1,039.20 | 1,036  | -          | 0.54 | 5. | n-Octanol | 1,067.89                  | 1,063   | -          | 0.65  | 6.                 | Linalool       | 1,098.58     | 1,095 | -                                   | 6.99       | 7.         | n-Nonanal                                       | 1,103.17           | 1,100          | -  | 0.87  | 8.                             | Hexenylbutanoate | 1,191   | 1,193   | -                  | 0.24            | 9.   | n-Decanol | 1,203.97     | 1,201   | -       | 3.53  | 10.                | Hexenyl 2-methyl butanoate | 1,228.50   | 1,232     | -                 | 0.4     | 11.                 | Hexyl-2 methyl butanoate                        | 1,233.87 | 1,233     | -          | 1.29  | 12.                           | Hexenylisovalerate | 1,240.18 | 1,241   | -          | 0.35       | 13. | Methyl citronellate | 1,265.65                        | 1,257   | 2.57    | 0.89  | 14.                | n-Decanol       | 1,270.56 | 1,266      | -                            | 0.3     | 15.        | Longicyclene                                    | 1,365.80 | 1,371     | -          | 0.88  | 16.                              | α-Copaene  | 1,372.17  | 1,374   | 2.07 | 3.05            | 17. | β-Bourbonene | 1,379.71                      | 1,387      | 0.88    | -   | 18.         | β-Caryophyllene | 1,414.56 | 1,417      | 5.24                   | 3.48 | 19.     | n-Octyl-2-methylbutanoate                      | 1,431.06 | 1,431 | -          | 4.53      | 20.                           | Prenyl limonene | 1,444.41       | 1,443   | 0.97    | 3.16      | 21.       | α-Humulene | 1,449.75        | 1,452        | 0.74    | 1.33   | 22.       | Muurola-4(14)-diene | 1,467.23 | 1,465 | -                   | 1.91    | 23.     | β-Acordiene                                    | 1,471.35   | 1,474 | 2.63   | 5.21   | 24. | α-Neocallitropene | 1,474.51 | 1,474      | -   | 2.96 | 25.          | Germacrene D | 1,475.48 | 1,480     | 11.16     | -   | 26. | γ-Himachalene | 1,482.76 | 1,481 | -         | 1.15      | 27. | β-Selinene | 1,487.37    | 1,489 | 1.08 | 1.18 | 28.        | β-Guaiene | 1,490.04 | 1,492     | 1.34 | 0.41 | 29.        | δ-Selinene | 1,493.68 | 1,493 | 1.9         | 3.21 | 30.  | α-Muurolene | 1,497.81   | 1,500 | 1.19 | 1.62        | 31. | δ-Amorphene | 1,507.41   | 1,511      | 2.48  | 3.61 | 32.        | δ-Cadinene | 1,513.55 | 1,522      | 7.24       | 14.68 | 33. | Cubebol                  | 1,517.39 | 1,514 | -    | 1.57 | 34. | Zonarene | 1,526.85                | 1,528 | - | 1.6 |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| S. No.  | Compounds   | RI  | RI <sup>L</sup>  | Content %            |   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
|   |   |   | Leaf Oil   | Inflorescence Oil    |   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 1.  | α-Pinene  | 931.86  | 932  | -                    | 0.4   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 2.  | 1-Octen-3-ol  | 975.60  | 974  | 34.08                | 6.46  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 3.  | 3-Octanol   | 995.74  | 988  | -                    | 0.19  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 4.  | Benzene acetaldehyde  | 1,039.20  | 1,036  | -                    | 0.54  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 5.  | n-Octanol   | 1,067.89  | 1,063  | -                    | 0.65  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 6.  | Linalool  | 1,098.58  | 1,095  | -                    | 6.99  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 7.  | n-Nonanal   | 1,103.17  | 1,100  | -                    | 0.87  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 8.  | Hexenylbutanoate  | 1,191   | 1,193  | -                    | 0.24  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 9.  | n-Decanol   | 1,203.97  | 1,201  | -                    | 3.53  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 10.   | Hexenyl 2-methyl butanoate  | 1,228.50  | 1,232  | -                    | 0.4   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 11.   | Hexyl-2 methyl butanoate  | 1,233.87  | 1,233  | -                    | 1.29  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 12.   | Hexenylisovalerate  | 1,240.18  | 1,241  | -                    | 0.35  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 13.   | Methyl citronellate   | 1,265.65  | 1,257  | 2.57                 | 0.89  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 14.   | n-Decanol   | 1,270.56  | 1,266  | -                    | 0.3   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 15.   | Longicyclene  | 1,365.80  | 1,371  | -                    | 0.88  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 16.   | α-Copaene   | 1,372.17  | 1,374  | 2.07                 | 3.05  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 17.   | β-Bourbonene  | 1,379.71  | 1,387  | 0.88                 | -   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 18.   | β-Caryophyllene   | 1,414.56  | 1,417  | 5.24                 | 3.48  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 19.   | n-Octyl-2-methylbutanoate   | 1,431.06  | 1,431  | -                    | 4.53  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 20.   | Prenyl limonene   | 1,444.41  | 1,443  | 0.97                 | 3.16  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 21.   | α-Humulene  | 1,449.75  | 1,452  | 0.74                 | 1.33  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 22.   | Muurola-4(14)-diene   | 1,467.23  | 1,465  | -                    | 1.91  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 23.   | β-Acordiene   | 1,471.35  | 1,474  | 2.63                 | 5.21  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 24.   | α-Neocallitropene   | 1,474.51  | 1,474  | -                    | 2.96  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 25.   | Germacrene D  | 1,475.48  | 1,480  | 11.16                | -   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 26.   | γ-Himachalene   | 1,482.76  | 1,481  | -                    | 1.15  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 27.   | β-Selinene  | 1,487.37  | 1,489  | 1.08                 | 1.18  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 28.   | β-Guaiene   | 1,490.04  | 1,492  | 1.34                 | 0.41  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 29.   | δ-Selinene  | 1,493.68  | 1,493  | 1.9                  | 3.21  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 30.   | α-Muurolene   | 1,497.81  | 1,500  | 1.19                 | 1.62  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 31.   | δ-Amorphene   | 1,507.41  | 1,511  | 2.48                 | 3.61  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 32.   | δ-Cadinene  | 1,513.55  | 1,522  | 7.24                 | 14.68   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 33.   | Cubebol   | 1,517.39  | 1,514  | -                    | 1.57  |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |
| 34.   | Zonarene  | 1,526.85  | 1,528  | -                    | 1.6   |                    |   |   |   |   |  |  |                      |            |          |                         |         |             |  |      |              |            |      |                         |                   |         |  |            |      |     |       |                         |                      |          |  |            |      |    |           |                           |         |            |   |                    |                |              |       |                                     |            |            |   |                    |                |    |       |                                |                  |         |   |                    |                 |      |           |              |         |         |   |                    |                            |            |           |                   |         |                     |   |          |           |            |       |                               |                    |          |   |            |            |     |                     |                                 |         |         |   |                    |                 |          |            |                              |         |            |   |          |           |            |       |                                  |            |           |   |      |                 |     |              |                               |            |         |   |             |                 |          |            |                        |      |         |  |          |       |            |           |                               |                 |                |   |         |           |           |            |                 |              |         |  |           |                     |          |       |                     |         |         |  |            |       |  |  |     |                   |          |            |     |      |              |              |          |           |           |     |     |               |          |       |           |           |     |            |             |       |      |      |            |           |          |           |      |      |            |            |          |       |             |      |      |             |            |       |      |             |     |             |            |            |       |      |            |            |          |            |            |       |     |                          |          |       |      |      |     |          |                         |       |   |     |     |  |  |                            |    |  |     |      |  |  |                           |    |  |     |      |  |  |            |    |  |      |     |  |  |                    |    |  |     |     |  |  |       |  |  |      |      |  |  |   |   |

| URL   | Title   | Table Link  | Table Pic (top)   | Table Header                | Table footer                |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|---|---|---|---|-----------------------------|-----------------------------|------------------|-----------------------------------|------|-----------------|---------|-------------------|-------|-------|-----------|----------|-------|------------------|-----------|----------|--------|--------|---------------|--------------|------------------|-------|-------|----------------------------------|------------|----------|-------|----------------------|----------|-------|-------|-----------------------|----------------|----------|------------------|-------|--------------|----------|-------|-----|--------------------|-----------------|----------|-----------------------|------|-------------------|---------|-------|----------|------------------------|-----------------------------|------------|-------|------|---------------------|------------------|------|-------|--------------|-----------|-------|---------------------|-----------------------|-----------|----------|-------|-------|----------------|----------|-------------|--------|-------------------------|------------|----------|-------|-----------------------|---------------------|-------|-------|-----------------------|----------|-------|-------|---------------------|------------------|-------------|-------|-------|-------------------------------|----------|------------------------------------|-----------------------------|------------------|----------|-------|------|---------------------------|---------------------|-------|-------|------------|----------|-------|----------------------|-------------------------|-----------|-------|------|---|--|------|-------------|------|------|-------|---------|------|------|-------------|------|-------|-------------|------|------|------|-----------|-------|---------------|------|------|------|------|---------------------|----------|------|------|------|------|-------|-------------------|------|------|-------|------|-------|---------------------|------------------|------|------|------|-------|---------------------------|------|----------|------|------|-------|--------------------|------|------|---------|------|-------|---------------|------|------|------|------------------|-------|--------------------|------|------|------|------|-------------------|--------------------|------|------|------|------|-------|--|------|------|------|------|-------|---------------------|---------------|------|------|------|-------|--------------------------|------|--|------|------|--|--|--|------|------------------|---|---|-------|---|----|------|---------|---|---|------|---|----|------|--------------------|---|---|------|---|----|------|-------------------|---|---|---|------|----|------|---------------------|---|---|---|------|----|------|--------------|---|---|---|------|----|------|---------------|------|---|---|------|--|--|---|
| <a href="https://europepmc.org/article/MED/35807578#free-full-text">https://europepmc.org/article/MED/35807578#free-full-text</a> | Chemical Diversity and Anti-Insect Activity Evaluation of Essential Oils Extracted from Five Artemisia Species.   | <a href="https://europepmc.org/articles/PMC9269011/table/plants-11-01627-t001/">https://europepmc.org/articles/PMC9269011/table/plants-11-01627-t001/</a>       | <p><b>Table 1</b><br/>Chemical composition of essential oils extracted from the five <i>Artemisia</i> species.</p> <table border="1"> <thead> <tr> <th rowspan="2">No.</th> <th rowspan="2">R<sub>1</sub><sup>1</sup></th> <th rowspan="2">Compound</th> <th colspan="4">Relative Content (%)<sup>2</sup></th> </tr> <tr> <th>AD</th> <th>AG</th> <th>AS</th> <th>AC</th> </tr> </thead> <tbody> <tr><td>1</td><td>800</td><td>Octane</td><td>1.24</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>908</td><td>Santolina triene</td><td>14.45</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>925</td><td><math>\alpha</math>-Thujene</td><td>-</td><td>-</td><td>-</td><td>2.53</td></tr> <tr><td>4</td><td>966</td><td><math>\beta</math>-Thujene</td><td>-</td><td>-</td><td>-</td><td>2.63</td></tr> <tr><td>5</td><td>980</td><td><math>\beta</math>-Pinene</td><td>-</td><td>-</td><td>-</td><td>15.13</td></tr> <tr><td>6</td><td>1010</td><td>3-Carene</td><td>-</td><td>-</td><td>-</td><td>45.98</td></tr> <tr><td>7</td><td>1021</td><td><math>\alpha</math>-Cymene</td><td>1.51</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>8</td><td>1027</td><td>Sylvestrene</td><td>-</td><td>-</td><td>-</td><td>5.92</td></tr> <tr><td>9</td><td>1046</td><td>1,8-Cineole</td><td>32.62</td><td>-</td><td>0.36</td><td>2.56</td></tr> <tr><td>10</td><td>1074</td><td>3,5-Dimethylbenzene</td><td>7.48</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>11</td><td>1106</td><td>Linalool</td><td>-</td><td>-</td><td>1.34</td><td>1.27</td></tr> <tr><td>12</td><td>1108</td><td>3,7-Dimethyl-1,5,7-octatriene-3-ol</td><td>15.85</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>13</td><td>1145</td><td>Camphor</td><td>-</td><td>51.07</td><td>1.32</td><td>-</td></tr> <tr><td>14</td><td>1160</td><td>Borneol</td><td>-</td><td>-</td><td>6.97</td><td>-</td></tr> <tr><td>15</td><td>1164</td><td>Pinocarvone</td><td>0.46</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>16</td><td>1175</td><td>4-Terpineol</td><td>2.02</td><td>11.97</td><td>1.57</td><td>1.12</td></tr> <tr><td>17</td><td>1182</td><td>Isocitral</td><td>-</td><td>9.20</td><td>-</td><td>-</td></tr> <tr><td>18</td><td>1190</td><td><math>\alpha</math>-Terpineol</td><td>-</td><td>1.47</td><td>3.69</td><td>1.27</td></tr> <tr><td>19</td><td>1232</td><td><math>\beta</math>-Nerol</td><td>-</td><td>-</td><td>11.01</td><td>-</td></tr> <tr><td>20</td><td>1250</td><td><math>\gamma</math>-Pirone</td><td>-</td><td>-</td><td>-</td><td>2.41</td></tr> <tr><td>21</td><td>1267</td><td>Geraniol</td><td>-</td><td>-</td><td>1.44</td><td>0.31</td></tr> <tr><td>22</td><td>1372</td><td>Copaene</td><td>-</td><td>-</td><td>-</td><td>1.76</td></tr> <tr><td>23</td><td>1388</td><td><math>\beta</math>-Elemene</td><td>-</td><td>-</td><td>-</td><td>1.54</td></tr> <tr><td>24</td><td>1390</td><td><math>\beta</math>-Cubebene</td><td>-</td><td>-</td><td>7.50</td><td>-</td></tr> <tr><td>25</td><td>1396</td><td>3-Methyl-2-pent-2-enyl-cyclopent-2-enone</td><td>-</td><td>-</td><td>1.09</td><td>-</td></tr> <tr><td>26</td><td>1417</td><td>Caryophyllene</td><td>0.91</td><td>3.76</td><td>2.02</td><td>0.98</td></tr> <tr><td>27</td><td>1425</td><td>1-Methyl-4-(1-methylethylidene)-2-(1-methylvinyl)-1-vinylcyclohexane</td><td>-</td><td>-</td><td>-</td><td>1.29</td></tr> <tr><td>28</td><td>1430</td><td>Neryl propanoate</td><td>-</td><td>-</td><td>22.88</td><td>-</td></tr> <tr><td>29</td><td>1432</td><td>Elixene</td><td>-</td><td>-</td><td>4.21</td><td>-</td></tr> <tr><td>30</td><td>1441</td><td><math>\beta</math>-Farnesene</td><td>-</td><td>-</td><td>2.73</td><td>-</td></tr> <tr><td>31</td><td>1464</td><td><math>\beta</math>-Humulene</td><td>-</td><td>-</td><td>-</td><td>1.74</td></tr> <tr><td>32</td><td>1465</td><td><math>\gamma</math>-Muurolene</td><td>-</td><td>-</td><td>-</td><td>1.33</td></tr> <tr><td>33</td><td>1480</td><td>Germacrene D</td><td>-</td><td>-</td><td>-</td><td>8.79</td></tr> <tr><td>34</td><td>1489</td><td>Viridiflorene</td><td>1.14</td><td>-</td><td>-</td><td>3.36</td></tr> </tbody> </table> <p><sup>1</sup> RI, retention index of the chromatography determined on a HP-5MS column using the homologous series of n-hydrocarbons</p> | No.                         | R <sub>1</sub> <sup>1</sup> | Compound         | Relative Content (%) <sup>2</sup> |      |                 |         | AD                | AG    | AS    | AC        | 1        | 800   | Octane           | 1.24      | -        | -      | -      | 2             | 908          | Santolina triene | 14.45 | -     | -                                | -          | 3        | 925   | $\alpha$ -Thujene    | -        | -     | -     | 2.53                  | 4              | 966      | $\beta$ -Thujene | -     | -            | -        | 2.63  | 5   | 980                | $\beta$ -Pinene | -        | -                     | -    | 15.13             | 6       | 1010  | 3-Carene | -                      | -                           | -          | 45.98 | 7    | 1021                | $\alpha$ -Cymene | 1.51 | -     | -            | -         | 8     | 1027                | Sylvestrene           | -         | -        | -     | 5.92  | 9              | 1046     | 1,8-Cineole | 32.62  | -                       | 0.36       | 2.56     | 10    | 1074                  | 3,5-Dimethylbenzene | 7.48  | -     | -                     | -        | 11    | 1106  | Linalool            | -                | -           | 1.34  | 1.27  | 12                            | 1108     | 3,7-Dimethyl-1,5,7-octatriene-3-ol | 15.85                       | -                | -        | -     | 13   | 1145                      | Camphor             | -     | 51.07 | 1.32       | -        | 14    | 1160                 | Borneol                 | -         | -     | 6.97 | -   | 15   | 1164 | Pinocarvone | 0.46 | -    | -     | -       | 16   | 1175 | 4-Terpineol | 2.02 | 11.97 | 1.57        | 1.12 | 17   | 1182 | Isocitral | -     | 9.20          | -    | -    | 18   | 1190 | $\alpha$ -Terpineol | -        | 1.47 | 3.69 | 1.27 | 19   | 1232  | $\beta$ -Nerol    | -    | -    | 11.01 | -    | 20    | 1250                | $\gamma$ -Pirone | -    | -    | -    | 2.41  | 21                        | 1267 | Geraniol | -    | -    | 1.44  | 0.31               | 22   | 1372 | Copaene | -    | -     | -             | 1.76 | 23   | 1388 | $\beta$ -Elemene | -     | -                  | -    | 1.54 | 24   | 1390 | $\beta$ -Cubebene | -                  | -    | 7.50 | -    | 25   | 1396  | 3-Methyl-2-pent-2-enyl-cyclopent-2-enone | -    | -    | 1.09 | -    | 26    | 1417                | Caryophyllene | 0.91 | 3.76 | 2.02 | 0.98  | 27                       | 1425 | 1-Methyl-4-(1-methylethylidene)-2-(1-methylvinyl)-1-vinylcyclohexane | -    | -    | -  | 1.29   | 28   | 1430 | Neryl propanoate | - | - | 22.88 | - | 29 | 1432 | Elixene | - | - | 4.21 | - | 30 | 1441 | $\beta$ -Farnesene | - | - | 2.73 | - | 31 | 1464 | $\beta$ -Humulene | - | - | - | 1.74 | 32 | 1465 | $\gamma$ -Muurolene | - | - | - | 1.33 | 33 | 1480 | Germacrene D | - | - | - | 8.79 | 34 | 1489 | Viridiflorene | 1.14 | - | - | 3.36 | <p><b>Table 1</b><br/>Chemical composition of essential oils extracted from the five <i>Artemisia</i> species.</p> | <p><b>Table 1</b><br/>Chemical composition of essential oils extracted from the five <i>Artemisia</i> species.</p> | <p><sup>1</sup> RI, retention index of the chromatography determined on a HP-5MS column using the homologous series of n-hydrocarbons</p> |
| No.   | R <sub>1</sub> <sup>1</sup>   | Compound  | Relative Content (%) <sup>2</sup>   |                             |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   |   |   | AD  | AG                          | AS                          | AC               |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 1   | 800   | Octane  | 1.24  | -                           | -                           | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 2   | 908   | Santolina triene  | 14.45   | -                           | -                           | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 3   | 925   | $\alpha$ -Thujene   | -   | -                           | -                           | 2.53             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 4   | 966   | $\beta$ -Thujene  | -   | -                           | -                           | 2.63             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 5   | 980   | $\beta$ -Pinene   | -   | -                           | -                           | 15.13            |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 6   | 1010  | 3-Carene  | -   | -                           | -                           | 45.98            |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 7   | 1021  | $\alpha$ -Cymene  | 1.51  | -                           | -                           | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 8   | 1027  | Sylvestrene   | -   | -                           | -                           | 5.92             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 9   | 1046  | 1,8-Cineole   | 32.62   | -                           | 0.36                        | 2.56             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 10  | 1074  | 3,5-Dimethylbenzene   | 7.48  | -                           | -                           | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 11  | 1106  | Linalool  | -   | -                           | 1.34                        | 1.27             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 12  | 1108  | 3,7-Dimethyl-1,5,7-octatriene-3-ol  | 15.85   | -                           | -                           | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 13  | 1145  | Camphor   | -   | 51.07                       | 1.32                        | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 14  | 1160  | Borneol   | -   | -                           | 6.97                        | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 15  | 1164  | Pinocarvone   | 0.46  | -                           | -                           | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 16  | 1175  | 4-Terpineol   | 2.02  | 11.97                       | 1.57                        | 1.12             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 17  | 1182  | Isocitral   | -   | 9.20                        | -                           | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 18  | 1190  | $\alpha$ -Terpineol   | -   | 1.47                        | 3.69                        | 1.27             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 19  | 1232  | $\beta$ -Nerol  | -   | -                           | 11.01                       | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 20  | 1250  | $\gamma$ -Pirone  | -   | -                           | -                           | 2.41             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 21  | 1267  | Geraniol  | -   | -                           | 1.44                        | 0.31             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 22  | 1372  | Copaene   | -   | -                           | -                           | 1.76             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 23  | 1388  | $\beta$ -Elemene  | -   | -                           | -                           | 1.54             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 24  | 1390  | $\beta$ -Cubebene   | -   | -                           | 7.50                        | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 25  | 1396  | 3-Methyl-2-pent-2-enyl-cyclopent-2-enone  | -   | -                           | 1.09                        | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 26  | 1417  | Caryophyllene   | 0.91  | 3.76                        | 2.02                        | 0.98             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 27  | 1425  | 1-Methyl-4-(1-methylethylidene)-2-(1-methylvinyl)-1-vinylcyclohexane  | -   | -                           | -                           | 1.29             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 28  | 1430  | Neryl propanoate  | -   | -                           | 22.88                       | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 29  | 1432  | Elixene   | -   | -                           | 4.21                        | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 30  | 1441  | $\beta$ -Farnesene  | -   | -                           | 2.73                        | -                |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 31  | 1464  | $\beta$ -Humulene   | -   | -                           | -                           | 1.74             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 32  | 1465  | $\gamma$ -Muurolene   | -   | -                           | -                           | 1.33             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 33  | 1480  | Germacrene D  | -   | -                           | -                           | 8.79             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 34  | 1489  | Viridiflorene   | 1.14  | -                           | -                           | 3.36             |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| <a href="https://europepmc.org/article/MED/35048794#free-full-text">https://europepmc.org/article/MED/35048794#free-full-text</a> | Chemical composition, enantiomeric analysis and anticholinesterase activity of <i>Lepchinia betonicifolia</i> essential oil from Ecuador.                   | <a href="https://europepmc.org/articles/PMC8786249/table/t0001/">https://europepmc.org/articles/PMC8786249/table/t0001/</a>                                     | <p><b>Table 1.</b><br/>Chemical composition of the essential oil of <i>L. betonicifolia</i> in DB-5MS.</p> <table border="1"> <thead> <tr> <th>R<sub>t</sub><sup>a</sup></th> <th>Compound</th> <th>LRI<sup>b</sup></th> <th>LRI<sup>c</sup></th> <th>%</th> <th><math>\Sigma</math></th> </tr> </thead> <tbody> <tr><td>8.08</td><td><math>\alpha</math>-Thujene</td><td>924</td><td>924</td><td>0.35</td><td>0.12</td></tr> <tr><td>8.39</td><td><math>\alpha</math>-Pinene</td><td>932</td><td>932</td><td>4.97</td><td>1.32</td></tr> <tr><td>9.08</td><td>Camphene</td><td>948</td><td>946</td><td>0.30</td><td>0.04</td></tr> <tr><td>10.08</td><td>Sabinene</td><td>971</td><td>969</td><td>27.98</td><td>2.94</td></tr> <tr><td>10.30</td><td><math>\beta</math>-Pinene</td><td>976</td><td>974</td><td>30.45</td><td>2.25</td></tr> <tr><td>10.79</td><td>Myrcene</td><td>988</td><td>988</td><td>0.34</td><td>0.10</td></tr> <tr><td>11.46</td><td>p-Mentha-1(7),8-diene</td><td>1003</td><td>1003</td><td>0.48</td><td>0.03</td></tr> <tr><td>11.57</td><td><math>\alpha</math>-Phellandrene</td><td>1006</td><td>1002</td><td>0.28</td><td>0.31</td></tr> <tr><td>11.68</td><td>delta-3-Carene</td><td>1008</td><td>1008</td><td>1.08</td><td>1.20</td></tr> <tr><td>12.07</td><td><math>\alpha</math>-Terpinene</td><td>1016</td><td>1014</td><td>0.37</td><td>0.48</td></tr> <tr><td>12.43</td><td><math>\rho</math>-Cymene</td><td>1023</td><td>1020</td><td>0.36</td><td>0.39</td></tr> <tr><td>12.66</td><td>Limonene</td><td>1028</td><td>1024</td><td>3.84</td><td>0.72</td></tr> <tr><td>12.72</td><td><math>\beta</math>-Phellandrene</td><td>1029</td><td>1025</td><td>4.79</td><td>2.16</td></tr> <tr><td>12.83</td><td>1,8-Cineole</td><td>1032</td><td>1026</td><td>0.79</td><td>0.27</td></tr> <tr><td>13.48</td><td>(<math>\beta</math>)-<math>\rho</math>-Cimene</td><td>1045</td><td>1044</td><td>0.18</td><td>0.17</td></tr> <tr><td>14.04</td><td><math>\gamma</math>-Terpinene</td><td>1057</td><td>1054</td><td>0.22</td><td>0.19</td></tr> <tr><td>14.66</td><td>p-Mentha-2,4,8 diene</td><td>1070</td><td>1081</td><td>0.38</td><td>0.52</td></tr> <tr><td>15.34</td><td>Terpinolene</td><td>1084</td><td>1086</td><td>0.13</td><td>0.04</td></tr> <tr><td>18.35</td><td>Camphor</td><td>1146</td><td>1141</td><td>0.20</td><td>0.06</td></tr> <tr><td>19.07</td><td>Pinocarvone</td><td>1161</td><td>1161</td><td>0.47</td><td>0.53</td></tr> <tr><td>19.96</td><td>Terpinen-4-ol</td><td>1179</td><td>1174</td><td>0.39</td><td>0.14</td></tr> <tr><td>20.66</td><td>Myrtenal</td><td>1194</td><td>1195</td><td>0.73</td><td>0.80</td></tr> <tr><td>28.84</td><td><math>\alpha</math>-Copaene</td><td>1374</td><td>1374</td><td>0.67</td><td>0.66</td></tr> <tr><td>29.18</td><td><math>\beta</math>-Bourbonene</td><td>1381</td><td>1387</td><td>0.19</td><td>0.23</td></tr> <tr><td>30.70</td><td>(<math>\beta</math>)-Caryophyllene</td><td>1417</td><td>1417</td><td>4.44</td><td>0.91</td></tr> <tr><td>31.15</td><td><math>\beta</math>-Gurjunene</td><td>1427</td><td>1431</td><td>0.62</td><td>0.11</td></tr> <tr><td>31.91</td><td>Aromadendrene</td><td>1445</td><td>1439</td><td>0.26</td><td>0.21</td></tr> <tr><td>32.20</td><td><math>\alpha</math>-Humulene</td><td>1452</td><td>1452</td><td>0.85</td><td>0.44</td></tr> <tr><td>32.37</td><td>allo-Aromadendrene</td><td>1456</td><td>1456</td><td>0.41</td><td>0.30</td></tr> <tr><td>33.26</td><td><math>\gamma</math>-Muurolene</td><td>1477</td><td>1478</td><td>2.84</td><td>2.68</td></tr> <tr><td>33.71</td><td><math>\gamma</math>-Curcumene</td><td>1488</td><td>1481</td><td>2.95</td><td>2.41</td></tr> <tr><td>33.85</td><td>Bicyclo[2.2.1]hept-2-ene</td><td>1491</td><td>1500</td><td>0.50</td><td>0.36</td></tr> </tbody> </table> <p><sup>a</sup>Rt: Retention time; <sup>b</sup>LRI: calculated linear retention indices obtained on DB-5ms column using a series of n-alkanes (C9-C24) from [19]; <sup>c</sup>LRI: reference linear retention indices from [20]; %: relative percentage amount.</p>   | R <sub>t</sub> <sup>a</sup> | Compound                    | LRI <sup>b</sup> | LRI <sup>c</sup>                  | %    | $\Sigma$        | 8.08    | $\alpha$ -Thujene | 924   | 924   | 0.35      | 0.12     | 8.39  | $\alpha$ -Pinene | 932       | 932      | 4.97   | 1.32   | 9.08          | Camphene     | 948              | 946   | 0.30  | 0.04                             | 10.08      | Sabinene | 971   | 969                  | 27.98    | 2.94  | 10.30 | $\beta$ -Pinene       | 976            | 974      | 30.45            | 2.25  | 10.79        | Myrcene  | 988   | 988 | 0.34               | 0.10            | 11.46    | p-Mentha-1(7),8-diene | 1003 | 1003              | 0.48    | 0.03  | 11.57    | $\alpha$ -Phellandrene | 1006                        | 1002       | 0.28  | 0.31 | 11.68               | delta-3-Carene   | 1008 | 1008  | 1.08         | 1.20      | 12.07 | $\alpha$ -Terpinene | 1016                  | 1014      | 0.37     | 0.48  | 12.43 | $\rho$ -Cymene | 1023     | 1020        | 0.36   | 0.39                    | 12.66      | Limonene | 1028  | 1024                  | 3.84                | 0.72  | 12.72 | $\beta$ -Phellandrene | 1029     | 1025  | 4.79  | 2.16                | 12.83            | 1,8-Cineole | 1032  | 1026  | 0.79                          | 0.27     | 13.48                              | ( $\beta$ )- $\rho$ -Cimene | 1045             | 1044     | 0.18  | 0.17 | 14.04                     | $\gamma$ -Terpinene | 1057  | 1054  | 0.22       | 0.19     | 14.66 | p-Mentha-2,4,8 diene | 1070                    | 1081      | 0.38  | 0.52 | 15.34   | Terpinolene                                      | 1084 | 1086        | 0.13 | 0.04 | 18.35 | Camphor | 1146 | 1141 | 0.20        | 0.06 | 19.07 | Pinocarvone | 1161 | 1161 | 0.47 | 0.53      | 19.96 | Terpinen-4-ol | 1179 | 1174 | 0.39 | 0.14 | 20.66               | Myrtenal | 1194 | 1195 | 0.73 | 0.80 | 28.84 | $\alpha$ -Copaene | 1374 | 1374 | 0.67  | 0.66 | 29.18 | $\beta$ -Bourbonene | 1381             | 1387 | 0.19 | 0.23 | 30.70 | ( $\beta$ )-Caryophyllene | 1417 | 1417     | 4.44 | 0.91 | 31.15 | $\beta$ -Gurjunene | 1427 | 1431 | 0.62    | 0.11 | 31.91 | Aromadendrene | 1445 | 1439 | 0.26 | 0.21             | 32.20 | $\alpha$ -Humulene | 1452 | 1452 | 0.85 | 0.44 | 32.37             | allo-Aromadendrene | 1456 | 1456 | 0.41 | 0.30 | 33.26 | $\gamma$ -Muurolene                      | 1477 | 1478 | 2.84 | 2.68 | 33.71 | $\gamma$ -Curcumene | 1488          | 1481 | 2.95 | 2.41 | 33.85 | Bicyclo[2.2.1]hept-2-ene | 1491 | 1500   | 0.50 | 0.36 | <p><b>Table 1.</b><br/>Chemical composition of the essential oil of <i>L. betonicifolia</i> in DB-5MS.</p> | <p><b>Table 1.</b><br/>Chemical composition of the essential oil of <i>L. betonicifolia</i> in DB-5MS.</p> | <p>aRt: Retention time; bLRI: calculated linear retention indices obtained on DB-5ms column using a series of n-alkanes (C9-C24) from [19]; cLRI: reference linear retention indices from [20]; %: relative percentage amount.</p> |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| R <sub>t</sub> <sup>a</sup>   | Compound  | LRI <sup>b</sup>  | LRI <sup>c</sup>  | %                           | $\Sigma$                    |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 8.08  | $\alpha$ -Thujene   | 924   | 924   | 0.35                        | 0.12                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 8.39  | $\alpha$ -Pinene  | 932   | 932   | 4.97                        | 1.32                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 9.08  | Camphene  | 948   | 946   | 0.30                        | 0.04                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 10.08   | Sabinene  | 971   | 969   | 27.98                       | 2.94                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 10.30   | $\beta$ -Pinene   | 976   | 974   | 30.45                       | 2.25                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 10.79   | Myrcene   | 988   | 988   | 0.34                        | 0.10                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 11.46   | p-Mentha-1(7),8-diene   | 1003  | 1003  | 0.48                        | 0.03                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 11.57   | $\alpha$ -Phellandrene  | 1006  | 1002  | 0.28                        | 0.31                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 11.68   | delta-3-Carene  | 1008  | 1008  | 1.08                        | 1.20                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 12.07   | $\alpha$ -Terpinene   | 1016  | 1014  | 0.37                        | 0.48                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 12.43   | $\rho$ -Cymene  | 1023  | 1020  | 0.36                        | 0.39                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 12.66   | Limonene  | 1028  | 1024  | 3.84                        | 0.72                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 12.72   | $\beta$ -Phellandrene   | 1029  | 1025  | 4.79                        | 2.16                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 12.83   | 1,8-Cineole   | 1032  | 1026  | 0.79                        | 0.27                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 13.48   | ( $\beta$ )- $\rho$ -Cimene   | 1045  | 1044  | 0.18                        | 0.17                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 14.04   | $\gamma$ -Terpinene   | 1057  | 1054  | 0.22                        | 0.19                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 14.66   | p-Mentha-2,4,8 diene  | 1070  | 1081  | 0.38                        | 0.52                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 15.34   | Terpinolene   | 1084  | 1086  | 0.13                        | 0.04                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 18.35   | Camphor   | 1146  | 1141  | 0.20                        | 0.06                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 19.07   | Pinocarvone   | 1161  | 1161  | 0.47                        | 0.53                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 19.96   | Terpinen-4-ol   | 1179  | 1174  | 0.39                        | 0.14                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 20.66   | Myrtenal  | 1194  | 1195  | 0.73                        | 0.80                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 28.84   | $\alpha$ -Copaene   | 1374  | 1374  | 0.67                        | 0.66                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 29.18   | $\beta$ -Bourbonene   | 1381  | 1387  | 0.19                        | 0.23                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 30.70   | ( $\beta$ )-Caryophyllene   | 1417  | 1417  | 4.44                        | 0.91                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 31.15   | $\beta$ -Gurjunene  | 1427  | 1431  | 0.62                        | 0.11                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 31.91   | Aromadendrene   | 1445  | 1439  | 0.26                        | 0.21                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 32.20   | $\alpha$ -Humulene  | 1452  | 1452  | 0.85                        | 0.44                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 32.37   | allo-Aromadendrene  | 1456  | 1456  | 0.41                        | 0.30                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 33.26   | $\gamma$ -Muurolene   | 1477  | 1478  | 2.84                        | 2.68                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 33.71   | $\gamma$ -Curcumene   | 1488  | 1481  | 2.95                        | 2.41                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| 33.85   | Bicyclo[2.2.1]hept-2-ene  | 1491  | 1500  | 0.50                        | 0.36                        |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| <a href="https://europepmc.org/article/MED/35684405#free-full-text">https://europepmc.org/article/MED/35684405#free-full-text</a> | Chemical Constituents, Antioxidant, Anti-Tyrosinase, Cytotoxicity, and Anti-Melanogenesis Activities of <i>Etingera elatior</i> (Jack) Leaf Essential Oils. | <a href="https://europepmc.org/articles/PMC9182332/table/molecules-27-03469-t001/">https://europepmc.org/articles/PMC9182332/table/molecules-27-03469-t001/</a> | <p><b>Table 1</b><br/>Volatile constituents of <i>E. elatior</i> leaf essential oils from hydrodistillation (HD) and microwave-assisted hydrodistillation (MAHD).</p> <table border="1"> <thead> <tr> <th></th> <th>Compounds</th> <th>CAS No.</th> <th>HD</th> <th>MAHD</th> </tr> </thead> <tbody> <tr><td rowspan="3"><b>Aldehyde</b></td><td>Decanal</td><td>112-31-2</td><td>0.556</td><td>0.705</td></tr> <tr><td>Undecanal</td><td>112-44-7</td><td>0.203</td><td>-</td></tr> <tr><td>Dodecanal</td><td>112-54-9</td><td>10.024</td><td>12.422</td></tr> <tr><td rowspan="3"><b>Alkene</b></td><td>9-Octadecyne</td><td>35365-59-4</td><td>-</td><td>0.725</td></tr> <tr><td>9-Tetradecen-1-ol, acetate, (E)-</td><td>23192-82-7</td><td>0.249</td><td>0.919</td></tr> <tr><td>1-Tetradecyl acetate</td><td>638-59-5</td><td>0.334</td><td>0.669</td></tr> <tr><td rowspan="3"><b>Dialkyl ketone</b></td><td>Lauryl acetate</td><td>112-66-3</td><td>2.245</td><td>6.599</td></tr> <tr><td>2-Undecanone</td><td>112-12-9</td><td>0.274</td><td>-</td></tr> <tr><td rowspan="3"><b>Fatty acids</b></td><td>Dodecanoic acid</td><td>143-07-7</td><td>0.542</td><td>-</td></tr> <tr><td>Hexadecanoic acid</td><td>57-10-3</td><td>0.334</td><td>1.136</td></tr> <tr><td rowspan="3"><b>Fatty aldehyde</b></td><td>cis,cis-7,10-Hexadecadienal</td><td>56829-23-3</td><td>0.351</td><td>-</td></tr> <tr><td>7-Tetradecenyl (Z)-</td><td>65128-96-3</td><td>-</td><td>1.084</td></tr> <tr><td>Pentadecanal</td><td>2765-11-9</td><td>0.264</td><td>-</td></tr> <tr><td rowspan="6"><b>Fatty alcohols</b></td><td>1-Decanol</td><td>112-30-1</td><td>0.425</td><td>0.802</td></tr> <tr><td>1-Dodecanol</td><td>112-53-8</td><td>13.484</td><td>30.335</td></tr> <tr><td>11-Hexadecen-1-ol, (Z)-</td><td>56683-54-6</td><td>-</td><td>1.094</td></tr> <tr><td>cis-9-Tetradecen-1-ol</td><td>35153-15-2</td><td>1.989</td><td>6.522</td></tr> <tr><td>1-Tetradecanol</td><td>112-72-1</td><td>1.224</td><td>5.711</td></tr> <tr><td rowspan="6"><b>Monoterpenes</b></td><td><math>\alpha</math>-Pinene</td><td>80-56-8</td><td>3.055</td><td>0.443</td></tr> <tr><td>(<math>\alpha</math>)-<math>\beta</math>-Pinene</td><td>127-91-3</td><td>7.354</td><td>0.707</td></tr> <tr><td><math>\beta</math>-Myrcene</td><td>123-35-3</td><td>1.524</td><td>-</td></tr> <tr><td>(+)-m-Mentha-1(6),8-diene</td><td>1461-27-4</td><td>0.291</td><td>-</td></tr> <tr><td>Eucalyptol</td><td>470-82-6</td><td>0.312</td><td>-</td></tr> <tr><td>trans-<math>\beta</math>-Ocimene</td><td>3779-61-1</td><td>0.154</td><td>-</td></tr> </tbody> </table> <p style="text-align: center;"><a href="#">Open in a separate window</a></p> <p>The results are presented as area sum, %.</p>   |                             | Compounds                   | CAS No.          | HD                                | MAHD | <b>Aldehyde</b> | Decanal | 112-31-2          | 0.556 | 0.705 | Undecanal | 112-44-7 | 0.203 | -                | Dodecanal | 112-54-9 | 10.024 | 12.422 | <b>Alkene</b> | 9-Octadecyne | 35365-59-4       | -     | 0.725 | 9-Tetradecen-1-ol, acetate, (E)- | 23192-82-7 | 0.249    | 0.919 | 1-Tetradecyl acetate | 638-59-5 | 0.334 | 0.669 | <b>Dialkyl ketone</b> | Lauryl acetate | 112-66-3 | 2.245            | 6.599 | 2-Undecanone | 112-12-9 | 0.274 | -   | <b>Fatty acids</b> | Dodecanoic acid | 143-07-7 | 0.542                 | -    | Hexadecanoic acid | 57-10-3 | 0.334 | 1.136    | <b>Fatty aldehyde</b>  | cis,cis-7,10-Hexadecadienal | 56829-23-3 | 0.351 | -    | 7-Tetradecenyl (Z)- | 65128-96-3       | -    | 1.084 | Pentadecanal | 2765-11-9 | 0.264 | -                   | <b>Fatty alcohols</b> | 1-Decanol | 112-30-1 | 0.425 | 0.802 | 1-Dodecanol    | 112-53-8 | 13.484      | 30.335 | 11-Hexadecen-1-ol, (Z)- | 56683-54-6 | -        | 1.094 | cis-9-Tetradecen-1-ol | 35153-15-2          | 1.989 | 6.522 | 1-Tetradecanol        | 112-72-1 | 1.224 | 5.711 | <b>Monoterpenes</b> | $\alpha$ -Pinene | 80-56-8     | 3.055 | 0.443 | ( $\alpha$ )- $\beta$ -Pinene | 127-91-3 | 7.354                              | 0.707                       | $\beta$ -Myrcene | 123-35-3 | 1.524 | -    | (+)-m-Mentha-1(6),8-diene | 1461-27-4           | 0.291 | -     | Eucalyptol | 470-82-6 | 0.312 | -                    | trans- $\beta$ -Ocimene | 3779-61-1 | 0.154 | -    | <p><b>Table 1</b><br/>Volatile constituents of <i>E. elatior</i> leaf essential oils from hydrodistillation (HD) and microwave-assisted hydrodistillation (MAHD).</p> | <p>The results are presented as area sum, %.</p> |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | Compounds   | CAS No.   | HD  | MAHD                        |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| <b>Aldehyde</b>   | Decanal   | 112-31-2  | 0.556   | 0.705                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | Undecanal   | 112-44-7  | 0.203   | -                           |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | Dodecanal   | 112-54-9  | 10.024  | 12.422                      |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| <b>Alkene</b>   | 9-Octadecyne  | 35365-59-4  | -   | 0.725                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | 9-Tetradecen-1-ol, acetate, (E)-  | 23192-82-7  | 0.249   | 0.919                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | 1-Tetradecyl acetate  | 638-59-5  | 0.334   | 0.669                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| <b>Dialkyl ketone</b>   | Lauryl acetate  | 112-66-3  | 2.245   | 6.599                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | 2-Undecanone  | 112-12-9  | 0.274   | -                           |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | <b>Fatty acids</b>  | Dodecanoic acid   | 143-07-7  | 0.542                       | -                           |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| Hexadecanoic acid   |   | 57-10-3   | 0.334   | 1.136                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| <b>Fatty aldehyde</b>   |   | cis,cis-7,10-Hexadecadienal   | 56829-23-3  | 0.351                       | -                           |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | 7-Tetradecenyl (Z)-   | 65128-96-3  | -   | 1.084                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | Pentadecanal  | 2765-11-9   | 0.264   | -                           |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| <b>Fatty alcohols</b>   | 1-Decanol   | 112-30-1  | 0.425   | 0.802                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | 1-Dodecanol   | 112-53-8  | 13.484  | 30.335                      |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | 11-Hexadecen-1-ol, (Z)-   | 56683-54-6  | -   | 1.094                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | cis-9-Tetradecen-1-ol   | 35153-15-2  | 1.989   | 6.522                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | 1-Tetradecanol  | 112-72-1  | 1.224   | 5.711                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
|   | <b>Monoterpenes</b>   | $\alpha$ -Pinene  | 80-56-8   | 3.055                       | 0.443                       |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| ( $\alpha$ )- $\beta$ -Pinene   |   | 127-91-3  | 7.354   | 0.707                       |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| $\beta$ -Myrcene  |   | 123-35-3  | 1.524   | -                           |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| (+)-m-Mentha-1(6),8-diene   |   | 1461-27-4   | 0.291   | -                           |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| Eucalyptol  |   | 470-82-6  | 0.312   | -                           |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |
| trans- $\beta$ -Ocimene   |   | 3779-61-1   | 0.154   | -                           |                             |                  |                                   |      |                 |         |                   |       |       |           |          |       |                  |           |          |        |        |               |              |                  |       |       |                                  |            |          |       |                      |          |       |       |                       |                |          |                  |       |              |          |       |     |                    |                 |          |                       |      |                   |         |       |          |                        |                             |            |       |      |                     |                  |      |       |              |           |       |                     |                       |           |          |       |       |                |          |             |        |                         |            |          |       |                       |                     |       |       |                       |          |       |       |                     |                  |             |       |       |                               |          |                                    |                             |                  |          |       |      |                           |                     |       |       |            |          |       |                      |                         |           |       |      |   |  |      |             |      |      |       |         |      |      |             |      |       |             |      |      |      |           |       |               |      |      |      |      |                     |          |      |      |      |      |       |                   |      |      |       |      |       |                     |                  |      |      |      |       |                           |      |          |      |      |       |                    |      |      |         |      |       |               |      |      |      |                  |       |                    |      |      |      |      |                   |                    |      |      |      |      |       |  |      |      |      |      |       |                     |               |      |      |      |       |                          |      |  |      |      |  |  |  |      |                  |   |   |       |   |    |      |         |   |   |      |   |    |      |                    |   |   |      |   |    |      |                   |   |   |   |      |    |      |                     |   |   |   |      |    |      |              |   |   |   |      |    |      |               |      |   |   |      |  |  |   |

| URL   | Title  | Table Link  | Table Pic (top)  |          | Table Header | Table footer                 |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|---|--|---|--|----------|--------------|------------------------------|-----------------|--------|-----------------|-----------------|----------|-------|---------|-----|-----------|----------|-------|------|-----------------------|--------------|----------|-----------------------|--------|---------------|---------------------|------------|------|---------------|-------------------------|----------------------------------|----------------------|-------|-------|--------------------|----------------------|----------|---------------------|-------|-----|---------------------------------------|----------|-------|------------------|-----------------------|-----------------|-------------------|-------|-----|---------------------|-----------------|----------|----------------|------|-----|--------------------|---------|-------|---------------|-----------------------|------------------------------|---------------|-------|------|---------|--------------------------|------------|-------|-------|------|--------------------|-----------|-------|---------------------|-----------------------|-----------------|-------------------------|-------|-------|----------------|---------------|----------|-----------------|--------|------|---|-------------------------------|------|-------|----|-----------------------|------------|-------|-------|----|---------------------|----------|-------|-------|---------------------|---------------------|---------|-------|-------|----|----------------------------|----------|-------|-------|----|------------------------|----------|-------|-----|----|---|-----------|-------|-----|----|---------------|----------|-------|-----|----|-------------------------|-----------|-------|-----|----|--------------------|----------|-------|-----|----|-------------------|------------|-------|-------|----|---------------------|----------|-------|-----|----|---------------------|---------|-------|-----|----|------------------|------------|-------|-------|----|---|-------------|-------|-------|-----------------------|-----------------------|----------|-------|-----|----|---------------------|---------|--------|-------|----|--------------------|-----------|--------|-------|---|--|------|------|-----|-----|-----|-----|-----|-----|-----|-----|---|--|
| <a href="https://europepmc.org/article/MED/35889501">https://europepmc.org/article/MED/35889501</a>                               | Preliminary Study on Phytochemical Constituents and Biological Activities of Essential Oil from Myriactis nepalensis Less.                                   | <a href="https://europepmc.org/articles/PMC9324352/table/molecules-27-0463-t001/">https://europepmc.org/articles/PMC9324352/table/molecules-27-0463-t001/</a> | <p><b>Table 1</b><br/>Chemical composition of <i>M. nepalensis</i> essential oil.</p> <table border="1"> <thead> <tr> <th>Peak No.</th> <th>Compound</th> <th>RI <sup>a</sup></th> <th>RI <sup>b</sup></th> <th>% Area</th> </tr> </thead> <tbody> <tr><td>1</td><td>(E)-2-Octenal</td><td>1050</td><td>1049</td><td>1.1</td></tr> <tr><td>2</td><td>Linalool</td><td>1098</td><td>1095</td><td>0.6</td></tr> <tr><td>3</td><td>cis-Verbenol</td><td>1141</td><td>1137</td><td>0.1</td></tr> <tr><td>4</td><td><math>\alpha</math>-Terpineol</td><td>1190</td><td>1186</td><td>0.1</td></tr> <tr><td>5</td><td>cis-Myrtanol</td><td>1252</td><td>1250</td><td>0.2</td></tr> <tr><td>6</td><td>(E)-2-Decenal</td><td>1259</td><td>1260</td><td>0.1</td></tr> <tr><td>7</td><td>Bornyl acetate</td><td>1285</td><td>1284</td><td>0.1</td></tr> <tr><td>8</td><td>Dihydrodeulacte</td><td>1295</td><td>1293</td><td>0.2</td></tr> <tr><td>9</td><td>Menthyl acetate</td><td>1297</td><td>1294</td><td>0.1</td></tr> <tr><td>10</td><td>Isomenthyl acetate</td><td>1306</td><td>1304</td><td>0.2</td></tr> <tr><td>11</td><td><math>\delta</math>-Elementene</td><td>1338</td><td>1335</td><td>0.1</td></tr> <tr><td>12</td><td>7-epi-Silphiperfol-5-one</td><td>1346</td><td>1345</td><td>0.1</td></tr> <tr><td>13</td><td><math>\alpha</math>-Cubebene</td><td>1350</td><td>1348</td><td>0.1</td></tr> <tr><td>14</td><td>(E)-2-Undecenal</td><td>1361</td><td>1357</td><td>0.1</td></tr> <tr><td>15</td><td>Cyclosativene</td><td>1369</td><td>1369</td><td>0.1</td></tr> <tr><td>16</td><td><math>\alpha</math>-V lange</td><td>1373</td><td>1373</td><td>0.1</td></tr> <tr><td>17</td><td><math>\alpha</math>-Copaene</td><td>1378</td><td>1374</td><td>0.3</td></tr> <tr><td>18</td><td><math>\beta</math>-Bourbonene</td><td>1387</td><td>1387</td><td>0.7</td></tr> <tr><td>19</td><td><math>\beta</math>-Elementene</td><td>1393</td><td>1389</td><td>6.1</td></tr> <tr><td>20</td><td>cis-<math>\alpha</math>-Bergamotene</td><td>1415</td><td>1411</td><td>0.8</td></tr> <tr><td>21</td><td><math>\beta</math>-Caryophyllene</td><td>1420</td><td>1417</td><td>4.1</td></tr> <tr><td>22</td><td><math>\gamma</math>-Elementene</td><td>1435</td><td>1434</td><td>1.0</td></tr> <tr><td>23</td><td>Aromadendrene</td><td>1442</td><td>1439</td><td>0.1</td></tr> <tr><td>24</td><td><math>\alpha</math>-Himachalene</td><td>1448</td><td>1449</td><td>0.1</td></tr> <tr><td>25</td><td><math>\alpha</math>-Humulene</td><td>1455</td><td>1452</td><td>3.2</td></tr> <tr><td>26</td><td>Alloaromadendrene</td><td>1460</td><td>1458</td><td>0.1</td></tr> <tr><td>27</td><td><math>\gamma</math>-Muurolene</td><td>1478</td><td>1478</td><td>1.5</td></tr> <tr><td>28</td><td>Valencene</td><td>1491</td><td>1496</td><td>1.4</td></tr> <tr><td>29</td><td>Viridiflorene</td><td>1493</td><td>1496</td><td>2.4</td></tr> <tr><td>30</td><td><math>\alpha</math>-Selinene</td><td>1499</td><td>1498</td><td>2.0</td></tr> <tr><td>31</td><td><math>\alpha</math>-Muurolene</td><td>1502</td><td>1500</td><td>0.8</td></tr> <tr><td>32</td><td><math>\beta</math>-Bisabolene</td><td>1508</td><td>1505</td><td>0.5</td></tr> <tr><td>33</td><td><math>\gamma</math>-Cadinene</td><td>1517</td><td>1513</td><td>0.7</td></tr> <tr><td>34</td><td>Cubebol</td><td>1519</td><td>1514</td><td>0.1</td></tr> <tr><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td><td>...</td></tr> </tbody> </table> <p><sup>a</sup> Retention index calculated from n-alkanes (C<sub>7</sub>-C<sub>30</sub>) on an HP-5MS column; <sup>b</sup> Retention index data from the literature.</p>        | Peak No. | Compound     | RI <sup>a</sup>              | RI <sup>b</sup> | % Area | 1               | (E)-2-Octenal   | 1050     | 1049  | 1.1     | 2   | Linalool  | 1098     | 1095  | 0.6  | 3                     | cis-Verbenol | 1141     | 1137                  | 0.1    | 4             | $\alpha$ -Terpineol | 1190       | 1186 | 0.1           | 5                       | cis-Myrtanol                     | 1252                 | 1250  | 0.2   | 6                  | (E)-2-Decenal        | 1259     | 1260                | 0.1   | 7   | Bornyl acetate                        | 1285     | 1284  | 0.1              | 8                     | Dihydrodeulacte | 1295              | 1293  | 0.2 | 9                   | Menthyl acetate | 1297     | 1294           | 0.1  | 10  | Isomenthyl acetate | 1306    | 1304  | 0.2           | 11                    | $\delta$ -Elementene         | 1338          | 1335  | 0.1  | 12      | 7-epi-Silphiperfol-5-one | 1346       | 1345  | 0.1   | 13   | $\alpha$ -Cubebene | 1350      | 1348  | 0.1                 | 14                    | (E)-2-Undecenal | 1361                    | 1357  | 0.1   | 15             | Cyclosativene | 1369     | 1369            | 0.1    | 16   | $\alpha$ -V lange   | 1373                          | 1373 | 0.1   | 17 | $\alpha$ -Copaene     | 1378       | 1374  | 0.3   | 18 | $\beta$ -Bourbonene | 1387     | 1387  | 0.7   | 19                  | $\beta$ -Elementene | 1393    | 1389  | 6.1   | 20 | cis- $\alpha$ -Bergamotene | 1415     | 1411  | 0.8   | 21 | $\beta$ -Caryophyllene | 1420     | 1417  | 4.1 | 22 | $\gamma$ -Elementene                    | 1435      | 1434  | 1.0 | 23 | Aromadendrene | 1442     | 1439  | 0.1 | 24 | $\alpha$ -Himachalene   | 1448      | 1449  | 0.1 | 25 | $\alpha$ -Humulene | 1455     | 1452  | 3.2 | 26 | Alloaromadendrene | 1460       | 1458  | 0.1   | 27 | $\gamma$ -Muurolene | 1478     | 1478  | 1.5 | 28 | Valencene           | 1491    | 1496  | 1.4 | 29 | Viridiflorene    | 1493       | 1496  | 2.4   | 30 | $\alpha$ -Selinene                      | 1499        | 1498  | 2.0   | 31                    | $\alpha$ -Muurolene   | 1502     | 1500  | 0.8 | 32 | $\beta$ -Bisabolene | 1508    | 1505   | 0.5   | 33 | $\gamma$ -Cadinene | 1517      | 1513   | 0.7   | 34  | Cubebol  | 1519 | 1514 | 0.1 | ... | ... | ... | ... | ... | ... | ... | <p><b>Table 1</b><br/>Chemical composition of <i>M. nepalensis</i> essential oil.</p> | <p>a Retention index calculated from n-alkanes (C<sub>7</sub>-C<sub>30</sub>) on an HP-5MS column; b Retention index data from the literature.</p> |
| Peak No.  | Compound   | RI <sup>a</sup>   | RI <sup>b</sup>  | % Area   |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 1   | (E)-2-Octenal  | 1050  | 1049   | 1.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 2   | Linalool   | 1098  | 1095   | 0.6      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 3   | cis-Verbenol   | 1141  | 1137   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 4   | $\alpha$ -Terpineol  | 1190  | 1186   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 5   | cis-Myrtanol   | 1252  | 1250   | 0.2      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 6   | (E)-2-Decenal  | 1259  | 1260   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 7   | Bornyl acetate   | 1285  | 1284   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 8   | Dihydrodeulacte  | 1295  | 1293   | 0.2      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 9   | Menthyl acetate  | 1297  | 1294   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 10  | Isomenthyl acetate   | 1306  | 1304   | 0.2      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 11  | $\delta$ -Elementene   | 1338  | 1335   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 12  | 7-epi-Silphiperfol-5-one   | 1346  | 1345   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 13  | $\alpha$ -Cubebene   | 1350  | 1348   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 14  | (E)-2-Undecenal  | 1361  | 1357   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 15  | Cyclosativene  | 1369  | 1369   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 16  | $\alpha$ -V lange  | 1373  | 1373   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 17  | $\alpha$ -Copaene  | 1378  | 1374   | 0.3      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 18  | $\beta$ -Bourbonene  | 1387  | 1387   | 0.7      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 19  | $\beta$ -Elementene  | 1393  | 1389   | 6.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 20  | cis- $\alpha$ -Bergamotene   | 1415  | 1411   | 0.8      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 21  | $\beta$ -Caryophyllene   | 1420  | 1417   | 4.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 22  | $\gamma$ -Elementene   | 1435  | 1434   | 1.0      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 23  | Aromadendrene  | 1442  | 1439   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 24  | $\alpha$ -Himachalene  | 1448  | 1449   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 25  | $\alpha$ -Humulene   | 1455  | 1452   | 3.2      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 26  | Alloaromadendrene  | 1460  | 1458   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 27  | $\gamma$ -Muurolene  | 1478  | 1478   | 1.5      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 28  | Valencene  | 1491  | 1496   | 1.4      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 29  | Viridiflorene  | 1493  | 1496   | 2.4      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 30  | $\alpha$ -Selinene   | 1499  | 1498   | 2.0      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 31  | $\alpha$ -Muurolene  | 1502  | 1500   | 0.8      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 32  | $\beta$ -Bisabolene  | 1508  | 1505   | 0.5      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 33  | $\gamma$ -Cadinene   | 1517  | 1513   | 0.7      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 34  | Cubebol  | 1519  | 1514   | 0.1      |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| ...   | ...  | ...   | ...  | ...      | ...          | ...                          |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| <a href="https://europepmc.org/article/MED/35684405">https://europepmc.org/article/MED/35684405</a>                               | Chemical Constituents, Antioxidant, Anti-Tyrosinase, Cytotoxicity, and Anti-Melanogenesis Activities of <i>Elettaria elatior</i> (Jack) Leaf Essential Oils. | <a href="https://europepmc.org/articles/PMC9182332/table/molecules-27-0346-t001/">https://europepmc.org/articles/PMC9182332/table/molecules-27-0346-t001/</a> | <p><b>Table 1</b><br/>Volatile constituents of <i>E. elatior</i> leaf essential oils from hydrodistillation (HD) and microwave-assisted hydrodistillation (MAHD).</p> <table border="1"> <thead> <tr> <th></th> <th>Compounds</th> <th>CAS No.</th> <th>HD</th> <th>MAHD</th> </tr> </thead> <tbody> <tr><td><b>Aldehyde</b></td><td>Decanal</td><td>112-31-2</td><td>0.556</td><td>0.705</td></tr> <tr><td></td><td>Undecanal</td><td>112-44-7</td><td>0.203</td><td>-</td></tr> <tr><td></td><td>Dodecanal</td><td>112-54-9</td><td>10.024</td><td>12.422</td></tr> <tr><td><b>Alkene</b></td><td>9-Octadecyne</td><td>35365-59-4</td><td>-</td><td>0.725</td></tr> <tr><td><b>Carboxylic ester</b></td><td>9-Tetradecen-1-ol, acetate, (E)-</td><td>23192-82-7</td><td>0.249</td><td>0.919</td></tr> <tr><td></td><td>1-Tetradecyl acetate</td><td>638-59-5</td><td>0.334</td><td>0.669</td></tr> <tr><td></td><td>Lauryl acetate</td><td>112-66-3</td><td>2.245</td><td>6.599</td></tr> <tr><td><b>Dialkyl ketone</b></td><td>2-Undecanone</td><td>112-12-9</td><td>0.274</td><td>-</td></tr> <tr><td><b>Fatty acids</b></td><td>Dodecanoic acid</td><td>143-07-7</td><td>0.542</td><td>-</td></tr> <tr><td></td><td>Hexadecanoic acid</td><td>57-10-3</td><td>0.334</td><td>1.136</td></tr> <tr><td><b>Fatty aldehyde</b></td><td>cis,cis-7,10,-Hexadecadienal</td><td>56829-23-3</td><td>0.351</td><td>-</td></tr> <tr><td></td><td>7-Tetradecenal, (Z)-</td><td>65128-96-3</td><td>-</td><td>1.084</td></tr> <tr><td></td><td>Pentadecanal-</td><td>2765-11-9</td><td>0.264</td><td>-</td></tr> <tr><td><b>Fatty alcohols</b></td><td>1-Decanol</td><td>112-30-1</td><td>0.425</td><td>0.802</td></tr> <tr><td></td><td>1-Dodecanol</td><td>112-53-8</td><td>13.484</td><td>30.335</td></tr> <tr><td></td><td>11-Hexadecen-1-ol, (Z)-</td><td>56683-54-6</td><td>-</td><td>1.094</td></tr> <tr><td></td><td>cis-9-Tetradecen-1-ol</td><td>35153-15-2</td><td>1.989</td><td>6.522</td></tr> <tr><td></td><td>1-Tetradecanol</td><td>112-72-1</td><td>1.224</td><td>5.711</td></tr> <tr><td><b>Monoterpenes</b></td><td><math>\alpha</math>-Pinene</td><td>80-56-8</td><td>3.055</td><td>0.443</td></tr> <tr><td></td><td>(<math>\pm</math>)-<math>\beta</math>-Pinene</td><td>127-91-3</td><td>7.354</td><td>0.707</td></tr> <tr><td></td><td><math>\beta</math>-Myrcene</td><td>123-35-3</td><td>1.524</td><td>-</td></tr> <tr><td></td><td>(<math>\gamma</math>)-<math>\mu</math>-Menth-1(6),8-diene</td><td>1461-27-4</td><td>0.291</td><td>-</td></tr> <tr><td></td><td>Eucalyptol</td><td>470-82-6</td><td>0.312</td><td>-</td></tr> <tr><td></td><td>trans-<math>\beta</math>-Ocimene</td><td>3779-61-1</td><td>0.154</td><td>-</td></tr> <tr><td></td><td>Pinocamphone</td><td>547-60-4</td><td>0.162</td><td>-</td></tr> <tr><td></td><td>3-Pinanone</td><td>15358-88-0</td><td>1.985</td><td>0.358</td></tr> <tr><td></td><td>Terpinen-4-ol</td><td>562-74-3</td><td>0.152</td><td>-</td></tr> <tr><td></td><td><math>\alpha</math>-Terpineol</td><td>98-55-5</td><td>0.692</td><td>-</td></tr> <tr><td></td><td>Methyl myrtenate</td><td>30649-97-9</td><td>2.674</td><td>0.711</td></tr> <tr><td></td><td>(<math>\pm</math>)-3-Carene, 10-(acetyl/methyl)-</td><td>163886-28-0</td><td>1.064</td><td>0.438</td></tr> <tr><td><b>Sesquiterpenes</b></td><td><math>\beta</math>-Elemene, (-)</td><td>515-13-9</td><td>0.245</td><td>-</td></tr> <tr><td></td><td>Caryophyllene</td><td>87-44-5</td><td>12.575</td><td>7.857</td></tr> <tr><td></td><td>Humulene</td><td>6753-98-6</td><td>15.207</td><td>9.852</td></tr> </tbody> </table> <p>The results are presented as area sum, %.</p> |          | Compounds    | CAS No.                      | HD              | MAHD   | <b>Aldehyde</b> | Decanal         | 112-31-2 | 0.556 | 0.705   |     | Undecanal | 112-44-7 | 0.203 | -    |                       | Dodecanal    | 112-54-9 | 10.024                | 12.422 | <b>Alkene</b> | 9-Octadecyne        | 35365-59-4 | -    | 0.725         | <b>Carboxylic ester</b> | 9-Tetradecen-1-ol, acetate, (E)- | 23192-82-7           | 0.249 | 0.919 |                    | 1-Tetradecyl acetate | 638-59-5 | 0.334               | 0.669 |     | Lauryl acetate                        | 112-66-3 | 2.245 | 6.599            | <b>Dialkyl ketone</b> | 2-Undecanone    | 112-12-9          | 0.274 | -   | <b>Fatty acids</b>  | Dodecanoic acid | 143-07-7 | 0.542          | -    |     | Hexadecanoic acid  | 57-10-3 | 0.334 | 1.136         | <b>Fatty aldehyde</b> | cis,cis-7,10,-Hexadecadienal | 56829-23-3    | 0.351 | -    |         | 7-Tetradecenal, (Z)-     | 65128-96-3 | -     | 1.084 |      | Pentadecanal-      | 2765-11-9 | 0.264 | -                   | <b>Fatty alcohols</b> | 1-Decanol       | 112-30-1                | 0.425 | 0.802 |                | 1-Dodecanol   | 112-53-8 | 13.484          | 30.335 |      | 11-Hexadecen-1-ol, (Z)-   | 56683-54-6                    | -    | 1.094 |    | cis-9-Tetradecen-1-ol | 35153-15-2 | 1.989 | 6.522 |    | 1-Tetradecanol      | 112-72-1 | 1.224 | 5.711 | <b>Monoterpenes</b> | $\alpha$ -Pinene    | 80-56-8 | 3.055 | 0.443 |    | ( $\pm$ )- $\beta$ -Pinene | 127-91-3 | 7.354 | 0.707 |    | $\beta$ -Myrcene       | 123-35-3 | 1.524 | -   |    | ( $\gamma$ )- $\mu$ -Menth-1(6),8-diene | 1461-27-4 | 0.291 | -   |    | Eucalyptol    | 470-82-6 | 0.312 | -   |    | trans- $\beta$ -Ocimene | 3779-61-1 | 0.154 | -   |    | Pinocamphone       | 547-60-4 | 0.162 | -   |    | 3-Pinanone        | 15358-88-0 | 1.985 | 0.358 |    | Terpinen-4-ol       | 562-74-3 | 0.152 | -   |    | $\alpha$ -Terpineol | 98-55-5 | 0.692 | -   |    | Methyl myrtenate | 30649-97-9 | 2.674 | 0.711 |    | ( $\pm$ )-3-Carene, 10-(acetyl/methyl)- | 163886-28-0 | 1.064 | 0.438 | <b>Sesquiterpenes</b> | $\beta$ -Elemene, (-) | 515-13-9 | 0.245 | -   |    | Caryophyllene       | 87-44-5 | 12.575 | 7.857 |    | Humulene           | 6753-98-6 | 15.207 | 9.852 | <p><b>Table 1</b><br/>Volatile constituents of <i>E. elatior</i> leaf essential oils from hydrodistillation (HD) and microwave-assisted hydrodistillation (MAHD).</p> | <p>The results are presented as area sum, %.</p> |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Compounds  | CAS No.   | HD   | MAHD     |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| <b>Aldehyde</b>   | Decanal  | 112-31-2  | 0.556  | 0.705    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Undecanal  | 112-44-7  | 0.203  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Dodecanal  | 112-54-9  | 10.024   | 12.422   |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| <b>Alkene</b>   | 9-Octadecyne   | 35365-59-4  | -  | 0.725    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| <b>Carboxylic ester</b>   | 9-Tetradecen-1-ol, acetate, (E)-   | 23192-82-7  | 0.249  | 0.919    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | 1-Tetradecyl acetate   | 638-59-5  | 0.334  | 0.669    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Lauryl acetate   | 112-66-3  | 2.245  | 6.599    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| <b>Dialkyl ketone</b>   | 2-Undecanone   | 112-12-9  | 0.274  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| <b>Fatty acids</b>  | Dodecanoic acid  | 143-07-7  | 0.542  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Hexadecanoic acid  | 57-10-3   | 0.334  | 1.136    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| <b>Fatty aldehyde</b>   | cis,cis-7,10,-Hexadecadienal   | 56829-23-3  | 0.351  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | 7-Tetradecenal, (Z)-   | 65128-96-3  | -  | 1.084    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Pentadecanal-  | 2765-11-9   | 0.264  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| <b>Fatty alcohols</b>   | 1-Decanol  | 112-30-1  | 0.425  | 0.802    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | 1-Dodecanol  | 112-53-8  | 13.484   | 30.335   |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | 11-Hexadecen-1-ol, (Z)-  | 56683-54-6  | -  | 1.094    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | cis-9-Tetradecen-1-ol  | 35153-15-2  | 1.989  | 6.522    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | 1-Tetradecanol   | 112-72-1  | 1.224  | 5.711    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| <b>Monoterpenes</b>   | $\alpha$ -Pinene   | 80-56-8   | 3.055  | 0.443    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | ( $\pm$ )- $\beta$ -Pinene   | 127-91-3  | 7.354  | 0.707    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | $\beta$ -Myrcene   | 123-35-3  | 1.524  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | ( $\gamma$ )- $\mu$ -Menth-1(6),8-diene  | 1461-27-4   | 0.291  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Eucalyptol   | 470-82-6  | 0.312  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | trans- $\beta$ -Ocimene  | 3779-61-1   | 0.154  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Pinocamphone   | 547-60-4  | 0.162  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | 3-Pinanone   | 15358-88-0  | 1.985  | 0.358    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Terpinen-4-ol  | 562-74-3  | 0.152  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | $\alpha$ -Terpineol  | 98-55-5   | 0.692  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Methyl myrtenate   | 30649-97-9  | 2.674  | 0.711    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | ( $\pm$ )-3-Carene, 10-(acetyl/methyl)-  | 163886-28-0   | 1.064  | 0.438    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| <b>Sesquiterpenes</b>   | $\beta$ -Elemene, (-)  | 515-13-9  | 0.245  | -        |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Caryophyllene  | 87-44-5   | 12.575   | 7.857    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
|   | Humulene   | 6753-98-6   | 15.207   | 9.852    |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| <a href="https://europepmc.org/article/MED/35406974#free-full-text">https://europepmc.org/article/MED/35406974#free-full-text</a> | The Phytochemical Profile and Anticancer Activity of <i>Anthemis tinctoria</i> and <i>Angelica sylvestris</i> Used in Estonian Ethnomedicine.                | <a href="https://europepmc.org/articles/PMC9003001/table/plants-11-00994-t001/">https://europepmc.org/articles/PMC9003001/table/plants-11-00994-t001/</a>     | <p><b>Table 1</b><br/>Essential oil content of aerial parts of <i>Anthemis tinctoria</i>.</p> <table border="1"> <thead> <tr> <th>Compound</th> <th>RI *</th> <th>Content in Essential Oil (%)</th> </tr> </thead> <tbody> <tr><td>Sabinene</td><td>972</td><td>0.7</td></tr> <tr><td><math>\beta</math>-Pinene</td><td>975</td><td>2.7</td></tr> <tr><td>Myrcene</td><td>983</td><td>1.0</td></tr> <tr><td>p-Cymene</td><td>1019</td><td>12.6</td></tr> <tr><td>(Z)-<math>\beta</math>-Ocimene</td><td>1040</td><td>4.3</td></tr> <tr><td>(E)-<math>\beta</math>-Ocimene</td><td>1048</td><td>2.6</td></tr> <tr><td>Isoborneol</td><td>1147</td><td>2.1</td></tr> <tr><td>Terpinen-4-ol</td><td>1174</td><td>4.0</td></tr> <tr><td>Crysanthenyl acetate</td><td>1260</td><td>3.6</td></tr> <tr><td><math>\delta</math>-Cadinene</td><td>1520</td><td>1.6</td></tr> <tr><td>Caryophyllene oxide</td><td>1572</td><td>2.8</td></tr> <tr><td>Isocaryophyllene oxide/caryophyllenol</td><td>1577</td><td>3.9</td></tr> <tr><td>Humulene epoxide</td><td>1603</td><td>2.9</td></tr> <tr><td><math>\delta</math>-Cadinol</td><td>1638</td><td>6.6</td></tr> <tr><td><math>\alpha</math>-Muurolene</td><td>1648</td><td>12.5</td></tr> <tr><td>2-Pentadecanol</td><td>1680</td><td>2.5</td></tr> <tr><td>Nerolidol acetate</td><td>1720</td><td>2.5</td></tr> <tr><td>n-Hexadecanal</td><td>1814</td><td>2.5</td></tr> <tr><td>Palmitic acid</td><td>1967</td><td>15.3</td></tr> <tr><td>Unknown</td><td>2534</td><td>12.6</td></tr> <tr><td>Total</td><td></td><td>99.3</td></tr> <tr><td>Monoterpenes</td><td></td><td>15.5</td></tr> <tr><td>Cyclic monoterpenes</td><td></td><td>5.5</td></tr> <tr><td>Bicyclic sesquiterpenes</td><td></td><td>6.7</td></tr> <tr><td>Sesquiterpenes</td><td></td><td>24.5</td></tr> <tr><td>Other compounds</td><td></td><td>47.1</td></tr> </tbody> </table> <p>* RI, retention index.</p>   | Compound | RI *         | Content in Essential Oil (%) | Sabinene        | 972    | 0.7             | $\beta$ -Pinene | 975      | 2.7   | Myrcene | 983 | 1.0       | p-Cymene | 1019  | 12.6 | (Z)- $\beta$ -Ocimene | 1040         | 4.3      | (E)- $\beta$ -Ocimene | 1048   | 2.6           | Isoborneol          | 1147       | 2.1  | Terpinen-4-ol | 1174                    | 4.0                              | Crysanthenyl acetate | 1260  | 3.6   | $\delta$ -Cadinene | 1520                 | 1.6      | Caryophyllene oxide | 1572  | 2.8 | Isocaryophyllene oxide/caryophyllenol | 1577     | 3.9   | Humulene epoxide | 1603                  | 2.9             | $\delta$ -Cadinol | 1638  | 6.6 | $\alpha$ -Muurolene | 1648            | 12.5     | 2-Pentadecanol | 1680 | 2.5 | Nerolidol acetate  | 1720    | 2.5   | n-Hexadecanal | 1814                  | 2.5                          | Palmitic acid | 1967  | 15.3 | Unknown | 2534                     | 12.6       | Total |       | 99.3 | Monoterpenes       |           | 15.5  | Cyclic monoterpenes |                       | 5.5             | Bicyclic sesquiterpenes |       | 6.7   | Sesquiterpenes |               | 24.5     | Other compounds |        | 47.1 | <p><b>Table 1</b><br/>Essential oil content of aerial parts of <i>Anthemis tinctoria</i>.</p> | <p>* RI, retention index.</p> |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Compound  | RI *   | Content in Essential Oil (%)  |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Sabinene  | 972  | 0.7   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| $\beta$ -Pinene   | 975  | 2.7   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Myrcene   | 983  | 1.0   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| p-Cymene  | 1019   | 12.6  |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| (Z)- $\beta$ -Ocimene   | 1040   | 4.3   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| (E)- $\beta$ -Ocimene   | 1048   | 2.6   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Isoborneol  | 1147   | 2.1   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Terpinen-4-ol   | 1174   | 4.0   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Crysanthenyl acetate  | 1260   | 3.6   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| $\delta$ -Cadinene  | 1520   | 1.6   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Caryophyllene oxide   | 1572   | 2.8   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Isocaryophyllene oxide/caryophyllenol   | 1577   | 3.9   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Humulene epoxide  | 1603   | 2.9   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| $\delta$ -Cadinol   | 1638   | 6.6   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| $\alpha$ -Muurolene   | 1648   | 12.5  |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| 2-Pentadecanol  | 1680   | 2.5   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Nerolidol acetate   | 1720   | 2.5   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| n-Hexadecanal   | 1814   | 2.5   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Palmitic acid   | 1967   | 15.3  |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Unknown   | 2534   | 12.6  |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Total   |  | 99.3  |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Monoterpenes  |  | 15.5  |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Cyclic monoterpenes   |  | 5.5   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Bicyclic sesquiterpenes   |  | 6.7   |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Sesquiterpenes  |  | 24.5  |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |
| Other compounds   |  | 47.1  |  |          |              |                              |                 |        |                 |                 |          |       |         |     |           |          |       |      |                       |              |          |                       |        |               |                     |            |      |               |                         |                                  |                      |       |       |                    |                      |          |                     |       |     |                                       |          |       |                  |                       |                 |                   |       |     |                     |                 |          |                |      |     |                    |         |       |               |                       |                              |               |       |      |         |                          |            |       |       |      |                    |           |       |                     |                       |                 |                         |       |       |                |               |          |                 |        |      |   |                               |      |       |    |                       |            |       |       |    |                     |          |       |       |                     |                     |         |       |       |    |                            |          |       |       |    |                        |          |       |     |    |   |           |       |     |    |               |          |       |     |    |                         |           |       |     |    |                    |          |       |     |    |                   |            |       |       |    |                     |          |       |     |    |                     |         |       |     |    |                  |            |       |       |    |   |             |       |       |                       |                       |          |       |     |    |                     |         |        |       |    |                    |           |        |       |   |  |      |      |     |     |     |     |     |     |     |     |   |  |

| URL   | Title   | Table Link  | Table Pic (top)   | Table Header                              | Table footer                                 |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
|---|---|---|---|---|--|---|-------------------------------------|--------------------------------------|-------------------------------|-------------------------------------|--------------------------------------|-------------------------------|-------------|-------------|-------------|-------------------------|-------------------------|-------------------------|---------------------|---------------------|---------------------|---|---|-----------------|------------------|------------------|------------------|------|------------------|--------------------------|--------------|--------------|-----|---------------------------------|---------------------------------|-----|-------|-------|--------------------|-------------------------------|------|-----|-----------------------|-----------------------|-----------------------|---------------------|---------------------|---------------------|-----------------------|--------------|---------------|--------------------------|-----|-----------------------|------------------------|------------------------|------------------------|------|------------------|------|------------|-----|---------------|---------------------------------|------|-----|----------------------|-----|---------------------|------|----------------------|----------------------|---------------|----------------------|---------------|-----------------------|-----|-----|---------------------------|------|----------|-----------------------|-----|-----------------------------|------------|------------|------------|-----------------------|-----------------------|-----------------------|----------------------|-----|-----|---------------------|------|-----|----------|-----|--------------------|------|------------------------------|-----|------|--------------|----------|-----------------------|-----|-----|---------------------|------------|------------|-----------------------|-----|--------------------|----------|----------|--------------------|--------------------------------|------------------|------|------|-----------|-----------|-----------------------|------|-----|------|--------------|---------------------|---|--|-----|------|---------------------------------------|---------------|-------|-------|---------------|----------------------------|------|-----|---------------------|---------------------|---------------------|------|-----|----------|---------------------|-------------------|------|------|-----|----------|------------------------|------|-----|------|-----|--------------------|----------------------------|----|-----|------|---------|----------|-------------------------|-------------------------|----|---------------|------|----------|-----------------------|----|-------|------|------|----------|---------------------|----|---|---------------------------------------|-----|---------------|------------------------|------------------------|----|------|-----|----------|--------------------------------|--------------------------------|----|--|--|
| <a href="https://europepmc.org/article/MED/35406974#free-full-text">https://europepmc.org/article/MED/35406974#free-full-text</a> | The Phytochemical Profile and Anticancer Activity of <i>Anthemis tinctoria</i> and <i>Angelica sylvestris</i> Used in Estonian Ethnomedicine. | <a href="https://europepmc.org/articles/PMC9003001/table/plants-11-00994-t002/">https://europepmc.org/articles/PMC9003001/table/plants-11-00994-t002/</a> | <p><b>Table 2</b><br/>Essential oils content of aerial parts and roots of <i>Angelica sylvestris</i>.</p> <table border="1"> <thead> <tr> <th>Compound</th> <th>RI *</th> <th>Content in Essential Oils (%)<br/>(DB-5)</th> <th>Aerial Parts</th> <th>Roots</th> </tr> </thead> <tbody> <tr><td><math>\alpha</math>-Pinene</td><td>933</td><td>45.4</td><td>12.4</td><td></td></tr> <tr><td>Camphene</td><td>946</td><td>4.6</td><td>nf</td><td></td></tr> <tr><td>Sabinene</td><td>971</td><td>1.1</td><td>nf</td><td></td></tr> <tr><td><math>\beta</math>-Pinene</td><td>974</td><td>2.0</td><td>nf</td><td></td></tr> <tr><td><math>\beta</math>-Myrcene</td><td>990</td><td>13.3</td><td>nf</td><td></td></tr> <tr><td><math>\alpha</math>-Terpinen</td><td>1014</td><td>0.4</td><td>0.7</td><td></td></tr> <tr><td>p-Cymene</td><td>1018</td><td>15.5</td><td>8.2</td><td></td></tr> <tr><td><math>\beta</math>-Phellandrene</td><td>1030</td><td>1.3</td><td>nf</td><td></td></tr> <tr><td>(Z)-<math>\beta</math>-Ocimene</td><td>1040</td><td>1.1</td><td>0.9</td><td></td></tr> <tr><td>(E)-<math>\beta</math>-Ocimene</td><td>1048</td><td>0.7</td><td>nf</td><td></td></tr> <tr><td>Terpinolene</td><td>1085</td><td>1.2</td><td>nf</td><td></td></tr> <tr><td>n-Nonanal</td><td>1108</td><td>nf</td><td>1.3</td><td></td></tr> <tr><td><math>\alpha</math>-Terpineol</td><td>1188</td><td>nf</td><td>1.2</td><td></td></tr> <tr><td>(E)-Verbenyl acetate</td><td>1301</td><td>1.4</td><td>nf</td><td></td></tr> <tr><td><math>\beta</math>-Elemene</td><td>1391</td><td>nf</td><td>1.2</td><td></td></tr> <tr><td>(E)-<math>\beta</math>-Caryophyllene</td><td>1416</td><td>0.8</td><td>nf</td><td></td></tr> <tr><td><math>\beta</math>-Copaene</td><td>1424</td><td>nf</td><td>2.7</td><td></td></tr> <tr><td><math>\alpha</math>-Humulene</td><td>1450</td><td>1.0</td><td>nf</td><td></td></tr> <tr><td><math>\beta</math>-Farnesene</td><td>1456</td><td>nf</td><td>2.2</td><td></td></tr> <tr><td>Germacrene D</td><td>1477</td><td>3.2</td><td>nf</td><td></td></tr> <tr><td><math>\beta</math>-Bisabolene</td><td>1501</td><td>nf</td><td>1.5</td><td></td></tr> <tr><td><math>\gamma</math>-Cadinene</td><td>1507</td><td>0.8</td><td>nf</td><td></td></tr> <tr><td>Cadina-1,4-diene</td><td>1536</td><td>nf</td><td>2.3</td><td></td></tr> <tr><td>Elemol</td><td>1546</td><td>nf</td><td>3.4</td><td></td></tr> <tr><td>Caryophyllene oxide</td><td>1573</td><td>nf</td><td>2.4</td><td></td></tr> <tr><td>Isocaryophyllene oxide/caryophyllenol</td><td>1582</td><td>nf</td><td>31.9</td><td></td></tr> <tr><td>Epiglobulifumulene epoxide</td><td>1614</td><td>nf</td><td>1.4</td><td></td></tr> <tr><td><math>\alpha</math>-Murolene</td><td>1648</td><td>nf</td><td>4.2</td><td></td></tr> <tr><td><math>\alpha</math>-Cadinol</td><td>1663</td><td>nf</td><td>1.7</td><td></td></tr> <tr><td><math>\alpha</math>-Bisabolol</td><td>1680</td><td>1.4</td><td>17.5</td><td></td></tr> <tr><td>Nerolidol acetate</td><td>1721</td><td>nf</td><td>1.3</td><td></td></tr> <tr><td>Unknown</td><td>1857</td><td>nf</td><td>1.5</td><td></td></tr> <tr><td>Palmitic acid</td><td>1965</td><td>3.3</td><td>nf</td><td></td></tr> <tr><td>Total</td><td></td><td>99.9</td><td>99.9</td><td></td><td></td></tr> </tbody> </table> <p>* RI, retention index; nf, not found.</p>  | Compound                                  | RI *   | Content in Essential Oils (%)<br>(DB-5) | Aerial Parts                        | Roots                                | $\alpha$ -Pinene              | 933                                 | 45.4                                 | 12.4                          |             | Camphene    | 946         | 4.6                     | nf                      |                         | Sabinene            | 971                 | 1.1                 | nf  |   | $\beta$ -Pinene | 974              | 2.0              | nf               |      | $\beta$ -Myrcene | 990                      | 13.3         | nf           |     | $\alpha$ -Terpinen              | 1014                            | 0.4 | 0.7   |       | p-Cymene           | 1018                          | 15.5 | 8.2 |                       | $\beta$ -Phellandrene | 1030                  | 1.3                 | nf                  |                     | (Z)- $\beta$ -Ocimene | 1040         | 1.1           | 0.9                      |     | (E)- $\beta$ -Ocimene | 1048                   | 0.7                    | nf                     |      | Terpinolene      | 1085 | 1.2        | nf  |               | n-Nonanal                       | 1108 | nf  | 1.3                  |     | $\alpha$ -Terpineol | 1188 | nf                   | 1.2                  |               | (E)-Verbenyl acetate | 1301          | 1.4                   | nf  |     | $\beta$ -Elemene          | 1391 | nf       | 1.2                   |     | (E)- $\beta$ -Caryophyllene | 1416       | 0.8        | nf         |                       | $\beta$ -Copaene      | 1424                  | nf                   | 2.7 |     | $\alpha$ -Humulene  | 1450 | 1.0 | nf       |     | $\beta$ -Farnesene | 1456 | nf                           | 2.2 |      | Germacrene D | 1477     | 3.2                   | nf  |     | $\beta$ -Bisabolene | 1501       | nf         | 1.5                   |     | $\gamma$ -Cadinene | 1507     | 0.8      | nf                 |                                | Cadina-1,4-diene | 1536 | nf   | 2.3       |           | Elemol                | 1546 | nf  | 3.4  |              | Caryophyllene oxide | 1573  | nf   | 2.4 |      | Isocaryophyllene oxide/caryophyllenol | 1582          | nf    | 31.9  |               | Epiglobulifumulene epoxide | 1614 | nf  | 1.4                 |                     | $\alpha$ -Murolene  | 1648 | nf  | 4.2      |                     | $\alpha$ -Cadinol | 1663 | nf   | 1.7 |          | $\alpha$ -Bisabolol    | 1680 | 1.4 | 17.5 |     | Nerolidol acetate  | 1721                       | nf | 1.3 |      | Unknown | 1857     | nf                      | 1.5                     |    | Palmitic acid | 1965 | 3.3      | nf                    |    | Total |      | 99.9 | 99.9     |                     |    | <p><b>Table 2</b><br/>Essential oils content of aerial parts and roots of <i>Angelica sylvestris</i>.</p> | * RI, retention index; nf, not found. |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Compound  | RI *  | Content in Essential Oils (%)<br>(DB-5)   | Aerial Parts  | Roots                                     |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\alpha$ -Pinene  | 933   | 45.4  | 12.4  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Camphene  | 946   | 4.6   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Sabinene  | 971   | 1.1   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\beta$ -Pinene   | 974   | 2.0   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\beta$ -Myrcene  | 990   | 13.3  | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\alpha$ -Terpinen  | 1014  | 0.4   | 0.7   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| p-Cymene  | 1018  | 15.5  | 8.2   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\beta$ -Phellandrene   | 1030  | 1.3   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| (Z)- $\beta$ -Ocimene   | 1040  | 1.1   | 0.9   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| (E)- $\beta$ -Ocimene   | 1048  | 0.7   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Terpinolene   | 1085  | 1.2   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| n-Nonanal   | 1108  | nf  | 1.3   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\alpha$ -Terpineol   | 1188  | nf  | 1.2   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| (E)-Verbenyl acetate  | 1301  | 1.4   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\beta$ -Elemene  | 1391  | nf  | 1.2   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| (E)- $\beta$ -Caryophyllene   | 1416  | 0.8   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\beta$ -Copaene  | 1424  | nf  | 2.7   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\alpha$ -Humulene  | 1450  | 1.0   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\beta$ -Farnesene  | 1456  | nf  | 2.2   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Germacrene D  | 1477  | 3.2   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\beta$ -Bisabolene   | 1501  | nf  | 1.5   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\gamma$ -Cadinene  | 1507  | 0.8   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Cadina-1,4-diene  | 1536  | nf  | 2.3   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Elemol  | 1546  | nf  | 3.4   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Caryophyllene oxide   | 1573  | nf  | 2.4   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Isocaryophyllene oxide/caryophyllenol   | 1582  | nf  | 31.9  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Epiglobulifumulene epoxide  | 1614  | nf  | 1.4   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\alpha$ -Murolene  | 1648  | nf  | 4.2   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\alpha$ -Cadinol   | 1663  | nf  | 1.7   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $\alpha$ -Bisabolol   | 1680  | 1.4   | 17.5  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Nerolidol acetate   | 1721  | nf  | 1.3   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Unknown   | 1857  | nf  | 1.5   |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Palmitic acid   | 1965  | 3.3   | nf  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| Total   |   | 99.9  | 99.9  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| <a href="https://europepmc.org/article/MED/35406974#free-full-text">https://europepmc.org/article/MED/35406974#free-full-text</a> | The Phytochemical Profile and Anticancer Activity of <i>Anthemis tinctoria</i> and <i>Angelica sylvestris</i> Used in Estonian Ethnomedicine. | <a href="https://europepmc.org/articles/PMC9003001/table/plants-11-00994-t003/">https://europepmc.org/articles/PMC9003001/table/plants-11-00994-t003/</a> | <p><b>Table 3</b><br/>Polyphenolic compounds identified in the methanolic extracts of <i>A. tinctoria</i> and <i>A. sylvestris</i> by HPLC-ion trap MS/MS.</p> <table border="1"> <thead> <tr> <th rowspan="2"><math>t_R</math> (min)</th> <th rowspan="2">[M-H]<sup>-</sup></th> <th rowspan="2">MS/MS</th> <th colspan="3">Plant Material/Substance</th> </tr> <tr> <th>Aerial Parts of <i>A. tinctoria</i></th> <th>Aerial Parts of <i>A. sylvestris</i></th> <th>Roots of <i>A. sylvestris</i></th> </tr> </thead> <tbody> <tr><td>0.5</td><td>341</td><td>179, 161</td><td>Caffeic acid glucosides</td><td>Caffeic acid glucosides</td><td>Caffeic acid glucosides</td></tr> <tr><td>1.7</td><td>315</td><td>225, 153, 109</td><td>Protocatechuic or gentisic acid glucoside</td><td>Protocatechuic or gentisic acid glucoside</td><td>nf</td></tr> <tr><td>4.3</td><td>325</td><td>163, 119</td><td>nf</td><td>nf</td><td>Coumaric acid glucosides</td></tr> <tr><td>5.1</td><td>299</td><td>137</td><td>4-Hydroxybenzoic acid glucoside</td><td>4-Hydroxybenzoic acid glucoside</td><td>nf</td></tr> <tr><td>10.3</td><td>339</td><td>281, 251, 177, 135</td><td>Daphnin = daphnetin glucoside</td><td>nf</td><td>nf</td></tr> <tr><td>12.5</td><td>353</td><td>191, 179, 173, 135</td><td>Neochlorogenic acid</td><td>Neochlorogenic acid</td><td>Neochlorogenic acid</td></tr> <tr><td>15.2</td><td>385</td><td>223, 179, 163</td><td>Sinapinic acid glucoside</td><td>nf</td><td>nf</td></tr> <tr><td>15.5</td><td>353</td><td>306, 191, 135</td><td>nf</td><td>Chlorogenic acid</td><td>nf</td></tr> <tr><td>16.5</td><td>639</td><td>463, 301, 535</td><td>Quercetin glucoside glucuronide</td><td>nf</td><td>nf</td></tr> <tr><td>16.7</td><td>337</td><td>191, 163, 173</td><td>nf</td><td>Coumaroylquinic acid</td><td>Coumaroylquinic acid</td></tr> <tr><td>17.3</td><td>625</td><td>463, 301</td><td>Quercetin diglucoside</td><td>nf</td><td>nf</td></tr> <tr><td>17.8</td><td>335</td><td>179, 135</td><td>Caffeoylshikimic acid</td><td>nf</td><td>nf</td></tr> <tr><td>18.6</td><td>367</td><td>191, 173</td><td>5-Feruloylquinic acid</td><td>5-Feruloylquinic acid</td><td>5-Feruloylquinic acid</td></tr> <tr><td>19.8?</td><td>479</td><td>317</td><td>Myricetin glucoside</td><td>nf</td><td>nf</td></tr> <tr><td>20.9</td><td>625</td><td>301</td><td>nf</td><td>Quercetinilucoside-glucoside</td><td>nf</td></tr> <tr><td>21.3</td><td>655</td><td>493, 331</td><td>Patuletin diglucoside</td><td>nf</td><td>nf</td></tr> <tr><td>22.0</td><td>449</td><td>287, 151</td><td>Eriodictyol glucoside</td><td>nf</td><td>nf</td></tr> <tr><td>22.2</td><td>741</td><td>609, 475, 343, 301</td><td>Quercetin rutinoside pentoside</td><td>nf</td><td>nf</td></tr> <tr><td>22.6</td><td>477</td><td>301, 373</td><td>Quercetin glucuronide</td><td>nf</td><td>nf</td></tr> <tr><td>22.8</td><td>463</td><td>301, 179, 343</td><td>Quercetin galactoside</td><td>Quercetin galactoside</td><td>nf</td></tr> <tr><td>23.2</td><td>609</td><td>301, 343, 271</td><td>Rutin</td><td>Rutin</td><td>Rutin, traces</td></tr> <tr><td>23.3</td><td>463</td><td>301</td><td>Quercetin glucoside</td><td>Quercetin glucoside</td><td>Quercetin glucoside</td></tr> <tr><td>24.0</td><td>493</td><td>331, 373</td><td>Patuletin glucoside</td><td>nf</td><td>nf</td></tr> <tr><td>24.9</td><td>477</td><td>315, 433</td><td>Isorhamnetin glucoside</td><td>nf</td><td>nf</td></tr> <tr><td>24.9</td><td>505</td><td>463, 301, 179, 151</td><td>Quercetin acetyl glucoside</td><td>nf</td><td>nf</td></tr> <tr><td>25.4</td><td>515</td><td>353, 191</td><td>Dicaffeoylquinic acid 1</td><td>Dicaffeoylquinic acid 1</td><td>nf</td></tr> <tr><td>26.4</td><td>493</td><td>331, 287</td><td>Patuletin-7-glucoside</td><td>nf</td><td>nf</td></tr> <tr><td>26.4</td><td>373</td><td>211, 193</td><td>Pinosylin glucoside</td><td>nf</td><td>nf</td></tr> <tr><td>26.7</td><td>477</td><td>315, 357, 300</td><td>Isorhamnetin glucoside</td><td>Isorhamnetin glucoside</td><td>nf</td></tr> <tr><td>77.9</td><td>607</td><td>200, 704</td><td>Diosmetin rutinoside = diosmin</td><td>Diosmetin rutinoside = diosmin</td><td>nf</td></tr> </tbody> </table> <p><math>t_R</math>, retention time; [M-H]<sup>-</sup>, ion mass; MS/MS, mass of identified fragments; nf, not found.</p> | $t_R$ (min)                               | [M-H] <sup>-</sup>                           | MS/MS                                   | Plant Material/Substance            |                                      |                               | Aerial Parts of <i>A. tinctoria</i> | Aerial Parts of <i>A. sylvestris</i> | Roots of <i>A. sylvestris</i> | 0.5         | 341         | 179, 161    | Caffeic acid glucosides | Caffeic acid glucosides | Caffeic acid glucosides | 1.7                 | 315                 | 225, 153, 109       | Protocatechuic or gentisic acid glucoside | Protocatechuic or gentisic acid glucoside | nf              | 4.3              | 325              | 163, 119         | nf   | nf               | Coumaric acid glucosides | 5.1          | 299          | 137 | 4-Hydroxybenzoic acid glucoside | 4-Hydroxybenzoic acid glucoside | nf  | 10.3  | 339   | 281, 251, 177, 135 | Daphnin = daphnetin glucoside | nf   | nf  | 12.5                  | 353                   | 191, 179, 173, 135    | Neochlorogenic acid | Neochlorogenic acid | Neochlorogenic acid | 15.2                  | 385          | 223, 179, 163 | Sinapinic acid glucoside | nf  | nf                    | 15.5                   | 353                    | 306, 191, 135          | nf   | Chlorogenic acid | nf   | 16.5       | 639 | 463, 301, 535 | Quercetin glucoside glucuronide | nf   | nf  | 16.7                 | 337 | 191, 163, 173       | nf   | Coumaroylquinic acid | Coumaroylquinic acid | 17.3          | 625                  | 463, 301      | Quercetin diglucoside | nf  | nf  | 17.8                      | 335  | 179, 135 | Caffeoylshikimic acid | nf  | nf                          | 18.6       | 367        | 191, 173   | 5-Feruloylquinic acid | 5-Feruloylquinic acid | 5-Feruloylquinic acid | 19.8?                | 479 | 317 | Myricetin glucoside | nf   | nf  | 20.9     | 625 | 301                | nf   | Quercetinilucoside-glucoside | nf  | 21.3 | 655          | 493, 331 | Patuletin diglucoside | nf  | nf  | 22.0                | 449        | 287, 151   | Eriodictyol glucoside | nf  | nf                 | 22.2     | 741      | 609, 475, 343, 301 | Quercetin rutinoside pentoside | nf               | nf   | 22.6 | 477       | 301, 373  | Quercetin glucuronide | nf   | nf  | 22.8 | 463          | 301, 179, 343       | Quercetin galactoside   | Quercetin galactoside  | nf  | 23.2 | 609                                   | 301, 343, 271 | Rutin | Rutin | Rutin, traces | 23.3                       | 463  | 301 | Quercetin glucoside | Quercetin glucoside | Quercetin glucoside | 24.0 | 493 | 331, 373 | Patuletin glucoside | nf                | nf   | 24.9 | 477 | 315, 433 | Isorhamnetin glucoside | nf   | nf  | 24.9 | 505 | 463, 301, 179, 151 | Quercetin acetyl glucoside | nf | nf  | 25.4 | 515     | 353, 191 | Dicaffeoylquinic acid 1 | Dicaffeoylquinic acid 1 | nf | 26.4          | 493  | 331, 287 | Patuletin-7-glucoside | nf | nf    | 26.4 | 373  | 211, 193 | Pinosylin glucoside | nf | nf  | 26.7                                  | 477 | 315, 357, 300 | Isorhamnetin glucoside | Isorhamnetin glucoside | nf | 77.9 | 607 | 200, 704 | Diosmetin rutinoside = diosmin | Diosmetin rutinoside = diosmin | nf | <p><b>Table 3</b><br/>Polyphenolic compounds identified in the methanolic extracts of <i>A. tinctoria</i> and <i>A. sylvestris</i> by HPLC-ion trap MS/MS.</p> | tR, retention time; [M-H] <sup>-</sup> , ion mass; MS/MS, mass of identified fragments; nf, not found. |
| $t_R$ (min)   | [M-H] <sup>-</sup>  | MS/MS   | Plant Material/Substance  |   |  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
|   |   |   | Aerial Parts of <i>A. tinctoria</i>   | Aerial Parts of <i>A. sylvestris</i>      | Roots of <i>A. sylvestris</i>                |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 0.5   | 341   | 179, 161  | Caffeic acid glucosides   | Caffeic acid glucosides                   | Caffeic acid glucosides                      |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 1.7   | 315   | 225, 153, 109   | Protocatechuic or gentisic acid glucoside   | Protocatechuic or gentisic acid glucoside | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 4.3   | 325   | 163, 119  | nf  | nf  | Coumaric acid glucosides                     |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 5.1   | 299   | 137   | 4-Hydroxybenzoic acid glucoside   | 4-Hydroxybenzoic acid glucoside           | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 10.3  | 339   | 281, 251, 177, 135  | Daphnin = daphnetin glucoside   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 12.5  | 353   | 191, 179, 173, 135  | Neochlorogenic acid   | Neochlorogenic acid                       | Neochlorogenic acid                          |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 15.2  | 385   | 223, 179, 163   | Sinapinic acid glucoside  | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 15.5  | 353   | 306, 191, 135   | nf  | Chlorogenic acid                          | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 16.5  | 639   | 463, 301, 535   | Quercetin glucoside glucuronide   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 16.7  | 337   | 191, 163, 173   | nf  | Coumaroylquinic acid                      | Coumaroylquinic acid                         |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 17.3  | 625   | 463, 301  | Quercetin diglucoside   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 17.8  | 335   | 179, 135  | Caffeoylshikimic acid   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 18.6  | 367   | 191, 173  | 5-Feruloylquinic acid   | 5-Feruloylquinic acid                     | 5-Feruloylquinic acid                        |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 19.8?   | 479   | 317   | Myricetin glucoside   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 20.9  | 625   | 301   | nf  | Quercetinilucoside-glucoside              | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 21.3  | 655   | 493, 331  | Patuletin diglucoside   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 22.0  | 449   | 287, 151  | Eriodictyol glucoside   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 22.2  | 741   | 609, 475, 343, 301  | Quercetin rutinoside pentoside  | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 22.6  | 477   | 301, 373  | Quercetin glucuronide   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 22.8  | 463   | 301, 179, 343   | Quercetin galactoside   | Quercetin galactoside                     | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 23.2  | 609   | 301, 343, 271   | Rutin   | Rutin                                     | Rutin, traces                                |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 23.3  | 463   | 301   | Quercetin glucoside   | Quercetin glucoside                       | Quercetin glucoside                          |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 24.0  | 493   | 331, 373  | Patuletin glucoside   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 24.9  | 477   | 315, 433  | Isorhamnetin glucoside  | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 24.9  | 505   | 463, 301, 179, 151  | Quercetin acetyl glucoside  | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 25.4  | 515   | 353, 191  | Dicaffeoylquinic acid 1   | Dicaffeoylquinic acid 1                   | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 26.4  | 493   | 331, 287  | Patuletin-7-glucoside   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 26.4  | 373   | 211, 193  | Pinosylin glucoside   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 26.7  | 477   | 315, 357, 300   | Isorhamnetin glucoside  | Isorhamnetin glucoside                    | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 77.9  | 607   | 200, 704  | Diosmetin rutinoside = diosmin  | Diosmetin rutinoside = diosmin            | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| <a href="https://europepmc.org/article/MED/35406974#free-full-text">https://europepmc.org/article/MED/35406974#free-full-text</a> | The Phytochemical Profile and Anticancer Activity of <i>Anthemis tinctoria</i> and <i>Angelica sylvestris</i> Used in Estonian Ethnomedicine. | <a href="https://europepmc.org/articles/PMC9003001/table/plants-11-00994-t004/">https://europepmc.org/articles/PMC9003001/table/plants-11-00994-t004/</a> | <p><b>Table 4</b><br/>Polyphenolic compounds identified in the methanolic extract of <i>A. tinctoria</i> and <i>A. sylvestris</i> by the UPLC-triple quadrupole MS/MS (MRM) method.</p> <table border="1"> <thead> <tr> <th><math>t_R</math> (min)</th> <th>Precursor Ion<br/>(m/z)<br/>[M-H]<sup>-</sup></th> <th>Product Ion<br/>(m/z)<br/>MS/MS</th> <th>Aerial Parts of <i>A. tinctoria</i></th> <th>Aerial Parts of <i>A. sylvestris</i></th> <th>Roots of <i>A. sylvestris</i></th> </tr> </thead> <tbody> <tr><td>0.46</td><td>191</td><td>85</td><td>Quinic acid</td><td>Quinic acid</td><td>Quinic acid</td></tr> <tr><td>2.80</td><td>353</td><td>191</td><td>Neochlorogenic acid</td><td>Neochlorogenic acid</td><td>Neochlorogenic acid</td></tr> <tr><td>3.75</td><td>353</td><td>191</td><td>Chlorogenic acid</td><td>Chlorogenic acid</td><td>Chlorogenic acid</td></tr> <tr><td>3.98</td><td>179</td><td>107</td><td>Caffeic acid</td><td>Caffeic acid</td><td>nf</td></tr> <tr><td>5.06</td><td>609</td><td>300</td><td>Rutin</td><td>Rutin</td><td>nf</td></tr> <tr><td>5.15</td><td>593</td><td>285</td><td>Luteolin 7-rutinoside</td><td>Luteolin 7-rutinoside</td><td>Luteolin 7-rutinoside</td></tr> <tr><td>5.18</td><td>193</td><td>134</td><td>Ferulic acid</td><td>Ferulic acid</td><td>Ferulic acid</td></tr> <tr><td>5.39/5.55/5.76</td><td>515</td><td>353</td><td>Dicaffeoylquinic acids</td><td>Dicaffeoylquinic acids</td><td>Dicaffeoylquinic acids</td></tr> <tr><td>5.22</td><td>463</td><td>301</td><td>Hyperoside</td><td>nf</td><td>nf</td></tr> <tr><td>5.26</td><td>447</td><td>285</td><td>Luteolin-7-glucoside</td><td>nf</td><td>nf</td></tr> <tr><td>5.28</td><td>463</td><td>301</td><td>Isoquercitrin</td><td>Isoquercitrin</td><td>Isoquercitrin</td></tr> <tr><td>5.52</td><td>623</td><td>315</td><td>Isorhamnetin 3-rutinoside</td><td>nf</td><td>nf</td></tr> <tr><td>5.70</td><td>447</td><td>300</td><td>Quercitrin</td><td>Quercitrin</td><td>Quercitrin</td></tr> <tr><td>5.70</td><td>447</td><td>285</td><td>Luteolin 4-glucoside</td><td>nf</td><td>nf</td></tr> <tr><td>6.79</td><td>285</td><td>133</td><td>Luteolin</td><td>nf</td><td>nf</td></tr> <tr><td>6.86</td><td>301</td><td>151</td><td>nf</td><td>Quercetin</td><td>nf</td></tr> <tr><td>7.22</td><td>271</td><td>151</td><td>nf</td><td>Naringenin</td><td>Naringenin</td></tr> <tr><td>7.38</td><td>269</td><td>117</td><td>Apigenin</td><td>Apigenin</td><td>Apigenin</td></tr> <tr><td>7.57</td><td>299</td><td>284</td><td>nf</td><td>Diosmetin</td><td>Diosmetin</td></tr> <tr><td>7.60</td><td>315</td><td>300</td><td>nf</td><td>Isorhamnetin</td><td>nf</td></tr> </tbody> </table> <p><math>t_R</math>, retention time; [M-H]<sup>-</sup>, ion mass; MS/MS, mass of identified fragments; nf, not found.</p>   | $t_R$ (min)                               | Precursor Ion<br>(m/z)<br>[M-H] <sup>-</sup> | Product Ion<br>(m/z)<br>MS/MS           | Aerial Parts of <i>A. tinctoria</i> | Aerial Parts of <i>A. sylvestris</i> | Roots of <i>A. sylvestris</i> | 0.46                                | 191                                  | 85                            | Quinic acid | Quinic acid | Quinic acid | 2.80                    | 353                     | 191                     | Neochlorogenic acid | Neochlorogenic acid | Neochlorogenic acid | 3.75                                      | 353                                       | 191             | Chlorogenic acid | Chlorogenic acid | Chlorogenic acid | 3.98 | 179              | 107                      | Caffeic acid | Caffeic acid | nf  | 5.06                            | 609                             | 300 | Rutin | Rutin | nf                 | 5.15                          | 593  | 285 | Luteolin 7-rutinoside | Luteolin 7-rutinoside | Luteolin 7-rutinoside | 5.18                | 193                 | 134                 | Ferulic acid          | Ferulic acid | Ferulic acid  | 5.39/5.55/5.76           | 515 | 353                   | Dicaffeoylquinic acids | Dicaffeoylquinic acids | Dicaffeoylquinic acids | 5.22 | 463              | 301  | Hyperoside | nf  | nf            | 5.26                            | 447  | 285 | Luteolin-7-glucoside | nf  | nf                  | 5.28 | 463                  | 301                  | Isoquercitrin | Isoquercitrin        | Isoquercitrin | 5.52                  | 623 | 315 | Isorhamnetin 3-rutinoside | nf   | nf       | 5.70                  | 447 | 300                         | Quercitrin | Quercitrin | Quercitrin | 5.70                  | 447                   | 285                   | Luteolin 4-glucoside | nf  | nf  | 6.79                | 285  | 133 | Luteolin | nf  | nf                 | 6.86 | 301                          | 151 | nf   | Quercetin    | nf       | 7.22                  | 271 | 151 | nf                  | Naringenin | Naringenin | 7.38                  | 269 | 117                | Apigenin | Apigenin | Apigenin           | 7.57                           | 299              | 284  | nf   | Diosmetin | Diosmetin | 7.60                  | 315  | 300 | nf   | Isorhamnetin | nf                  | <p><b>Table 4</b><br/>Polyphenolic compounds identified in the methanolic extract of <i>A. tinctoria</i> and <i>A. sylvestris</i> by the UPLC-triple quadrupole MS/MS (MRM) method.</p> | tR, retention time; [M-H] <sup>-</sup> , ion mass; MS/MS, mass of identified fragments; nf, not found. |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| $t_R$ (min)   | Precursor Ion<br>(m/z)<br>[M-H] <sup>-</sup>  | Product Ion<br>(m/z)<br>MS/MS   | Aerial Parts of <i>A. tinctoria</i>   | Aerial Parts of <i>A. sylvestris</i>      | Roots of <i>A. sylvestris</i>                |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 0.46  | 191   | 85  | Quinic acid   | Quinic acid                               | Quinic acid                                  |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 2.80  | 353   | 191   | Neochlorogenic acid   | Neochlorogenic acid                       | Neochlorogenic acid                          |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 3.75  | 353   | 191   | Chlorogenic acid  | Chlorogenic acid                          | Chlorogenic acid                             |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 3.98  | 179   | 107   | Caffeic acid  | Caffeic acid                              | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 5.06  | 609   | 300   | Rutin   | Rutin                                     | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 5.15  | 593   | 285   | Luteolin 7-rutinoside   | Luteolin 7-rutinoside                     | Luteolin 7-rutinoside                        |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 5.18  | 193   | 134   | Ferulic acid  | Ferulic acid                              | Ferulic acid                                 |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 5.39/5.55/5.76  | 515   | 353   | Dicaffeoylquinic acids  | Dicaffeoylquinic acids                    | Dicaffeoylquinic acids                       |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 5.22  | 463   | 301   | Hyperoside  | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 5.26  | 447   | 285   | Luteolin-7-glucoside  | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 5.28  | 463   | 301   | Isoquercitrin   | Isoquercitrin                             | Isoquercitrin                                |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 5.52  | 623   | 315   | Isorhamnetin 3-rutinoside   | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 5.70  | 447   | 300   | Quercitrin  | Quercitrin                                | Quercitrin                                   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 5.70  | 447   | 285   | Luteolin 4-glucoside  | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 6.79  | 285   | 133   | Luteolin  | nf  | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 6.86  | 301   | 151   | nf  | Quercetin                                 | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 7.22  | 271   | 151   | nf  | Naringenin                                | Naringenin                                   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 7.38  | 269   | 117   | Apigenin  | Apigenin                                  | Apigenin                                     |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 7.57  | 299   | 284   | nf  | Diosmetin                                 | Diosmetin                                    |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |
| 7.60  | 315   | 300   | nf  | Isorhamnetin                              | nf   |   |                                     |                                      |                               |                                     |                                      |                               |             |             |             |                         |                         |                         |                     |                     |                     |   |   |                 |                  |                  |                  |      |                  |                          |              |              |     |                                 |                                 |     |       |       |                    |                               |      |     |                       |                       |                       |                     |                     |                     |                       |              |               |                          |     |                       |                        |                        |                        |      |                  |      |            |     |               |                                 |      |     |                      |     |                     |      |                      |                      |               |                      |               |                       |     |     |                           |      |          |                       |     |                             |            |            |            |                       |                       |                       |                      |     |     |                     |      |     |          |     |                    |      |                              |     |      |              |          |                       |     |     |                     |            |            |                       |     |                    |          |          |                    |                                |                  |      |      |           |           |                       |      |     |      |              |                     |   |  |     |      |                                       |               |       |       |               |                            |      |     |                     |                     |                     |      |     |          |                     |                   |      |      |     |          |                        |      |     |      |     |                    |                            |    |     |      |         |          |                         |                         |    |               |      |          |                       |    |       |      |      |          |                     |    |   |                                       |     |               |                        |                        |    |      |     |          |                                |                                |    |  |  |

| URL   | Title  | Table Link  | Table Pic (top)   | Table Header                     | Table footer          |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|---|--|---|---|----------------------------------|-----------------------|--------------------------|---------------------------------|--------------------------|--|---------|-----------------|--|------|--|-----------------|---------------------|---|---|--|----------------------|---------------------|--|----------------|---|----------|--|---|------------------------|------|-----------------|---------------------|--|------|---|----------|--------------------|--|---|---|----------------------|---------------------|--|------|------|----------|---|--|-------------------------------------|---|---|---------------------|---|--------|--|-------------|----------------------|---|---|------|------------------------|------------|---|------|----------------------|--------------|--|--|---------------------|---|------|------------|--|-------------------|--|------|--------------------|---|---|------|----------------------|-----------|--|------|--------------------------------|------|------------|---|----------------------|------|---|---------------------|--|------|-----------------------|--------|------------|--|------|---|---|---|---|------|---|---|------|------|----|-----------|------|------|-----|------|---|------|------|----|------------------|---|-----|------|------|------|------|------|----|-----------|---|---|---|-----|---|------|------|----|-----------|---|------|---|------|---|------|------|----|-----------|------|------|---|------|------|------|------|----|---------------|------|-----|------|------|-----|------|------|----|---------------------|---|---|---|------|---|------|------|----|-----------------|------|------|---|------|------|------|------|----|-----------------|---|------|---|------|---|------|------|----|-----------------|------|------|------|---|---|------|------|----|---------------------------------|------|------|------|---|---|------|------|----|------------|------|------|------|---|------|------|------|----|-------------|------|------|---|------|---|------|------|----|--------------|------|---|---|------|---|------|------|----|-------------------|------|------|------|------|---|------|------|----|-------------|---|------|---|------|---|------|------|----|------------|------|------|---|------|---|------|------|----|-------------|-----|------|------|------|---|------|------|----|------------|---|------|---|-----|---|------|------|----|----------------------|------|------|------|------|------|------|------|----|------------|-----|------|------|---|---|------|------|----|------------------|-----|------|------|------|---|------|------|---|--|
| <a href="https://europepmc.org/article/MED/35707466#free-full-text">https://europepmc.org/article/MED/35707466#free-full-text</a> | Comparative Analysis of Chemical Composition and Antibacterial and Anti-Inflammatory Activities of the Essential Oils from Chrysanthemum morifolium of Different Flowering Stages and Different Parts. | <a href="https://europepmc.org/articles/PMC9192287/table/tab1/">https://europepmc.org/articles/PMC9192287/table/tab1/</a>   | <p><b>Table 1</b><br/>Chemical composition (%) of JM, TJ, JH, SLC, and RC from <i>C. morifolium</i>.</p> <table border="1"> <thead> <tr> <th rowspan="2">Peak</th> <th rowspan="2">Compound<sup>a</sup></th> <th colspan="5">Content (%)<sup>b</sup></th> <th rowspan="2">RI<sup>c</sup></th> <th rowspan="2">RI<sup>d</sup></th> </tr> <tr> <th>JM</th> <th>TJ</th> <th>JH</th> <th>SLC</th> <th>RC</th> </tr> </thead> <tbody> <tr><td>1</td><td>cis-1,3-Dimethylcyclohexane</td><td>0.32</td><td>0.15</td><td>0.04</td><td>—<sup>e</sup></td><td>—</td><td>764</td><td>772</td></tr> <tr><td>2</td><td>(E)-2-Hexenal</td><td>0.08</td><td>—</td><td>0.03</td><td>—</td><td>—</td><td>832</td><td>850</td></tr> <tr><td>3</td><td>1,8-Cineole</td><td>—</td><td>0.11</td><td>—</td><td>—</td><td>—</td><td>1037</td><td>1031</td></tr> <tr><td>4</td><td>γ-Terpinene</td><td>—</td><td>0.04</td><td>—</td><td>—</td><td>—</td><td>1062</td><td>1064</td></tr> <tr><td>5</td><td>cis-Sabinol</td><td>—</td><td>0.07</td><td>0.04</td><td>—</td><td>—</td><td>1133</td><td>1139</td></tr> <tr><td>6</td><td>Camphor</td><td>0.1</td><td>0.03</td><td>0.12</td><td>—</td><td>—</td><td>1144</td><td>1146</td></tr> <tr><td>7</td><td>cis-Chrysanthenol</td><td>0.11</td><td>0.06</td><td>0.04</td><td>—</td><td>—</td><td>1156</td><td>1163</td></tr> <tr><td>8</td><td>Borneol</td><td>1.17</td><td>1.13</td><td>0.37</td><td>0.22</td><td>—</td><td>1171</td><td>1172</td></tr> <tr><td>9</td><td>Terpinen-4-ol</td><td>0.4</td><td>0.3</td><td>0.07</td><td>0.06</td><td>—</td><td>1185</td><td>1180</td></tr> <tr><td>10</td><td>Fenchyl acetate</td><td>—</td><td>—</td><td>0.06</td><td>—</td><td>—</td><td>1221</td><td>1225</td></tr> <tr><td>11</td><td>Carvacrol</td><td>2.33</td><td>2.09</td><td>0.4</td><td>0.47</td><td>—</td><td>1291</td><td>1291</td></tr> <tr><td>12</td><td>p-Vinyl guaiacol</td><td>—</td><td>0.1</td><td>0.08</td><td>0.27</td><td>0.17</td><td>1314</td><td>1309</td></tr> <tr><td>13</td><td>α-Copaene</td><td>—</td><td>—</td><td>—</td><td>0.2</td><td>—</td><td>1361</td><td>1369</td></tr> <tr><td>14</td><td>β-Elemene</td><td>—</td><td>0.56</td><td>—</td><td>0.11</td><td>—</td><td>1385</td><td>1388</td></tr> <tr><td>15</td><td>Italicene</td><td>0.14</td><td>0.13</td><td>—</td><td>0.15</td><td>0.09</td><td>1401</td><td>1406</td></tr> <tr><td>16</td><td>Caryophyllene</td><td>1.24</td><td>1.2</td><td>0.09</td><td>8.84</td><td>0.1</td><td>1427</td><td>1428</td></tr> <tr><td>17</td><td>trans-α-Bergamotene</td><td>—</td><td>—</td><td>—</td><td>0.13</td><td>—</td><td>1437</td><td>1430</td></tr> <tr><td>18</td><td>(E)-β-Farnesene</td><td>0.16</td><td>0.37</td><td>—</td><td>1.14</td><td>0.11</td><td>1455</td><td>1455</td></tr> <tr><td>19</td><td>α-Caryophyllene</td><td>—</td><td>0.06</td><td>—</td><td>0.52</td><td>—</td><td>1462</td><td>1456</td></tr> <tr><td>20</td><td>(+)-Spathulenol</td><td>2.15</td><td>2.97</td><td>0.15</td><td>—</td><td>—</td><td>1468</td><td>1472</td></tr> <tr><td>21</td><td>7-epi-1,2-Dehydrosesquiceineole</td><td>0.05</td><td>0.08</td><td>0.15</td><td>—</td><td>—</td><td>1484</td><td>1473</td></tr> <tr><td>22</td><td>β-Selinene</td><td>0.87</td><td>1.09</td><td>0.34</td><td>—</td><td>0.05</td><td>1488</td><td>1485</td></tr> <tr><td>23</td><td>α-Curcumene</td><td>1.82</td><td>3.63</td><td>—</td><td>2.69</td><td>—</td><td>1492</td><td>1485</td></tr> <tr><td>24</td><td>Germacrene D</td><td>0.11</td><td>—</td><td>—</td><td>4.33</td><td>—</td><td>1494</td><td>1487</td></tr> <tr><td>25</td><td>(Z,E)-α-Farnesene</td><td>1.68</td><td>0.12</td><td>0.36</td><td>0.21</td><td>—</td><td>1498</td><td>1495</td></tr> <tr><td>26</td><td>Zingiberene</td><td>—</td><td>2.94</td><td>—</td><td>3.63</td><td>—</td><td>1502</td><td>1495</td></tr> <tr><td>27</td><td>α-Murolene</td><td>0.66</td><td>0.11</td><td>—</td><td>0.05</td><td>—</td><td>1504</td><td>1502</td></tr> <tr><td>28</td><td>α-Farnesene</td><td>0.2</td><td>0.79</td><td>0.08</td><td>1.53</td><td>—</td><td>1510</td><td>1507</td></tr> <tr><td>29</td><td>γ-Cadinene</td><td>—</td><td>0.26</td><td>—</td><td>0.4</td><td>—</td><td>1513</td><td>1516</td></tr> <tr><td>30</td><td>β-Sesquiphellandrene</td><td>2.21</td><td>3.75</td><td>0.58</td><td>3.49</td><td>0.08</td><td>1523</td><td>1525</td></tr> <tr><td>31</td><td>γ-Cadinene</td><td>0.3</td><td>0.32</td><td>0.09</td><td>—</td><td>—</td><td>1533</td><td>1534</td></tr> <tr><td>32</td><td>(E)-α-Bisabolene</td><td>0.6</td><td>0.21</td><td>0.07</td><td>0.07</td><td>—</td><td>1540</td><td>1540</td></tr> </tbody> </table> <p><sup>a</sup>Compounds are listed according to their elution order on the apolar Elite-5MS capillary column. <sup>b</sup>Contents (%) were calculated by electronic integration of peak areas obtained on the apolar Elite-5MS column. <sup>c</sup>RI: Retention indices relatives to n-alkanes (C7-C27) on the apolar Elite-5MS column. <sup>d</sup>RI: Retention indices relatives were obtained from the literature (19-23) and NIST Chemistry WebBook. <sup>e</sup>-: not detected. f: not identified and not found.</p> | Peak                             | Compound <sup>a</sup> | Content (%) <sup>b</sup> |                                 |                          |  |         | RI <sup>c</sup> | RI <sup>d</sup>  | JM   | TJ   | JH              | SLC                 | RC  | 1   | cis-1,3-Dimethylcyclohexane  | 0.32                 | 0.15                | 0.04   | — <sup>e</sup> | — | 764      | 772  | 2   | (E)-2-Hexenal          | 0.08 | —               | 0.03                | —  | —    | 832   | 850      | 3                  | 1,8-Cineole                              | —   | 0.11  | —                    | —                   | —  | 1037 | 1031 | 4        | γ-Terpinene   | —  | 0.04                                | — | — | —                   | 1062  | 1064   | 5  | cis-Sabinol | —                    | 0.07  | 0.04  | —    | —                      | 1133       | 1139  | 6    | Camphor              | 0.1          | 0.03   | 0.12   | —                   | — | 1144 | 1146       | 7  | cis-Chrysanthenol | 0.11   | 0.06 | 0.04               | —   | — | 1156 | 1163                 | 8         | Borneol  | 1.17 | 1.13                           | 0.37 | 0.22       | —   | 1171                 | 1172 | 9   | Terpinen-4-ol       | 0.4  | 0.3  | 0.07                  | 0.06   | —          | 1185   | 1180 | 10  | Fenchyl acetate   | — | — | 0.06 | — | — | 1221 | 1225 | 11 | Carvacrol | 2.33 | 2.09 | 0.4 | 0.47 | — | 1291 | 1291 | 12 | p-Vinyl guaiacol | — | 0.1 | 0.08 | 0.27 | 0.17 | 1314 | 1309 | 13 | α-Copaene | — | — | — | 0.2 | — | 1361 | 1369 | 14 | β-Elemene | — | 0.56 | — | 0.11 | — | 1385 | 1388 | 15 | Italicene | 0.14 | 0.13 | — | 0.15 | 0.09 | 1401 | 1406 | 16 | Caryophyllene | 1.24 | 1.2 | 0.09 | 8.84 | 0.1 | 1427 | 1428 | 17 | trans-α-Bergamotene | — | — | — | 0.13 | — | 1437 | 1430 | 18 | (E)-β-Farnesene | 0.16 | 0.37 | — | 1.14 | 0.11 | 1455 | 1455 | 19 | α-Caryophyllene | — | 0.06 | — | 0.52 | — | 1462 | 1456 | 20 | (+)-Spathulenol | 2.15 | 2.97 | 0.15 | — | — | 1468 | 1472 | 21 | 7-epi-1,2-Dehydrosesquiceineole | 0.05 | 0.08 | 0.15 | — | — | 1484 | 1473 | 22 | β-Selinene | 0.87 | 1.09 | 0.34 | — | 0.05 | 1488 | 1485 | 23 | α-Curcumene | 1.82 | 3.63 | — | 2.69 | — | 1492 | 1485 | 24 | Germacrene D | 0.11 | — | — | 4.33 | — | 1494 | 1487 | 25 | (Z,E)-α-Farnesene | 1.68 | 0.12 | 0.36 | 0.21 | — | 1498 | 1495 | 26 | Zingiberene | — | 2.94 | — | 3.63 | — | 1502 | 1495 | 27 | α-Murolene | 0.66 | 0.11 | — | 0.05 | — | 1504 | 1502 | 28 | α-Farnesene | 0.2 | 0.79 | 0.08 | 1.53 | — | 1510 | 1507 | 29 | γ-Cadinene | — | 0.26 | — | 0.4 | — | 1513 | 1516 | 30 | β-Sesquiphellandrene | 2.21 | 3.75 | 0.58 | 3.49 | 0.08 | 1523 | 1525 | 31 | γ-Cadinene | 0.3 | 0.32 | 0.09 | — | — | 1533 | 1534 | 32 | (E)-α-Bisabolene | 0.6 | 0.21 | 0.07 | 0.07 | — | 1540 | 1540 | <b>Table 1</b><br>Chemical composition (%) of JM, TJ, JH, SLC, and RC from <i>C. morifolium</i> . | aCompounds are listed according to their elution order on the apolar Elite-5MS capillary column. bContents (%) were calculated by electronic integration of peak areas obtained on the apolar Elite-5MS column. cRI: Retention indices relatives to n-alkanes (C7-C27) on the apolar Elite-5MS column. dRI: Retention indices relatives were obtained from the literature (19-23) and NIST Chemistry WebBook. e-: not detected. f: not identified and not found. |
| Peak  | Compound <sup>a</sup>  | Content (%) <sup>b</sup>  |   |                                  |                       |                          | RI <sup>c</sup>                 | RI <sup>d</sup>          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   |  | JM  | TJ  | JH                               | SLC                   | RC                       |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 1   | cis-1,3-Dimethylcyclohexane  | 0.32  | 0.15  | 0.04                             | — <sup>e</sup>        | —                        | 764                             | 772                      |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 2   | (E)-2-Hexenal  | 0.08  | —   | 0.03                             | —                     | —                        | 832                             | 850                      |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 3   | 1,8-Cineole  | —   | 0.11  | —                                | —                     | —                        | 1037                            | 1031                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 4   | γ-Terpinene  | —   | 0.04  | —                                | —                     | —                        | 1062                            | 1064                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 5   | cis-Sabinol  | —   | 0.07  | 0.04                             | —                     | —                        | 1133                            | 1139                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 6   | Camphor  | 0.1   | 0.03  | 0.12                             | —                     | —                        | 1144                            | 1146                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 7   | cis-Chrysanthenol  | 0.11  | 0.06  | 0.04                             | —                     | —                        | 1156                            | 1163                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 8   | Borneol  | 1.17  | 1.13  | 0.37                             | 0.22                  | —                        | 1171                            | 1172                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 9   | Terpinen-4-ol  | 0.4   | 0.3   | 0.07                             | 0.06                  | —                        | 1185                            | 1180                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 10  | Fenchyl acetate  | —   | —   | 0.06                             | —                     | —                        | 1221                            | 1225                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 11  | Carvacrol  | 2.33  | 2.09  | 0.4                              | 0.47                  | —                        | 1291                            | 1291                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 12  | p-Vinyl guaiacol   | —   | 0.1   | 0.08                             | 0.27                  | 0.17                     | 1314                            | 1309                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 13  | α-Copaene  | —   | —   | —                                | 0.2                   | —                        | 1361                            | 1369                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 14  | β-Elemene  | —   | 0.56  | —                                | 0.11                  | —                        | 1385                            | 1388                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 15  | Italicene  | 0.14  | 0.13  | —                                | 0.15                  | 0.09                     | 1401                            | 1406                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 16  | Caryophyllene  | 1.24  | 1.2   | 0.09                             | 8.84                  | 0.1                      | 1427                            | 1428                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 17  | trans-α-Bergamotene  | —   | —   | —                                | 0.13                  | —                        | 1437                            | 1430                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 18  | (E)-β-Farnesene  | 0.16  | 0.37  | —                                | 1.14                  | 0.11                     | 1455                            | 1455                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 19  | α-Caryophyllene  | —   | 0.06  | —                                | 0.52                  | —                        | 1462                            | 1456                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 20  | (+)-Spathulenol  | 2.15  | 2.97  | 0.15                             | —                     | —                        | 1468                            | 1472                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 21  | 7-epi-1,2-Dehydrosesquiceineole  | 0.05  | 0.08  | 0.15                             | —                     | —                        | 1484                            | 1473                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 22  | β-Selinene   | 0.87  | 1.09  | 0.34                             | —                     | 0.05                     | 1488                            | 1485                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 23  | α-Curcumene  | 1.82  | 3.63  | —                                | 2.69                  | —                        | 1492                            | 1485                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 24  | Germacrene D   | 0.11  | —   | —                                | 4.33                  | —                        | 1494                            | 1487                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 25  | (Z,E)-α-Farnesene  | 1.68  | 0.12  | 0.36                             | 0.21                  | —                        | 1498                            | 1495                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 26  | Zingiberene  | —   | 2.94  | —                                | 3.63                  | —                        | 1502                            | 1495                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 27  | α-Murolene   | 0.66  | 0.11  | —                                | 0.05                  | —                        | 1504                            | 1502                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 28  | α-Farnesene  | 0.2   | 0.79  | 0.08                             | 1.53                  | —                        | 1510                            | 1507                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 29  | γ-Cadinene   | —   | 0.26  | —                                | 0.4                   | —                        | 1513                            | 1516                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 30  | β-Sesquiphellandrene   | 2.21  | 3.75  | 0.58                             | 3.49                  | 0.08                     | 1523                            | 1525                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 31  | γ-Cadinene   | 0.3   | 0.32  | 0.09                             | —                     | —                        | 1533                            | 1534                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| 32  | (E)-α-Bisabolene   | 0.6   | 0.21  | 0.07                             | 0.07                  | —                        | 1540                            | 1540                     |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <a href="https://europepmc.org/article/MED/35625543#free-full-text">https://europepmc.org/article/MED/35625543#free-full-text</a> | Essential Oils of <i>Duguetia</i> Species A. St. Hill (Annonaceae): Chemical Diversity and Pharmacological Potential.  | <a href="https://europepmc.org/articles/PMC9138787/table/biomolecules-12-00615-t002/">https://europepmc.org/articles/PMC9138787/table/biomolecules-12-00615-t002/</a>   | <p><b>Table 2</b><br/>Main chemical constituents of <i>Duguetia</i> species EO's.</p> <table border="1"> <thead> <tr> <th>Species (Popular Name in Brazil)</th> <th>Part Used</th> <th>Total Components</th> <th>Major Constituents<sup>1</sup></th> <th>References</th> </tr> </thead> <tbody> <tr><td><i>D. asterostricha</i> (envira, envira-surucucu-da-mata, envireira)</td><td>Flowers</td><td>9 (69.3%)</td><td>Limonene (14.1%), p-cymene (5.5%), and α-pinene (4.2%)</td><td>[23]</td></tr> <tr><td><i>D. eximia</i> (unknown)</td><td>Leaves and stem</td><td>76 (<sup>4</sup>)</td><td>α-Eudesmol (80.3%) and spathulenol (5.0%)</td><td>[24]</td></tr> <tr><td><i>D. flagellaris</i> (ameijo-preto, caniceiro-preto, pindava, pindaíba)</td><td>Bark</td><td>76 (<sup>4</sup>)</td><td>Germacrene D (16.5%), cyperene (10.6%), α-murolol (8.6%), humulene epoxide II (5.3%), spathulenol (5.0%), caryophyllene oxide (5.0%), δ-cadinene (4.3%), α-murolene (4.2%), and β-elemene (4.0%)</td><td>[24]</td></tr> <tr><td></td><td>Stem</td><td>3 (<sup>4</sup>)</td><td>Germacrene D (16.5%), cyperene (10.6%) and α-murolol (8.6%)</td><td>[25] </td></tr> <tr><td></td><td>Leaves and Stem</td><td>76 (<sup>4</sup>)</td><td>Spathulenol (58.7%), α-murolol (6.2%) and humulene epoxide II (4.3%)</td><td>[24] </td></tr> <tr><td></td><td>Branches</td><td>2 (<sup>4</sup>)</td><td>Spathulenol (58.7%) and α-murolol (6.2%)</td><td>[25]</td></tr> <tr><td><i>D. furfuracea</i> (araticum, ata brava, pinha do campo, pindava do campo, marolinho-do-cerrado, pinha-de-guardá)</td><td>Stem</td><td>19 (<sup>4</sup>)</td><td>2,4,5-Trimethoxystyrene (29.2%), α-asarone (23.8%), bicyclogermacrene (8.6%), epi-globulol (6.4%), and spathulenol (4.7%)</td><td>[26]</td></tr> <tr><td></td><td></td><td>39 (<sup>4</sup>)</td><td>α-Gurjunene (22.2%), 2,4,5-trimethoxystyrene (19.7%), cyperene (16.0%), α-asarone (10.1%), and trans-m-mentha-4,8-diene (6.5%)</td><td>[27]</td></tr> <tr><td></td><td></td><td>24 (<sup>4</sup>)</td><td>(E)-Asarone (21.9%), bicyclogermacrene (16.7%), 2,4,5-trimethoxystyrene (16.1%), α-gurjunene (15.0%), cyperene (7.8%), and (E)-caryophyllene (4.6%)</td><td>[28]</td></tr> <tr><td></td><td>Leaves</td><td>8 (<sup>4</sup>)</td><td>α-Asarone (36.4%), 2,4,5-trimethoxystyrene (27.8%), bicyclogermacrene (11.1%), α-gurjunene (10.5%), and cyperene (5.8%)</td><td>[27]</td></tr> <tr><td></td><td>2</td><td>17 (99.4%)</td><td>β-Phellandrene (42.2%), bicyclogermacrene (20.7%), myrcene (6.8%), spathulenol (5.5%), α-phellandrene (4.6%), and sabine (4.3%)</td><td>[29]</td></tr> <tr><td></td><td></td><td>17 (99.7%)</td><td>Sabinene (25.1%), terpinen-4-ol (16.2%), p-cymene (8.3%), caryophyllene oxide (7.7%), and spathulenol (5.1%)</td><td></td></tr> <tr><td></td><td></td><td>18 (99.2%)</td><td>Bicyclogermacrene (29.1%), spathulenol (18.3%), germacrene D (9.6%), trans-caryophyllene (9.3%), δ-cadinene (5.5%), and caryophyllene oxide (5.3%)</td><td></td></tr> <tr><td></td><td></td><td>18 (100%)</td><td>Bicyclogermacrene (24%), germacrene D (15%), trans-caryophyllene (12.9%), spathulenol (12.4%), and caryophyllene oxide (6.8%)</td><td></td></tr> <tr><td></td><td></td><td>19 (100%)</td><td>Bicyclogermacrene (21.4%), germacrene D (13.6%), spathulenol (12.2%), and caryophyllene oxide (5.2%)</td><td></td></tr> <tr><td></td><td></td><td>20 (99.7%)</td><td>Terpinen-4-ol (21.6%), spathulenol (20.9%), sabinene (17.3%), and p-cymene (5.6%)</td><td></td></tr> <tr><td></td><td></td><td>31 (<sup>4</sup>)</td><td>Spathulenol (17.8%), bicyclogermacrene (16.2%), germacrene D (13.0%), β-caryophyllene (11.5%), and viridiflorol (4.0%)</td><td>[27]</td></tr> <tr><td><i>D. gardneriana</i></td><td>Leaves</td><td>33 (91.4%)</td><td>Germacrene D (28.1%), viridiflorone (24.0%), β-pinene (12.6%),</td><td>[30]</td></tr> </tbody> </table> <p><sup>1</sup> Only compounds with percentage concentrations greater than or equal to 4% are displayed. <sup>2</sup> The chemical compositions of the leaves vary due to the intensity of the odor and the location from which they were collected. <sup>3</sup> The extraction times for EO obtention (2 h and 4 h) resulted in different chemical compositions. <sup>4</sup> Percentage not described by the authors in relation to the total composition of the essential oil.</p>  | Species (Popular Name in Brazil) | Part Used             | Total Components         | Major Constituents <sup>1</sup> | References               | <i>D. asterostricha</i> (envira, envira-surucucu-da-mata, envireira) | Flowers | 9 (69.3%)       | Limonene (14.1%), p-cymene (5.5%), and α-pinene (4.2%) | [23] | <i>D. eximia</i> (unknown)                                 | Leaves and stem | 76 ( <sup>4</sup> ) | α-Eudesmol (80.3%) and spathulenol (5.0%) | [24]  | <i>D. flagellaris</i> (ameijo-preto, caniceiro-preto, pindava, pindaíba) | Bark                 | 76 ( <sup>4</sup> ) | Germacrene D (16.5%), cyperene (10.6%), α-murolol (8.6%), humulene epoxide II (5.3%), spathulenol (5.0%), caryophyllene oxide (5.0%), δ-cadinene (4.3%), α-murolene (4.2%), and β-elemene (4.0%) | [24]           |   | Stem     | 3 ( <sup>4</sup> )   | Germacrene D (16.5%), cyperene (10.6%) and α-murolol (8.6%) | [25]                   |      | Leaves and Stem | 76 ( <sup>4</sup> ) | Spathulenol (58.7%), α-murolol (6.2%) and humulene epoxide II (4.3%) | [24] |   | Branches | 2 ( <sup>4</sup> ) | Spathulenol (58.7%) and α-murolol (6.2%) | [25]  | <i>D. furfuracea</i> (araticum, ata brava, pinha do campo, pindava do campo, marolinho-do-cerrado, pinha-de-guardá) | Stem                 | 19 ( <sup>4</sup> ) | 2,4,5-Trimethoxystyrene (29.2%), α-asarone (23.8%), bicyclogermacrene (8.6%), epi-globulol (6.4%), and spathulenol (4.7%)  | [26] |      |          | 39 ( <sup>4</sup> )   | α-Gurjunene (22.2%), 2,4,5-trimethoxystyrene (19.7%), cyperene (16.0%), α-asarone (10.1%), and trans-m-mentha-4,8-diene (6.5%) | [27]                                |   |   | 24 ( <sup>4</sup> ) | (E)-Asarone (21.9%), bicyclogermacrene (16.7%), 2,4,5-trimethoxystyrene (16.1%), α-gurjunene (15.0%), cyperene (7.8%), and (E)-caryophyllene (4.6%) | [28]   |  | Leaves      | 8 ( <sup>4</sup> )   | α-Asarone (36.4%), 2,4,5-trimethoxystyrene (27.8%), bicyclogermacrene (11.1%), α-gurjunene (10.5%), and cyperene (5.8%) | [27]  |      | 2                      | 17 (99.4%) | β-Phellandrene (42.2%), bicyclogermacrene (20.7%), myrcene (6.8%), spathulenol (5.5%), α-phellandrene (4.6%), and sabine (4.3%) | [29] |                      |              | 17 (99.7%)   | Sabinene (25.1%), terpinen-4-ol (16.2%), p-cymene (8.3%), caryophyllene oxide (7.7%), and spathulenol (5.1%) |                     |   |      | 18 (99.2%) | Bicyclogermacrene (29.1%), spathulenol (18.3%), germacrene D (9.6%), trans-caryophyllene (9.3%), δ-cadinene (5.5%), and caryophyllene oxide (5.3%) |                   |  |      | 18 (100%)          | Bicyclogermacrene (24%), germacrene D (15%), trans-caryophyllene (12.9%), spathulenol (12.4%), and caryophyllene oxide (6.8%) |   |      |                      | 19 (100%) | Bicyclogermacrene (21.4%), germacrene D (13.6%), spathulenol (12.2%), and caryophyllene oxide (5.2%)   |      |                                |      | 20 (99.7%) | Terpinen-4-ol (21.6%), spathulenol (20.9%), sabinene (17.3%), and p-cymene (5.6%) |                      |      |   | 31 ( <sup>4</sup> ) | Spathulenol (17.8%), bicyclogermacrene (16.2%), germacrene D (13.0%), β-caryophyllene (11.5%), and viridiflorol (4.0%) | [27] | <i>D. gardneriana</i> | Leaves | 33 (91.4%) | Germacrene D (28.1%), viridiflorone (24.0%), β-pinene (12.6%), | [30] | <b>Table 2</b><br>Main chemical constituents of <i>Duguetia</i> species EO's. | 1 Only compounds with percentage concentrations greater than or equal to 4% are displayed. 2 The chemical compositions of the leaves vary due to the intensity of the odor and the location from which they were collected. 3 The extraction times for EO obtention (2 h and 4 h) resulted in different chemical compositions. 4 Percentage not described by the authors in relation to the total composition of the essential oil. |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| Species (Popular Name in Brazil)  | Part Used  | Total Components  | Major Constituents <sup>1</sup>   | References                       |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. asterostricha</i> (envira, envira-surucucu-da-mata, envireira)  | Flowers  | 9 (69.3%)   | Limonene (14.1%), p-cymene (5.5%), and α-pinene (4.2%)  | [23]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. eximia</i> (unknown)  | Leaves and stem  | 76 ( <sup>4</sup> )   | α-Eudesmol (80.3%) and spathulenol (5.0%)   | [24]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. flagellaris</i> (ameijo-preto, caniceiro-preto, pindava, pindaíba)  | Bark   | 76 ( <sup>4</sup> )   | Germacrene D (16.5%), cyperene (10.6%), α-murolol (8.6%), humulene epoxide II (5.3%), spathulenol (5.0%), caryophyllene oxide (5.0%), δ-cadinene (4.3%), α-murolene (4.2%), and β-elemene (4.0%)  | [24]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   | Stem   | 3 ( <sup>4</sup> )  | Germacrene D (16.5%), cyperene (10.6%) and α-murolol (8.6%)   | [25]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   | Leaves and Stem  | 76 ( <sup>4</sup> )   | Spathulenol (58.7%), α-murolol (6.2%) and humulene epoxide II (4.3%)  | [24]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   | Branches   | 2 ( <sup>4</sup> )  | Spathulenol (58.7%) and α-murolol (6.2%)  | [25]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. furfuracea</i> (araticum, ata brava, pinha do campo, pindava do campo, marolinho-do-cerrado, pinha-de-guardá)               | Stem   | 19 ( <sup>4</sup> )   | 2,4,5-Trimethoxystyrene (29.2%), α-asarone (23.8%), bicyclogermacrene (8.6%), epi-globulol (6.4%), and spathulenol (4.7%)   | [26]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   |  | 39 ( <sup>4</sup> )   | α-Gurjunene (22.2%), 2,4,5-trimethoxystyrene (19.7%), cyperene (16.0%), α-asarone (10.1%), and trans-m-mentha-4,8-diene (6.5%)  | [27]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   |  | 24 ( <sup>4</sup> )   | (E)-Asarone (21.9%), bicyclogermacrene (16.7%), 2,4,5-trimethoxystyrene (16.1%), α-gurjunene (15.0%), cyperene (7.8%), and (E)-caryophyllene (4.6%)   | [28]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   | Leaves   | 8 ( <sup>4</sup> )  | α-Asarone (36.4%), 2,4,5-trimethoxystyrene (27.8%), bicyclogermacrene (11.1%), α-gurjunene (10.5%), and cyperene (5.8%)   | [27]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   | 2  | 17 (99.4%)  | β-Phellandrene (42.2%), bicyclogermacrene (20.7%), myrcene (6.8%), spathulenol (5.5%), α-phellandrene (4.6%), and sabine (4.3%)   | [29]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   |  | 17 (99.7%)  | Sabinene (25.1%), terpinen-4-ol (16.2%), p-cymene (8.3%), caryophyllene oxide (7.7%), and spathulenol (5.1%)  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   |  | 18 (99.2%)  | Bicyclogermacrene (29.1%), spathulenol (18.3%), germacrene D (9.6%), trans-caryophyllene (9.3%), δ-cadinene (5.5%), and caryophyllene oxide (5.3%)  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   |  | 18 (100%)   | Bicyclogermacrene (24%), germacrene D (15%), trans-caryophyllene (12.9%), spathulenol (12.4%), and caryophyllene oxide (6.8%)   |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   |  | 19 (100%)   | Bicyclogermacrene (21.4%), germacrene D (13.6%), spathulenol (12.2%), and caryophyllene oxide (5.2%)  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   |  | 20 (99.7%)  | Terpinen-4-ol (21.6%), spathulenol (20.9%), sabinene (17.3%), and p-cymene (5.6%)   |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   |  | 31 ( <sup>4</sup> )   | Spathulenol (17.8%), bicyclogermacrene (16.2%), germacrene D (13.0%), β-caryophyllene (11.5%), and viridiflorol (4.0%)  | [27]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. gardneriana</i>   | Leaves   | 33 (91.4%)  | Germacrene D (28.1%), viridiflorone (24.0%), β-pinene (12.6%),  | [30]                             |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <a href="https://europepmc.org/article/MED/35625543#free-full-text">https://europepmc.org/article/MED/35625543#free-full-text</a> | Essential Oils of <i>Duguetia</i> Species A. St. Hill (Annonaceae): Chemical Diversity and Pharmacological Potential.  | <a href="https://europepmc.org/articles/PMC9138787/table/biomolecules-12-00615-t003/">https://europepmc.org/articles/PMC9138787/table/biomolecules-12-00615-t003/</a>   | <p><b>Table 3</b><br/>Pharmacological properties of <i>Duguetia</i> species EO's.</p> <table border="1"> <thead> <tr> <th>Pharmacological Effects</th> <th>Part Used</th> <th>Actions</th> <th>References</th> </tr> </thead> <tbody> <tr> <td><b>Anti-inflammatory</b></td><td></td><td></td><td></td></tr> <tr><td><i>D. furfuracea</i></td><td>Stem</td><td>After 6 h, EO inhibited paw edema induced by LPS by 92.4%.</td><td>[28]</td></tr> <tr><td></td><td>Stem</td><td>After 2 h of LPS injection, doses of 3 and 10 mg/kg of EO inhibited paw edema by 90.9% and 92.42%, respectively. After 4 h, there was a significant reduction effect, with percentages of 77.8% (3 mg/kg) and 81.5% (10 mg/kg).</td><td>[17]</td></tr> <tr><td><i>D. lanceolata</i></td><td>Bark</td><td>EO at doses of 50, 100 and 200 mg/kg significantly reduced paw edema caused by carrageenan in 20.8%, 36.5% and 49.0%, respectively.</td><td>[43]</td></tr> <tr><td></td><td>Branches</td><td>After 4 h, EO reduced the formation of paw edema caused by carrageenan by 18.3% (50 mg/kg), 32.3% (100 mg/kg) and 44.1% (200 mg/kg).</td><td>[35]</td></tr> <tr> <td><b>Antinociceptive</b></td><td></td><td></td><td></td></tr> <tr><td><i>D. furfuracea</i></td><td>Stem</td><td>EO inhibited formalin-induced activity, and caffeine (10 mg/kg) and naloxone (5 mg/kg) administration reversed the EO's antinociceptive activity.</td><td>[28]</td></tr> <tr><td></td><td>Stem</td><td>Inhibition of 43.4% and 44.1% of formalin-induced activity was observed during the 1st phase at doses of 10 and 30 mg/kg, respectively. In the 2nd phase, there was also reduction in licking time at doses of 10 mg/kg (30.9%) and 30 mg/kg (39.8%).</td><td>[17]</td></tr> <tr><td><i>D. lanceolata</i></td><td>Bark</td><td>Number of abdominal contractions (ED<sub>50</sub> = 21.8 mg/kg) and paw-licking time 1st phase (ED<sub>50</sub> = 5.3 mg/kg) and 2nd phase (ED<sub>50</sub> = 1.4 mg/kg) were reduced in the formalin test.</td><td>[43]</td></tr> <tr><td></td><td>Branches</td><td>In the formalin test, EO caused significant and time-dependent inhibition of paw licking at doses of 50, 100 and 200 mg/kg at 1st and 2nd phases.</td><td>[35]</td></tr> <tr> <td><b>Antibacterial and Antifungal</b></td><td></td><td></td><td></td></tr> <tr><td><i>D. gardneriana</i></td><td>Leaves</td><td>EO showed weak activity against <i>Staphylococcus aureus</i> and <i>Candida guillermondi</i>.</td><td>[30]</td></tr> <tr><td><i>D. lanceolata</i></td><td>Bark</td><td>EO inhibited the growth of <i>Staphylococcus pyogenes</i>, <i>Escherichia coli</i> and <i>Candida albicans</i> with MIC values ranging from 20 to 125 µg/mL.</td><td>[33]</td></tr> <tr><td><i>D. moricandiana</i></td><td>Leaves</td><td>EO was active against <i>Staphylococcus aureus</i> and <i>Candida albicans</i></td><td>[30]</td></tr> <tr><td><i>D. quittensis</i></td><td>Aerial parts</td><td>EO was active for Gram-positive microorganisms <i>Streptococcus mutans</i> and <i>Streptococcus pyogenes</i> with MIC of 37.5 µg/mL.</td><td>[37]</td></tr> <tr> <td><b>Trypanocidal</b></td><td></td><td></td><td></td></tr> <tr><td><i>D. quittensis</i></td><td>Aerial parts</td><td>EO showed trypanocidal activity against the amastigote and try promastigote forms of <i>Trypanosoma cruzi</i> with IC<sub>50</sub> values of 0.26 and 0.54 µg/mL, respectively.</td><td>[36]</td></tr> <tr> <td><b>Antioxidant</b></td><td></td><td></td><td></td></tr> <tr><td><i>D. lanceolata</i></td><td>Branches</td><td>EO presented antioxidant effect, demonstrated through the DPPH radical, potency reduction and β-carotene assays. It inhibited lipid peroxidation by 41.5% (EC<sub>50</sub> equal to 159.4 µg/mL).</td><td>[35]</td></tr> <tr> <td><b>Cytotoxic and Antitumor</b></td><td></td><td></td><td></td></tr> <tr><td><i>D. furfuracea</i></td><td>Stem</td><td>EO was active against <i>A. salina</i> with LC<sub>50</sub> values of 2.6 µg/mL.</td><td>[26]</td></tr> </tbody> </table>   | Pharmacological Effects          | Part Used             | Actions                  | References                      | <b>Anti-inflammatory</b> |  |         |                 | <i>D. furfuracea</i>                                   | Stem | After 6 h, EO inhibited paw edema induced by LPS by 92.4%. | [28]            |                     | Stem                                      | After 2 h of LPS injection, doses of 3 and 10 mg/kg of EO inhibited paw edema by 90.9% and 92.42%, respectively. After 4 h, there was a significant reduction effect, with percentages of 77.8% (3 mg/kg) and 81.5% (10 mg/kg). | [17]   | <i>D. lanceolata</i> | Bark                | EO at doses of 50, 100 and 200 mg/kg significantly reduced paw edema caused by carrageenan in 20.8%, 36.5% and 49.0%, respectively.  | [43]           |   | Branches | After 4 h, EO reduced the formation of paw edema caused by carrageenan by 18.3% (50 mg/kg), 32.3% (100 mg/kg) and 44.1% (200 mg/kg). | [35]  | <b>Antinociceptive</b> |      |                 |                     | <i>D. furfuracea</i>   | Stem | EO inhibited formalin-induced activity, and caffeine (10 mg/kg) and naloxone (5 mg/kg) administration reversed the EO's antinociceptive activity. | [28]     |                    | Stem                                     | Inhibition of 43.4% and 44.1% of formalin-induced activity was observed during the 1st phase at doses of 10 and 30 mg/kg, respectively. In the 2nd phase, there was also reduction in licking time at doses of 10 mg/kg (30.9%) and 30 mg/kg (39.8%). | [17]  | <i>D. lanceolata</i> | Bark                | Number of abdominal contractions (ED <sub>50</sub> = 21.8 mg/kg) and paw-licking time 1st phase (ED <sub>50</sub> = 5.3 mg/kg) and 2nd phase (ED <sub>50</sub> = 1.4 mg/kg) were reduced in the formalin test. | [43] |      | Branches | In the formalin test, EO caused significant and time-dependent inhibition of paw licking at doses of 50, 100 and 200 mg/kg at 1st and 2nd phases. | [35]   | <b>Antibacterial and Antifungal</b> |   |   |                     | <i>D. gardneriana</i>   | Leaves | EO showed weak activity against <i>Staphylococcus aureus</i> and <i>Candida guillermondi</i> . | [30]        | <i>D. lanceolata</i> | Bark  | EO inhibited the growth of <i>Staphylococcus pyogenes</i> , <i>Escherichia coli</i> and <i>Candida albicans</i> with MIC values ranging from 20 to 125 µg/mL. | [33] | <i>D. moricandiana</i> | Leaves     | EO was active against <i>Staphylococcus aureus</i> and <i>Candida albicans</i>  | [30] | <i>D. quittensis</i> | Aerial parts | EO was active for Gram-positive microorganisms <i>Streptococcus mutans</i> and <i>Streptococcus pyogenes</i> with MIC of 37.5 µg/mL. | [37]   | <b>Trypanocidal</b> |   |      |            | <i>D. quittensis</i>   | Aerial parts      | EO showed trypanocidal activity against the amastigote and try promastigote forms of <i>Trypanosoma cruzi</i> with IC <sub>50</sub> values of 0.26 and 0.54 µg/mL, respectively. | [36] | <b>Antioxidant</b> |   |   |      | <i>D. lanceolata</i> | Branches  | EO presented antioxidant effect, demonstrated through the DPPH radical, potency reduction and β-carotene assays. It inhibited lipid peroxidation by 41.5% (EC <sub>50</sub> equal to 159.4 µg/mL). | [35] | <b>Cytotoxic and Antitumor</b> |      |            |   | <i>D. furfuracea</i> | Stem | EO was active against <i>A. salina</i> with LC <sub>50</sub> values of 2.6 µg/mL. | [26]                | <b>Table 3</b><br>Pharmacological properties of <i>Duguetia</i> species EO's.  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| Pharmacological Effects   | Part Used  | Actions   | References  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <b>Anti-inflammatory</b>  |  |   |   |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. furfuracea</i>  | Stem   | After 6 h, EO inhibited paw edema induced by LPS by 92.4%.  | [28]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   | Stem   | After 2 h of LPS injection, doses of 3 and 10 mg/kg of EO inhibited paw edema by 90.9% and 92.42%, respectively. After 4 h, there was a significant reduction effect, with percentages of 77.8% (3 mg/kg) and 81.5% (10 mg/kg).                       | [17]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. lanceolata</i>  | Bark   | EO at doses of 50, 100 and 200 mg/kg significantly reduced paw edema caused by carrageenan in 20.8%, 36.5% and 49.0%, respectively.   | [43]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   | Branches   | After 4 h, EO reduced the formation of paw edema caused by carrageenan by 18.3% (50 mg/kg), 32.3% (100 mg/kg) and 44.1% (200 mg/kg).  | [35]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <b>Antinociceptive</b>  |  |   |   |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. furfuracea</i>  | Stem   | EO inhibited formalin-induced activity, and caffeine (10 mg/kg) and naloxone (5 mg/kg) administration reversed the EO's antinociceptive activity.   | [28]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   | Stem   | Inhibition of 43.4% and 44.1% of formalin-induced activity was observed during the 1st phase at doses of 10 and 30 mg/kg, respectively. In the 2nd phase, there was also reduction in licking time at doses of 10 mg/kg (30.9%) and 30 mg/kg (39.8%). | [17]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. lanceolata</i>  | Bark   | Number of abdominal contractions (ED <sub>50</sub> = 21.8 mg/kg) and paw-licking time 1st phase (ED <sub>50</sub> = 5.3 mg/kg) and 2nd phase (ED <sub>50</sub> = 1.4 mg/kg) were reduced in the formalin test.  | [43]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
|   | Branches   | In the formalin test, EO caused significant and time-dependent inhibition of paw licking at doses of 50, 100 and 200 mg/kg at 1st and 2nd phases.   | [35]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <b>Antibacterial and Antifungal</b>   |  |   |   |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. gardneriana</i>   | Leaves   | EO showed weak activity against <i>Staphylococcus aureus</i> and <i>Candida guillermondi</i> .  | [30]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. lanceolata</i>  | Bark   | EO inhibited the growth of <i>Staphylococcus pyogenes</i> , <i>Escherichia coli</i> and <i>Candida albicans</i> with MIC values ranging from 20 to 125 µg/mL.   | [33]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. moricandiana</i>  | Leaves   | EO was active against <i>Staphylococcus aureus</i> and <i>Candida albicans</i>  | [30]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. quittensis</i>  | Aerial parts   | EO was active for Gram-positive microorganisms <i>Streptococcus mutans</i> and <i>Streptococcus pyogenes</i> with MIC of 37.5 µg/mL.  | [37]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <b>Trypanocidal</b>   |  |   |   |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. quittensis</i>  | Aerial parts   | EO showed trypanocidal activity against the amastigote and try promastigote forms of <i>Trypanosoma cruzi</i> with IC <sub>50</sub> values of 0.26 and 0.54 µg/mL, respectively.  | [36]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <b>Antioxidant</b>  |  |   |   |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. lanceolata</i>  | Branches   | EO presented antioxidant effect, demonstrated through the DPPH radical, potency reduction and β-carotene assays. It inhibited lipid peroxidation by 41.5% (EC <sub>50</sub> equal to 159.4 µg/mL).  | [35]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <b>Cytotoxic and Antitumor</b>  |  |   |   |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |
| <i>D. furfuracea</i>  | Stem   | EO was active against <i>A. salina</i> with LC <sub>50</sub> values of 2.6 µg/mL.   | [26]  |                                  |                       |                          |                                 |                          |  |         |                 |  |      |  |                 |                     |   |   |  |                      |                     |  |                |   |          |  |   |                        |      |                 |                     |  |      |   |          |                    |  |   |   |                      |                     |  |      |      |          |   |  |                                     |   |   |                     |   |        |  |             |                      |   |   |      |                        |            |   |      |                      |              |  |  |                     |   |      |            |  |                   |  |      |                    |   |   |      |                      |           |  |      |                                |      |            |   |                      |      |   |                     |  |      |                       |        |            |  |      |   |   |   |   |      |   |   |      |      |    |           |      |      |     |      |   |      |      |    |                  |   |     |      |      |      |      |      |    |           |   |   |   |     |   |      |      |    |           |   |      |   |      |   |      |      |    |           |      |      |   |      |      |      |      |    |               |      |     |      |      |     |      |      |    |                     |   |   |   |      |   |      |      |    |                 |      |      |   |      |      |      |      |    |                 |   |      |   |      |   |      |      |    |                 |      |      |      |   |   |      |      |    |                                 |      |      |      |   |   |      |      |    |            |      |      |      |   |      |      |      |    |             |      |      |   |      |   |      |      |    |              |      |   |   |      |   |      |      |    |                   |      |      |      |      |   |      |      |    |             |   |      |   |      |   |      |      |    |            |      |      |   |      |   |      |      |    |             |     |      |      |      |   |      |      |    |            |   |      |   |     |   |      |      |    |                      |      |      |      |      |      |      |      |    |            |     |      |      |   |   |      |      |    |                  |     |      |      |      |   |      |      |   |  |

| URL   | Title  | Table Link  | Table Pic (top)  | Table Header                              | Table footer      |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
|---|--|---|--|---|-------------------|----------------------|------------------|--------------|-------------|-----------------|-----------------|-----------------|------------------|---------------------|------------------|------------------|------------------|------------------|------------------------|------------------|-----------------|-----------------|-----------------|----------|----------------|-----------------|------------------|----------------|--------------|------------------|-----------------|-----------------|------------------|--------------|------------------|-----------------|-----------------|------------------|--------------|-----------------|-----------------|------------------|-----------------|-------------------|-------|-------------------|-----------------|-----------------|--------------|------------------|-------------------|-----------------|------------------|-------------------|------------------|------------------|-----------------|-----------------|-----------------------|---------------|---------------------|------|---------------|-----------|-----------------|------------------|-----------------|------------------|-------------|---------------|--------------------|------|---------------|----------|-------|--------------------|-----------------|-----------------|-----------|-------|--------------|------|------|----------|------------------|-----------------|-----------------|------------------|------------|-----------------|-------------------|------------------|------------------|----------|----------------|--------------------|------|------------------|------------|------------------|----------------------|------|------------------|------------|----------------|---------------------|-----------------|------------------|---------|-------|--------------------|-----------------|------------------|---|---|--------------------|------|------|----|-------|---------------------|------|------|----|-------|-------------------|------|------|----|-------|-------------------|------|------|----|-------|------------------|------|------|----|-------|-----------------------------|------|------|----|-------|-----------------|------|-------|----|-------|------------------|------|------|----|-------|-------------------|------|------|---|---|
| <a href="https://europepmc.org/article/MED/35744789">https://europepmc.org/article/MED/35744789</a> | Effect of Ylang-Ylang ( <i>Cananga odorata</i> Hook. F. & Thomson) Essential Oil on Acute Inflammatory Response In Vitro and In Vivo.  | <a href="https://europepmc.org/articles/PMC9231162/table/molecules-27-03666-t001/">https://europepmc.org/articles/PMC9231162/table/molecules-27-03666-t001/</a> | <p><b>Table 1</b><br/>Chemical composition of <i>Cananga odorata</i> essential oil</p> <table border="1"> <thead> <tr> <th>Peak</th> <th>RT (min)</th> <th>Compound</th> <th>RI</th> <th>%</th> </tr> </thead> <tbody> <tr><td>1</td><td>4.57</td><td>prenyl acetate</td><td>921</td><td>0.41</td></tr> <tr><td>2</td><td>7.10</td><td>p-methyl anisole</td><td>1019</td><td>7.38</td></tr> <tr><td>3</td><td>7.45</td><td>1,8-cineole</td><td>1030</td><td>0.05</td></tr> <tr><td>4</td><td>9.62</td><td>methyl benzoate</td><td>1096</td><td>7.64</td></tr> <tr><td>5</td><td>9.79</td><td>linalool</td><td>1100</td><td>15.23</td></tr> <tr><td>6</td><td>12.28</td><td>benzyl acetate</td><td>1164</td><td>18.12</td></tr> <tr><td>7</td><td>15.99</td><td>linalyl acetate</td><td>1255</td><td>0.21</td></tr> <tr><td>8</td><td>20.91</td><td><math>\alpha</math>-copaene</td><td>1374</td><td>0.38</td></tr> <tr><td>9</td><td>21.33</td><td>geranyl acetate</td><td>1384</td><td>9.46</td></tr> <tr><td>10</td><td>21.60</td><td><math>\beta</math>-elemene</td><td>1390</td><td>0.09</td></tr> <tr><td>11</td><td>22.68</td><td>trans-caryophyllene</td><td>1417</td><td>5.42</td></tr> <tr><td>12</td><td>23.82</td><td>cinnamyl acetate</td><td>1445</td><td>6.05</td></tr> <tr><td>13</td><td>24.05</td><td><math>\alpha</math>-humulene</td><td>1451</td><td>1.80</td></tr> <tr><td>14</td><td>25.01</td><td><math>\gamma</math>-murolone</td><td>1475</td><td>0.42</td></tr> <tr><td>15</td><td>25.17</td><td>germacrene D</td><td>1479</td><td>4.61</td></tr> <tr><td>16</td><td>25.60</td><td>prenyl benzoate</td><td>1489</td><td>0.17</td></tr> <tr><td>17</td><td>25.79</td><td>bicyclogermacrene</td><td>1494</td><td>0.13</td></tr> <tr><td>18</td><td>25.98</td><td><math>\alpha</math>-murolone</td><td>1499</td><td>0.21</td></tr> <tr><td>19</td><td>26.12</td><td><math>\gamma</math>-bisabolene</td><td>1502</td><td>0.59</td></tr> <tr><td>20</td><td>26.32</td><td><math>\alpha</math>-farnesene</td><td>1508</td><td>2.02</td></tr> <tr><td>21</td><td>26.49</td><td><math>\gamma</math>-cadinene</td><td>1512</td><td>0.22</td></tr> <tr><td>22</td><td>26.87</td><td><math>\delta</math>-cadinene</td><td>1522</td><td>0.98</td></tr> <tr><td>23</td><td>29.12</td><td>caryophyllene oxide</td><td>1580</td><td>0.06</td></tr> <tr><td>24</td><td>31.40</td><td><math>\alpha</math>-cadinol</td><td>1641</td><td>0.44</td></tr> <tr><td>25</td><td>31.56</td><td><math>\alpha</math>-murolol</td><td>1645</td><td>0.10</td></tr> <tr><td>26</td><td>31.86</td><td>cadin-4-en-10-ol</td><td>1654</td><td>0.51</td></tr> <tr><td>27</td><td>34.36</td><td>(<math>\alpha,\beta</math>)-farnesol</td><td>1722</td><td>0.38</td></tr> <tr><td>28</td><td>35.80</td><td>benzyl benzoate</td><td>1764</td><td>11.39</td></tr> <tr><td>29</td><td>38.47</td><td>farnesyl acetate</td><td>1841</td><td>0.83</td></tr> <tr><td>30</td><td>39.34</td><td>benzyl salicylate</td><td>1868</td><td>4.47</td></tr> </tbody> </table> <p>RT: retention time; RI: retention index on Rtx-5MS.</p>  | Peak                                      | RT (min)          | Compound             | RI               | %            | 1           | 4.57            | prenyl acetate  | 921             | 0.41             | 2                   | 7.10             | p-methyl anisole | 1019             | 7.38             | 3                      | 7.45             | 1,8-cineole     | 1030            | 0.05            | 4        | 9.62           | methyl benzoate | 1096             | 7.64           | 5            | 9.79             | linalool        | 1100            | 15.23            | 6            | 12.28            | benzyl acetate  | 1164            | 18.12            | 7            | 15.99           | linalyl acetate | 1255             | 0.21            | 8                 | 20.91 | $\alpha$ -copaene | 1374            | 0.38            | 9            | 21.33            | geranyl acetate   | 1384            | 9.46             | 10                | 21.60            | $\beta$ -elemene | 1390            | 0.09            | 11                    | 22.68         | trans-caryophyllene | 1417 | 5.42          | 12        | 23.82           | cinnamyl acetate | 1445            | 6.05             | 13          | 24.05         | $\alpha$ -humulene | 1451 | 1.80          | 14       | 25.01 | $\gamma$ -murolone | 1475            | 0.42            | 15        | 25.17 | germacrene D | 1479 | 4.61 | 16       | 25.60            | prenyl benzoate | 1489            | 0.17             | 17         | 25.79           | bicyclogermacrene | 1494             | 0.13             | 18       | 25.98          | $\alpha$ -murolone | 1499 | 0.21             | 19         | 26.12            | $\gamma$ -bisabolene | 1502 | 0.59             | 20         | 26.32          | $\alpha$ -farnesene | 1508            | 2.02             | 21      | 26.49 | $\gamma$ -cadinene | 1512            | 0.22             | 22  | 26.87   | $\delta$ -cadinene | 1522 | 0.98 | 23 | 29.12 | caryophyllene oxide | 1580 | 0.06 | 24 | 31.40 | $\alpha$ -cadinol | 1641 | 0.44 | 25 | 31.56 | $\alpha$ -murolol | 1645 | 0.10 | 26 | 31.86 | cadin-4-en-10-ol | 1654 | 0.51 | 27 | 34.36 | ( $\alpha,\beta$ )-farnesol | 1722 | 0.38 | 28 | 35.80 | benzyl benzoate | 1764 | 11.39 | 29 | 38.47 | farnesyl acetate | 1841 | 0.83 | 30 | 39.34 | benzyl salicylate | 1868 | 4.47 | <p><b>Table 1</b><br/>Chemical composition of <i>Cananga odorata</i> essential oil.</p> | RT: retention time; RI: retention index on Rtx-5MS. |
| Peak  | RT (min)   | Compound  | RI   | %   |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 1   | 4.57   | prenyl acetate  | 921  | 0.41                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 2   | 7.10   | p-methyl anisole  | 1019   | 7.38                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 3   | 7.45   | 1,8-cineole   | 1030   | 0.05                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 4   | 9.62   | methyl benzoate   | 1096   | 7.64                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 5   | 9.79   | linalool  | 1100   | 15.23                                     |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 6   | 12.28  | benzyl acetate  | 1164   | 18.12                                     |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 7   | 15.99  | linalyl acetate   | 1255   | 0.21                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 8   | 20.91  | $\alpha$ -copaene   | 1374   | 0.38                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 9   | 21.33  | geranyl acetate   | 1384   | 9.46                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 10  | 21.60  | $\beta$ -elemene  | 1390   | 0.09                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 11  | 22.68  | trans-caryophyllene   | 1417   | 5.42                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 12  | 23.82  | cinnamyl acetate  | 1445   | 6.05                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 13  | 24.05  | $\alpha$ -humulene  | 1451   | 1.80                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 14  | 25.01  | $\gamma$ -murolone  | 1475   | 0.42                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 15  | 25.17  | germacrene D  | 1479   | 4.61                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 16  | 25.60  | prenyl benzoate   | 1489   | 0.17                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 17  | 25.79  | bicyclogermacrene   | 1494   | 0.13                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 18  | 25.98  | $\alpha$ -murolone  | 1499   | 0.21                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 19  | 26.12  | $\gamma$ -bisabolene  | 1502   | 0.59                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 20  | 26.32  | $\alpha$ -farnesene   | 1508   | 2.02                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 21  | 26.49  | $\gamma$ -cadinene  | 1512   | 0.22                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 22  | 26.87  | $\delta$ -cadinene  | 1522   | 0.98                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 23  | 29.12  | caryophyllene oxide   | 1580   | 0.06                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 24  | 31.40  | $\alpha$ -cadinol   | 1641   | 0.44                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 25  | 31.56  | $\alpha$ -murolol   | 1645   | 0.10                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 26  | 31.86  | cadin-4-en-10-ol  | 1654   | 0.51                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 27  | 34.36  | ( $\alpha,\beta$ )-farnesol   | 1722   | 0.38                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 28  | 35.80  | benzyl benzoate   | 1764   | 11.39                                     |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 29  | 38.47  | farnesyl acetate  | 1841   | 0.83                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| 30  | 39.34  | benzyl salicylate   | 1868   | 4.47                                      |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
|   | Ocimum sanctum, Zingiber officinale, and Piper nigrum extracts and their effects on gut microbiota modulations (prebiotic potential), basal inflammatory markers and lipid levels: oral supplementation study in healthy rats. | <a href="https://europepmc.org/articles/PMC8865113/table/t0002/">https://europepmc.org/articles/PMC8865113/table/t0002/</a>                                     | <p><b>Table 2.</b><br/>Polyphenols in <i>O.sanctum</i>, <i>Z.officinale</i>, <i>P.nigrum</i> and combined extracts.</p> <table border="1"> <thead> <tr> <th>Polyphenols (mg/100gm)<br/>(Mean <math>\pm</math> SE)</th> <th><i>O. sanctum</i></th> <th><i>Z. officinale</i></th> <th><i>P. nigrum</i></th> <th>Combination*</th> </tr> </thead> <tbody> <tr><td>Gallic acid</td><td>4.02 <math>\pm</math> 0.12</td><td>84.13 <math>\pm</math> 1.2</td><td>6.49 <math>\pm</math> 0.52</td><td>12.91 <math>\pm</math> 0.47</td></tr> <tr><td>Protocatechuic acid</td><td>23.53 <math>\pm</math> 0.12</td><td>19.26 <math>\pm</math> 0.32</td><td>15.38 <math>\pm</math> 0.25</td><td>22.18 <math>\pm</math> 0.62</td></tr> <tr><td>p-hydroxi benzoic acid</td><td>12.61 <math>\pm</math> 0.32</td><td>0.77 <math>\pm</math> 0.11</td><td>3.35 <math>\pm</math> 0.42</td><td>8.59 <math>\pm</math> 0.43</td></tr> <tr><td>Catechin</td><td>356 <math>\pm</math> 2.02</td><td>9.70 <math>\pm</math> 0.14</td><td>28.15 <math>\pm</math> 0.62</td><td>194 <math>\pm</math> 1.66</td></tr> <tr><td>Caffeic acid</td><td>55.68 <math>\pm</math> 1.21</td><td>1.43 <math>\pm</math> 0.01</td><td>3.92 <math>\pm</math> 0.23</td><td>33.32 <math>\pm</math> 1.32</td></tr> <tr><td>Sinapic acid</td><td>18.58 <math>\pm</math> 0.12</td><td>0.95 <math>\pm</math> 0.06</td><td>2.54 <math>\pm</math> 0.31</td><td>12.41 <math>\pm</math> 0.91</td></tr> <tr><td>Ferulic acid</td><td>7.17 <math>\pm</math> 0.23</td><td>2.82 <math>\pm</math> 0.35</td><td>10.45 <math>\pm</math> 0.64</td><td>8.17 <math>\pm</math> 0.33</td></tr> <tr><td>p-Coumaric acid-4</td><td>BDL</td><td>3.84 <math>\pm</math> 0.11</td><td>0.80 <math>\pm</math> 0.01</td><td>0.82 <math>\pm</math> 0.04</td></tr> <tr><td>Ellagic acid</td><td>18.14 <math>\pm</math> 0.21</td><td>14.64 <math>\pm</math> 10.62</td><td>2.47 <math>\pm</math> 0.26</td><td>11.39 <math>\pm</math> 0.62</td></tr> <tr><td>o-Coumaric acid-2</td><td>10.19 <math>\pm</math> 0.96</td><td>7.06 <math>\pm</math> 0.14</td><td>1.60 <math>\pm</math> 0.02</td><td>5.22 <math>\pm</math> 0.34</td></tr> <tr><td>Luteolin-70-Glucoside</td><td>430 <math>\pm</math> 2.3</td><td>BDL</td><td>BDL</td><td>266 <math>\pm</math> 1.8</td></tr> <tr><td>Myricetin</td><td>43.70 <math>\pm</math> 1.2</td><td>BDL</td><td>2.52 <math>\pm</math> 0.34</td><td>27.52 <math>\pm</math> 0.56</td></tr> <tr><td>Resveratrol</td><td>270 <math>\pm</math> 2.1</td><td>2.72 <math>\pm</math> 0.12</td><td>BDL</td><td>164 <math>\pm</math> 2.8</td></tr> <tr><td>Daidzein</td><td>BDL</td><td>BDL</td><td>2.26 <math>\pm</math> 0.41</td><td>3.13 <math>\pm</math> 0.24</td></tr> <tr><td>Quercetin</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></tr> <tr><td>Luteolin</td><td>64.10 <math>\pm</math> 1.02</td><td>BDL</td><td>2.23 <math>\pm</math> 0.61</td><td>39.09 <math>\pm</math> 0.99</td></tr> <tr><td>Naringenin</td><td>6.43 <math>\pm</math> 0.31</td><td>BDL</td><td>24.95 <math>\pm</math> 1.51</td><td>12.99 <math>\pm</math> 0.53</td></tr> <tr><td>Apigenin</td><td>132 <math>\pm</math> 3.11</td><td>BDL</td><td>BDL</td><td>79.57 <math>\pm</math> 1.65</td></tr> <tr><td>Kaempferol</td><td>57.03 <math>\pm</math> 1.21</td><td>BDL</td><td>BDL</td><td>36.78 <math>\pm</math> 0.87</td></tr> <tr><td>Hesperetin</td><td>164 <math>\pm</math> 2.31</td><td>BDL</td><td>7.06 <math>\pm</math> 0.97</td><td>93.66 <math>\pm</math> 2.56</td></tr> <tr><td>Flavone</td><td>BDL</td><td>21.89 <math>\pm</math> 0.91</td><td>88.18 <math>\pm</math> 1.8</td><td>33.36 <math>\pm</math> 1.65</td></tr> </tbody> </table> <p>*Combination (animal dose: 1450 mg/kg/bwt) = <i>O. sanctum</i> (850 mg [58.6%]) + <i>Z. officinale</i> (500 mg [34.6%]) + <i>P. nigrum</i> (100 mg [7.0%]; BDL: Below Detectable Level.</p> | Polyphenols (mg/100gm)<br>(Mean $\pm$ SE) | <i>O. sanctum</i> | <i>Z. officinale</i> | <i>P. nigrum</i> | Combination* | Gallic acid | 4.02 $\pm$ 0.12 | 84.13 $\pm$ 1.2 | 6.49 $\pm$ 0.52 | 12.91 $\pm$ 0.47 | Protocatechuic acid | 23.53 $\pm$ 0.12 | 19.26 $\pm$ 0.32 | 15.38 $\pm$ 0.25 | 22.18 $\pm$ 0.62 | p-hydroxi benzoic acid | 12.61 $\pm$ 0.32 | 0.77 $\pm$ 0.11 | 3.35 $\pm$ 0.42 | 8.59 $\pm$ 0.43 | Catechin | 356 $\pm$ 2.02 | 9.70 $\pm$ 0.14 | 28.15 $\pm$ 0.62 | 194 $\pm$ 1.66 | Caffeic acid | 55.68 $\pm$ 1.21 | 1.43 $\pm$ 0.01 | 3.92 $\pm$ 0.23 | 33.32 $\pm$ 1.32 | Sinapic acid | 18.58 $\pm$ 0.12 | 0.95 $\pm$ 0.06 | 2.54 $\pm$ 0.31 | 12.41 $\pm$ 0.91 | Ferulic acid | 7.17 $\pm$ 0.23 | 2.82 $\pm$ 0.35 | 10.45 $\pm$ 0.64 | 8.17 $\pm$ 0.33 | p-Coumaric acid-4 | BDL   | 3.84 $\pm$ 0.11   | 0.80 $\pm$ 0.01 | 0.82 $\pm$ 0.04 | Ellagic acid | 18.14 $\pm$ 0.21 | 14.64 $\pm$ 10.62 | 2.47 $\pm$ 0.26 | 11.39 $\pm$ 0.62 | o-Coumaric acid-2 | 10.19 $\pm$ 0.96 | 7.06 $\pm$ 0.14  | 1.60 $\pm$ 0.02 | 5.22 $\pm$ 0.34 | Luteolin-70-Glucoside | 430 $\pm$ 2.3 | BDL                 | BDL  | 266 $\pm$ 1.8 | Myricetin | 43.70 $\pm$ 1.2 | BDL              | 2.52 $\pm$ 0.34 | 27.52 $\pm$ 0.56 | Resveratrol | 270 $\pm$ 2.1 | 2.72 $\pm$ 0.12    | BDL  | 164 $\pm$ 2.8 | Daidzein | BDL   | BDL                | 2.26 $\pm$ 0.41 | 3.13 $\pm$ 0.24 | Quercetin | BDL   | BDL          | BDL  | BDL  | Luteolin | 64.10 $\pm$ 1.02 | BDL             | 2.23 $\pm$ 0.61 | 39.09 $\pm$ 0.99 | Naringenin | 6.43 $\pm$ 0.31 | BDL               | 24.95 $\pm$ 1.51 | 12.99 $\pm$ 0.53 | Apigenin | 132 $\pm$ 3.11 | BDL                | BDL  | 79.57 $\pm$ 1.65 | Kaempferol | 57.03 $\pm$ 1.21 | BDL                  | BDL  | 36.78 $\pm$ 0.87 | Hesperetin | 164 $\pm$ 2.31 | BDL                 | 7.06 $\pm$ 0.97 | 93.66 $\pm$ 2.56 | Flavone | BDL   | 21.89 $\pm$ 0.91   | 88.18 $\pm$ 1.8 | 33.36 $\pm$ 1.65 | <p><b>Table 2.</b><br/>Polyphenols in <i>O.sanctum</i>, <i>Z.officinale</i>, <i>P.nigrum</i> and combined extracts.</p> | *Combination (animal dose: 1450 mg/kg/bwt) = <i>O. sanctum</i> (850 mg [58.6%]) + <i>Z. officinale</i> (500 mg [34.6%]) + <i>P. nigrum</i> (100 mg [7.0%]; BDL: Below Detectable Level. |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Polyphenols (mg/100gm)<br>(Mean $\pm$ SE)   | <i>O. sanctum</i>  | <i>Z. officinale</i>  | <i>P. nigrum</i>   | Combination*                              |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Gallic acid   | 4.02 $\pm$ 0.12  | 84.13 $\pm$ 1.2   | 6.49 $\pm$ 0.52  | 12.91 $\pm$ 0.47                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Protocatechuic acid   | 23.53 $\pm$ 0.12   | 19.26 $\pm$ 0.32  | 15.38 $\pm$ 0.25   | 22.18 $\pm$ 0.62                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| p-hydroxi benzoic acid  | 12.61 $\pm$ 0.32   | 0.77 $\pm$ 0.11   | 3.35 $\pm$ 0.42  | 8.59 $\pm$ 0.43                           |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Catechin  | 356 $\pm$ 2.02   | 9.70 $\pm$ 0.14   | 28.15 $\pm$ 0.62   | 194 $\pm$ 1.66                            |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Caffeic acid  | 55.68 $\pm$ 1.21   | 1.43 $\pm$ 0.01   | 3.92 $\pm$ 0.23  | 33.32 $\pm$ 1.32                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Sinapic acid  | 18.58 $\pm$ 0.12   | 0.95 $\pm$ 0.06   | 2.54 $\pm$ 0.31  | 12.41 $\pm$ 0.91                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Ferulic acid  | 7.17 $\pm$ 0.23  | 2.82 $\pm$ 0.35   | 10.45 $\pm$ 0.64   | 8.17 $\pm$ 0.33                           |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| p-Coumaric acid-4   | BDL  | 3.84 $\pm$ 0.11   | 0.80 $\pm$ 0.01  | 0.82 $\pm$ 0.04                           |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Ellagic acid  | 18.14 $\pm$ 0.21   | 14.64 $\pm$ 10.62   | 2.47 $\pm$ 0.26  | 11.39 $\pm$ 0.62                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| o-Coumaric acid-2   | 10.19 $\pm$ 0.96   | 7.06 $\pm$ 0.14   | 1.60 $\pm$ 0.02  | 5.22 $\pm$ 0.34                           |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Luteolin-70-Glucoside   | 430 $\pm$ 2.3  | BDL   | BDL  | 266 $\pm$ 1.8                             |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Myricetin   | 43.70 $\pm$ 1.2  | BDL   | 2.52 $\pm$ 0.34  | 27.52 $\pm$ 0.56                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Resveratrol   | 270 $\pm$ 2.1  | 2.72 $\pm$ 0.12   | BDL  | 164 $\pm$ 2.8                             |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Daidzein  | BDL  | BDL   | 2.26 $\pm$ 0.41  | 3.13 $\pm$ 0.24                           |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Quercetin   | BDL  | BDL   | BDL  | BDL                                       |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Luteolin  | 64.10 $\pm$ 1.02   | BDL   | 2.23 $\pm$ 0.61  | 39.09 $\pm$ 0.99                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Naringenin  | 6.43 $\pm$ 0.31  | BDL   | 24.95 $\pm$ 1.51   | 12.99 $\pm$ 0.53                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Apigenin  | 132 $\pm$ 3.11   | BDL   | BDL  | 79.57 $\pm$ 1.65                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Kaempferol  | 57.03 $\pm$ 1.21   | BDL   | BDL  | 36.78 $\pm$ 0.87                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Hesperetin  | 164 $\pm$ 2.31   | BDL   | 7.06 $\pm$ 0.97  | 93.66 $\pm$ 2.56                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
| Flavone   | BDL  | 21.89 $\pm$ 0.91  | 88.18 $\pm$ 1.8  | 33.36 $\pm$ 1.65                          |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |
|   | Ocimum sanctum, Zingiber officinale, and Piper nigrum extracts and their effects on gut microbiota modulations (prebiotic potential), basal inflammatory markers and lipid levels: oral supplementation study in healthy rats. | <a href="https://europepmc.org/articles/PMC8865113/figure/F0002a/">https://europepmc.org/articles/PMC8865113/figure/F0002a/</a>                                 | <p><b>Figure 2.</b><br/>Chemical composition of essential oils of <i>Ocimum sanctum</i>, <i>Zingiber officinale</i> and <i>Piper nigrum</i>. (2a) GC-MS Chromatogram of <i>O. sanctum</i> essential oil. (2b) GC-MS Chromatogram of <i>Zingiber officinale</i> essential oil. (2c) GC-MS Chromatogram of <i>P. nigrum</i> essential oil. (2d) GC-MS Chromatogram of <i>O. sanctum</i> + <i>Z. officinale</i> essential oils.</p>   |   |                   |                      |                  |              |             |                 |                 |                 |                  |                     |                  |                  |                  |                  |                        |                  |                 |                 |                 |          |                |                 |                  |                |              |                  |                 |                 |                  |              |                  |                 |                 |                  |              |                 |                 |                  |                 |                   |       |                   |                 |                 |              |                  |                   |                 |                  |                   |                  |                  |                 |                 |                       |               |                     |      |               |           |                 |                  |                 |                  |             |               |                    |      |               |          |       |                    |                 |                 |           |       |              |      |      |          |                  |                 |                 |                  |            |                 |                   |                  |                  |          |                |                    |      |                  |            |                  |                      |      |                  |            |                |                     |                 |                  |         |       |                    |                 |                  |   |   |                    |      |      |    |       |                     |      |      |    |       |                   |      |      |    |       |                   |      |      |    |       |                  |      |      |    |       |                             |      |      |    |       |                 |      |       |    |       |                  |      |      |    |       |                   |      |      |   |   |

| URL   | Title  | Table Link  | Table Pic (top)  | Table Header   | Table footer         |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
|---|--|---|--|--|----------------------|-----------------|----------------------|-----------------------|----------------------|-----|-----------------|----------|-----|-------|---------|-----------|------------|-----|------|----------|---------|------|-----------|---------|------|-------|---------|----------|----------|------|------|-------------|---------|------|----------|-------------|------|-------|---------|-------|-----------------------|------|------|----------------------|---------|------|----------|-----------------|------|-------|---------|--------|--------------|------|------|-----------|---------|------|----------|---------------|------|-------|---------|------------|---------|------|------|-----------|---------|------|----------|----------|------|-------|----------|-----------|----------|------|------|----------------------|----------|----|-------------|---|---|-------|-----------|----|----------|------|-----|-------|-----------|----|-----------------------|------|---|-------|-----------|----|---------|------|-----|-------|-----------|----|----------|------|-----|-------|-----------|----|-------------|------|-----|-------|-----------|----|---------|------|---|-------|-----------|----|------------|------|---|-------|-----------|----|---------|------|-----|-------|-----------|----|---------|------|-----|-------|-----------|----|----------------|------|-----|-------|-----------|----|------------|------|-----|-------|-----------|----|---------------|------|-----|-------|-----------|----|-----------|------|-----|-------|-----------|----|---------------|------|-----|-------|-----------|----|--------------|------|-----|-------|-----------|----|-------------|------|-----|-------|-----------|----|-----------------|------|-----|-------|-----------|----|-------------|------|-----|-------|-----------|----|-----------|------|-----|-------|-----------|----|------------|------|-----|-------|-----------|--|--|--|
|   | Ocimum sanctum, Zingiber officinale, and Piper nigrum extracts and their effects on gut microbiota modulations (prebiotic potential), basal inflammatory markers and lipid levels: oral supplementation study in healthy rats. | <a href="https://europepmc.org/articles/PMC8865113/figure/F0002b/">https://europepmc.org/articles/PMC8865113/figure/F0002b/</a>   | <p>Figure 2 consists of four GC-MS chromatograms labeled (a) through (d). Each chromatogram shows relative abundance on the y-axis and retention time in minutes on the x-axis. (a) O. sanctum essential oil: A complex profile with many small peaks. (b) Zingiber officinale essential oil: A similar complex profile. (c) P. nigrum essential oil: A distinct profile with fewer, larger peaks. (d) O. sanctum + P. nigrum essential oils: A combined profile showing the sum of the individual profiles.</p>   | <b>Figure 2.</b><br>Chemical composition of essential oils of <i>Ocimum sanctum</i> , <i>Zingiber officinale</i> and <i>Piper nigrum</i> . (2a) GC-MS Chromatogram of <i>O. sanctum</i> essential oils. (b) GC-MS Chromatogram of <i>Zingiber officinale</i> essential oils. (c) GC-MS Chromatogram of <i>P. nigrum</i> essential oils. (d) GC-MS Chromatogram of <i>O. sanctum</i> + <i>P. nigrum</i> essential oils. |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| <a href="https://europepmc.org/article/MED/35883828">https://europepmc.org/article/MED/35883828</a>                               | Valeriana pilosa Roots Essential Oil: Chemical Composition, Antioxidant Activities, and Molecular Docking Studies on Enzymes Involved in Redox Biological Processes.   | <a href="https://europepmc.org/articles/PMC9311991/table/_antioxidants-11-01_337-t001/">https://europepmc.org/articles/PMC9311991/table/_antioxidants-11-01_337-t001/</a> | <p><b>Table 1</b><br/> Percentage composition of the essential oil isolated from <i>Valeriana pilosa</i> R and P roots collected in Cajamarca, Peru.</p> <table border="1"> <thead> <tr> <th>Nº</th> <th>Components</th> <th>RI <sup>a</sup></th> <th>Relative Content (%)</th> <th>Identification Method</th> <th>RI Data <sup>b</sup></th> </tr> </thead> <tbody> <tr><td>1</td><td>Isovaleric acid</td><td>886</td><td>2.6</td><td>RI,MS</td><td>827-888</td></tr> <tr><td>2</td><td>Tricyclene</td><td>921</td><td>t</td><td>RI,MS</td><td>914-930</td></tr> <tr><td>3</td><td>α-Thujene</td><td>924</td><td>0.1</td><td>RI,MS</td><td>905-948</td></tr> <tr><td>4</td><td>α-Pinene</td><td>930</td><td>3.7</td><td>RI,MS</td><td>909-956</td></tr> <tr><td>5</td><td>Camphene</td><td>938</td><td>1.4</td><td>RI,MS</td><td>929-978</td></tr> <tr><td>6</td><td>3-Methyl valeric acid</td><td>947</td><td>3.1</td><td>RI,MS</td><td>941-968</td></tr> <tr><td>7</td><td>Sabinene</td><td>958</td><td>0.4</td><td>RI,MS</td><td>944-980</td></tr> <tr><td>8</td><td>1-Octen-3-ol</td><td>961</td><td>t</td><td>RI,MS</td><td>958-986</td></tr> <tr><td>9</td><td>β-Pinene</td><td>963</td><td>0.6</td><td>RI,MS</td><td>952-986</td></tr> <tr><td>10</td><td>Myrcene</td><td>975</td><td>0.1</td><td>RI,MS</td><td>962-993</td></tr> <tr><td>11</td><td>Limonene</td><td>1009</td><td>3.2</td><td>RI,MS</td><td>995-1044</td></tr> <tr><td>12</td><td>p-Cymene</td><td>1013</td><td>t</td><td>RI,MS</td><td>992-1072</td></tr> <tr><td>13</td><td>1,8-Cineole</td><td>1015</td><td>4.3</td><td>RI,MS</td><td>1007-1046</td></tr> <tr><td>14</td><td>Linalool</td><td>1074</td><td>0.1</td><td>RI,MS</td><td>1078-1107</td></tr> <tr><td>15</td><td>Isopentyl isovalerate</td><td>1094</td><td>t</td><td>RI,MS</td><td>1094-1105</td></tr> <tr><td>16</td><td>Camphor</td><td>1102</td><td>0.2</td><td>RI,MS</td><td>1105-1150</td></tr> <tr><td>17</td><td>Menthone</td><td>1120</td><td>0.8</td><td>RI,MS</td><td>1124-1142</td></tr> <tr><td>18</td><td>Isomenthone</td><td>1126</td><td>0.2</td><td>RI,MS</td><td>1132-1159</td></tr> <tr><td>19</td><td>Borneol</td><td>1134</td><td>t</td><td>RI,MS</td><td>1140-1188</td></tr> <tr><td>20</td><td>Neomenthol</td><td>1139</td><td>t</td><td>RI,MS</td><td>1153-1176</td></tr> <tr><td>21</td><td>Menthol</td><td>1148</td><td>1.2</td><td>RI,MS</td><td>1141-1185</td></tr> <tr><td>22</td><td>Carvone</td><td>1210</td><td>0.1</td><td>RI,MS</td><td>1210-1246</td></tr> <tr><td>23</td><td>Methyl acetate</td><td>1278</td><td>1.4</td><td>RI,MS</td><td>1276-1294</td></tr> <tr><td>24</td><td>α-Cubebene</td><td>1345</td><td>0.2</td><td>RI,MS</td><td>1340-1360</td></tr> <tr><td>25</td><td>Cyclosativene</td><td>1363</td><td>0.1</td><td>RI,MS</td><td>1363-1368</td></tr> <tr><td>26</td><td>α-Copaene</td><td>1375</td><td>1.0</td><td>RI,MS</td><td>1351-1407</td></tr> <tr><td>27</td><td>β-Patchoulene</td><td>1378</td><td>0.4</td><td>RI,MS</td><td>1375-1380</td></tr> <tr><td>28</td><td>β-Bourbonene</td><td>1379</td><td>0.4</td><td>RI,MS</td><td>1346-1396</td></tr> <tr><td>29</td><td>β-Elemenene</td><td>1388</td><td>0.8</td><td>RI,MS</td><td>1362-1410</td></tr> <tr><td>30</td><td>β-Caryophyllene</td><td>1414</td><td>3.5</td><td>RI,MS</td><td>1411-1421</td></tr> <tr><td>31</td><td>Seychellene</td><td>1431</td><td>7.6</td><td>RI,MS</td><td>1457-1461</td></tr> <tr><td>32</td><td>α-Guaiane</td><td>1437</td><td>4.1</td><td>RI,MS</td><td>1409-1490</td></tr> <tr><td>33</td><td>α-Humulene</td><td>1447</td><td>6.1</td><td>RI,MS</td><td>1428-1489</td></tr> </tbody> </table> <p><sup>a</sup> RI—retention index as determined on the DB-1 column using the homologous series of n-alkanes (C9–C21); <sup>b</sup> trace (&lt;0.05). b RI data—retention index data reported in plant essential oils on non-polar column (<a href="http://www.webbook.nist.gov">www.webbook.nist.gov</a>, accessed on 21 March 2022).</p> | Nº   | Components           | RI <sup>a</sup> | Relative Content (%) | Identification Method | RI Data <sup>b</sup> | 1   | Isovaleric acid | 886      | 2.6 | RI,MS | 827-888 | 2         | Tricyclene | 921 | t    | RI,MS    | 914-930 | 3    | α-Thujene | 924     | 0.1  | RI,MS | 905-948 | 4        | α-Pinene | 930  | 3.7  | RI,MS       | 909-956 | 5    | Camphene | 938         | 1.4  | RI,MS | 929-978 | 6     | 3-Methyl valeric acid | 947  | 3.1  | RI,MS                | 941-968 | 7    | Sabinene | 958             | 0.4  | RI,MS | 944-980 | 8      | 1-Octen-3-ol | 961  | t    | RI,MS     | 958-986 | 9    | β-Pinene | 963           | 0.6  | RI,MS | 952-986 | 10         | Myrcene | 975  | 0.1  | RI,MS     | 962-993 | 11   | Limonene | 1009     | 3.2  | RI,MS | 995-1044 | 12        | p-Cymene | 1013 | t    | RI,MS                | 992-1072 | 13 | 1,8-Cineole | 1015  | 4.3   | RI,MS | 1007-1046 | 14 | Linalool | 1074 | 0.1 | RI,MS | 1078-1107 | 15 | Isopentyl isovalerate | 1094 | t | RI,MS | 1094-1105 | 16 | Camphor | 1102 | 0.2 | RI,MS | 1105-1150 | 17 | Menthone | 1120 | 0.8 | RI,MS | 1124-1142 | 18 | Isomenthone | 1126 | 0.2 | RI,MS | 1132-1159 | 19 | Borneol | 1134 | t | RI,MS | 1140-1188 | 20 | Neomenthol | 1139 | t | RI,MS | 1153-1176 | 21 | Menthol | 1148 | 1.2 | RI,MS | 1141-1185 | 22 | Carvone | 1210 | 0.1 | RI,MS | 1210-1246 | 23 | Methyl acetate | 1278 | 1.4 | RI,MS | 1276-1294 | 24 | α-Cubebene | 1345 | 0.2 | RI,MS | 1340-1360 | 25 | Cyclosativene | 1363 | 0.1 | RI,MS | 1363-1368 | 26 | α-Copaene | 1375 | 1.0 | RI,MS | 1351-1407 | 27 | β-Patchoulene | 1378 | 0.4 | RI,MS | 1375-1380 | 28 | β-Bourbonene | 1379 | 0.4 | RI,MS | 1346-1396 | 29 | β-Elemenene | 1388 | 0.8 | RI,MS | 1362-1410 | 30 | β-Caryophyllene | 1414 | 3.5 | RI,MS | 1411-1421 | 31 | Seychellene | 1431 | 7.6 | RI,MS | 1457-1461 | 32 | α-Guaiane | 1437 | 4.1 | RI,MS | 1409-1490 | 33 | α-Humulene | 1447 | 6.1 | RI,MS | 1428-1489 | <p><b>Table 1</b><br/> Percentage composition of the essential oil isolated from <i>Valeriana pilosa</i> R and P roots collected in Cajamarca, Peru.</p> | <p><b>Table 1</b><br/> Percentage composition of the essential oil isolated from <i>Valeriana pilosa</i> R and P roots collected in Cajamarca, Peru.</p> | <p>a RI—retention index as determined on the DB-1 column using the homologous series of n-alkanes (C9–C21); b RI data—retention index data reported in plant essential oils on non-polar column (<a href="http://www.webbook.nist.gov">www.webbook.nist.gov</a>, accessed on 21 March 2022).</p> |
| Nº  | Components   | RI <sup>a</sup>   | Relative Content (%)   | Identification Method  | RI Data <sup>b</sup> |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 1   | Isovaleric acid  | 886   | 2.6  | RI,MS  | 827-888              |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 2   | Tricyclene   | 921   | t  | RI,MS  | 914-930              |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 3   | α-Thujene  | 924   | 0.1  | RI,MS  | 905-948              |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 4   | α-Pinene   | 930   | 3.7  | RI,MS  | 909-956              |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 5   | Camphene   | 938   | 1.4  | RI,MS  | 929-978              |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 6   | 3-Methyl valeric acid  | 947   | 3.1  | RI,MS  | 941-968              |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 7   | Sabinene   | 958   | 0.4  | RI,MS  | 944-980              |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 8   | 1-Octen-3-ol   | 961   | t  | RI,MS  | 958-986              |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 9   | β-Pinene   | 963   | 0.6  | RI,MS  | 952-986              |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 10  | Myrcene  | 975   | 0.1  | RI,MS  | 962-993              |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 11  | Limonene   | 1009  | 3.2  | RI,MS  | 995-1044             |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 12  | p-Cymene   | 1013  | t  | RI,MS  | 992-1072             |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 13  | 1,8-Cineole  | 1015  | 4.3  | RI,MS  | 1007-1046            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 14  | Linalool   | 1074  | 0.1  | RI,MS  | 1078-1107            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 15  | Isopentyl isovalerate  | 1094  | t  | RI,MS  | 1094-1105            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 16  | Camphor  | 1102  | 0.2  | RI,MS  | 1105-1150            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 17  | Menthone   | 1120  | 0.8  | RI,MS  | 1124-1142            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 18  | Isomenthone  | 1126  | 0.2  | RI,MS  | 1132-1159            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 19  | Borneol  | 1134  | t  | RI,MS  | 1140-1188            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 20  | Neomenthol   | 1139  | t  | RI,MS  | 1153-1176            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 21  | Menthol  | 1148  | 1.2  | RI,MS  | 1141-1185            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 22  | Carvone  | 1210  | 0.1  | RI,MS  | 1210-1246            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 23  | Methyl acetate   | 1278  | 1.4  | RI,MS  | 1276-1294            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 24  | α-Cubebene   | 1345  | 0.2  | RI,MS  | 1340-1360            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 25  | Cyclosativene  | 1363  | 0.1  | RI,MS  | 1363-1368            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 26  | α-Copaene  | 1375  | 1.0  | RI,MS  | 1351-1407            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 27  | β-Patchoulene  | 1378  | 0.4  | RI,MS  | 1375-1380            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 28  | β-Bourbonene   | 1379  | 0.4  | RI,MS  | 1346-1396            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 29  | β-Elemenene  | 1388  | 0.8  | RI,MS  | 1362-1410            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 30  | β-Caryophyllene  | 1414  | 3.5  | RI,MS  | 1411-1421            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 31  | Seychellene  | 1431  | 7.6  | RI,MS  | 1457-1461            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 32  | α-Guaiane  | 1437  | 4.1  | RI,MS  | 1409-1490            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| 33  | α-Humulene   | 1447  | 6.1  | RI,MS  | 1428-1489            |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| <a href="https://europepmc.org/article/MED/35630757#free-full-text">https://europepmc.org/article/MED/35630757#free-full-text</a> | Phytochemical Analysis, Antibacterial Activity and Modulating Effect of Essential Oil from <i>Syzygium cumini</i> (L.) Skeels.   | <a href="https://europepmc.org/articles/PMC9145283/table/_molecules-27-0328_1-t001/">https://europepmc.org/articles/PMC9145283/table/_molecules-27-0328_1-t001/</a>       | <p><b>Table 1</b><br/> Chemical composition of the essential oil from leaves of <i>Syzygium cumini</i> (L.) Skeels.</p> <table border="1"> <thead> <tr> <th>Compounds</th> <th>RI <sup>a</sup></th> <th>RI <sup>b</sup></th> <th>%</th> </tr> </thead> <tbody> <tr><td>α-pinene</td><td>937</td><td>939</td><td>53.21</td></tr> <tr><td>β-pinene</td><td>979</td><td>981</td><td>3.01</td></tr> <tr><td>β-myrcene</td><td>995</td><td>991</td><td>0.75</td></tr> <tr><td>Limonene</td><td>1029</td><td>1031</td><td>1.25</td></tr> <tr><td>Nonanol</td><td>1105</td><td>1103</td><td>5.62</td></tr> <tr><td>Linalool</td><td>1099</td><td>1098</td><td>3.98</td></tr> <tr><td>α-terpineol</td><td>1187</td><td>1189</td><td>2.09</td></tr> <tr><td>Tetradecane</td><td>1226</td><td>1221</td><td>0.27</td></tr> <tr><td>Nerol</td><td>1228</td><td>1228</td><td>9.38</td></tr> <tr><td>(E,Z)-2,4-decadienal</td><td>1296</td><td>1295</td><td>0.98</td></tr> <tr><td>Geranyl acetate</td><td>1385</td><td>1384</td><td>3.43</td></tr> <tr><td>Ionone</td><td>1387</td><td>1387</td><td>1.29</td></tr> <tr><td>Damascone</td><td>1409</td><td>1411</td><td>1.08</td></tr> <tr><td>Caryophyllene</td><td>1417</td><td>1418</td><td>2.81</td></tr> <tr><td>α-humulene</td><td>1451</td><td>1452</td><td>1.57</td></tr> <tr><td>Nerolidol</td><td>1569</td><td>1564</td><td>5.73</td></tr> <tr><td>Globulol</td><td>1581</td><td>1583</td><td>0.06</td></tr> <tr><td>α-cadinol</td><td>1646</td><td>1649</td><td>0.11</td></tr> <tr><td>Total identified (%)</td><td></td><td></td><td>96.62</td></tr> </tbody> </table> <p style="text-align: center;"><a href="#">Open in a separate window</a></p> <p>Source: Research data; <sup>a</sup> experimental retention index (based on the n-alkane C<sub>7</sub>–C<sub>30</sub> homologous series); <sup>b</sup> literature retention index [19].</p>  | Compounds  | RI <sup>a</sup>      | RI <sup>b</sup> | %                    | α-pinene              | 937                  | 939 | 53.21           | β-pinene | 979 | 981   | 3.01    | β-myrcene | 995        | 991 | 0.75 | Limonene | 1029    | 1031 | 1.25      | Nonanol | 1105 | 1103  | 5.62    | Linalool | 1099     | 1098 | 3.98 | α-terpineol | 1187    | 1189 | 2.09     | Tetradecane | 1226 | 1221  | 0.27    | Nerol | 1228                  | 1228 | 9.38 | (E,Z)-2,4-decadienal | 1296    | 1295 | 0.98     | Geranyl acetate | 1385 | 1384  | 3.43    | Ionone | 1387         | 1387 | 1.29 | Damascone | 1409    | 1411 | 1.08     | Caryophyllene | 1417 | 1418  | 2.81    | α-humulene | 1451    | 1452 | 1.57 | Nerolidol | 1569    | 1564 | 5.73     | Globulol | 1581 | 1583  | 0.06     | α-cadinol | 1646     | 1649 | 0.11 | Total identified (%) |          |    | 96.62       | <p><b>Table 1</b><br/> Chemical composition of the essential oil from leaves of <i>Syzygium cumini</i> (L.) Skeels.</p> | Source: Research data; a experimental retention index (based on the n-alkane C <sub>7</sub> –C <sub>30</sub> homologous series); b literature retention index [19]. |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Compounds   | RI <sup>a</sup>  | RI <sup>b</sup>   | %  |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| α-pinene  | 937  | 939   | 53.21  |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| β-pinene  | 979  | 981   | 3.01   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| β-myrcene   | 995  | 991   | 0.75   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Limonene  | 1029   | 1031  | 1.25   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Nonanol   | 1105   | 1103  | 5.62   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Linalool  | 1099   | 1098  | 3.98   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| α-terpineol   | 1187   | 1189  | 2.09   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Tetradecane   | 1226   | 1221  | 0.27   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Nerol   | 1228   | 1228  | 9.38   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| (E,Z)-2,4-decadienal  | 1296   | 1295  | 0.98   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Geranyl acetate   | 1385   | 1384  | 3.43   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Ionone  | 1387   | 1387  | 1.29   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Damascone   | 1409   | 1411  | 1.08   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Caryophyllene   | 1417   | 1418  | 2.81   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| α-humulene  | 1451   | 1452  | 1.57   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Nerolidol   | 1569   | 1564  | 5.73   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Globulol  | 1581   | 1583  | 0.06   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| α-cadinol   | 1646   | 1649  | 0.11   |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |
| Total identified (%)  |  |   | 96.62  |  |                      |                 |                      |                       |                      |     |                 |          |     |       |         |           |            |     |      |          |         |      |           |         |      |       |         |          |          |      |      |             |         |      |          |             |      |       |         |       |                       |      |      |                      |         |      |          |                 |      |       |         |        |              |      |      |           |         |      |          |               |      |       |         |            |         |      |      |           |         |      |          |          |      |       |          |           |          |      |      |                      |          |    |             |   |   |       |           |    |          |      |     |       |           |    |                       |      |   |       |           |    |         |      |     |       |           |    |          |      |     |       |           |    |             |      |     |       |           |    |         |      |   |       |           |    |            |      |   |       |           |    |         |      |     |       |           |    |         |      |     |       |           |    |                |      |     |       |           |    |            |      |     |       |           |    |               |      |     |       |           |    |           |      |     |       |           |    |               |      |     |       |           |    |              |      |     |       |           |    |             |      |     |       |           |    |                 |      |     |       |           |    |             |      |     |       |           |    |           |      |     |       |           |    |            |      |     |       |           |  |  |  |

| URL   | Title   | Table Link  | Table Pic (top)   | Table Header  | Table footer                    |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
|---|---|---|---|---------------|---------------------------------|---------------------|----------------------|-----------|---|--------|----------------|---|---------|--------------------------------------|--------|-----|------------------------------|------|--|--------|-------------------|--|------|-------------------------------|--------------------------|-----|--|------|--------------------------------|--------|-----------------|--|----------|-----------------------------|------------------|------|--|------------------|-------------------------------|--------------------|----------|---|-------|---------------------------|--------------------|------|-----------------------|-------|-----------------------|--------------------|---|--|---------------------------|--|--------|-------|--|-------|----------------------------|--------|--------------|------------------------------|-------|--------------------------|-------------------|----------|-----------------------------------|------|-----------------------|--------------------|-------|--|------------------|---|--------|------|---|-------|----------------------|---------------------|---------------|---------------------------------------|-------|--|--------|--------|---|-------|---|--------|------|---|-------|--|--|---------|-----------------------------|------|------|----|-------------------|------|------|----|----------------|------|------|-----------------------|--------------|------|---|----|-----------------|------|---------|------|---------|------|------|------|---------------|-------------------------|------|------|--------------------|------|------|----|----------------------------|------|------|------|----------------------|------|---|----------|-----------------|------|------|----|-----------------------------|------|-----------------|--|--|------|---|------|---|---------------|------|---------|------|------|------|---|-------------|------|------|---|---|------|---|---------|------|------|---|---|------|---|------------|------|------|---|---|------|---|-----------|------|------|------|------|------|---|--------------|------|------|------|---|------|---|--------|------|------|------|------|------|---|----------------|------|------|------|------|---|---|-----------|------|------|---|---|---|------|---------------------|------|------|---|---|------|---|-----------------|------|------|------|---|------|---|------------------|------|---------|------|------|------|------|---------------------|------|------|------|---|---|---|---------------------|------|------|---|------|------|------|---|---|
| <a href="https://europepmc.org/article/MED/35140337#free-full-text">https://europepmc.org/article/MED/35140337#free-full-text</a> | Chemical composition, antioxidant, and antimicrobial activity of <i>Elsholtzia beddomei</i> C. B. Clarke ex Hook. f. essential oil.   | <a href="https://europepmc.org/articles/PMC8282703/table/Tab1/">https://europepmc.org/articles/PMC8282703/table/Tab1/</a> | <p><b>Table 1</b><br/>Chemical constituents of <i>E. beddomei</i> essential oil.</p> <table border="1"> <thead> <tr> <th>No</th> <th>Compound</th> <th>RI<sup>a</sup></th> <th>%Peak area</th> </tr> </thead> <tbody> <tr><td>1</td><td>2E-hexenal</td><td>854</td><td>t<sup>b</sup></td></tr> <tr><td>2</td><td>hexanol</td><td>872</td><td>t</td></tr> <tr><td>3</td><td>benzaldehyde</td><td>962</td><td>0.31</td></tr> <tr><td>4</td><td>endo-2-norborneol</td><td>991</td><td>0.07</td></tr> <tr><td>5</td><td>cis-meta-metha-2,8-diene</td><td>993</td><td>0.06</td></tr> <tr><td>6</td><td>benzyl alcohol</td><td>1036</td><td>t</td></tr> <tr><td>7</td><td>bergamal</td><td>1059</td><td>t</td></tr> <tr><td>8</td><td>acetophenone</td><td>1070</td><td>0.81</td></tr> <tr><td>9</td><td>linalool</td><td>1106</td><td>83.67</td></tr> <tr><td>10</td><td>perillene</td><td>1113</td><td>1.65</td></tr> <tr><td>11</td><td>exo-societal</td><td>1151</td><td>t</td></tr> <tr><td>12</td><td>trans-<math>\alpha</math>-necrodol</td><td>1155</td><td>t</td></tr> <tr><td>13</td><td><math>\beta</math>-pinene oxide</td><td>1166</td><td>0.12</td></tr> <tr><td>14</td><td>lavandulol</td><td>1177</td><td>t</td></tr> <tr><td>15</td><td>rosefuran epoxide</td><td>1185</td><td>t</td></tr> <tr><td>16</td><td>Z-isocitral</td><td>1189</td><td>0.15</td></tr> <tr><td>17</td><td>verbanol</td><td>1210</td><td>0.16</td></tr> <tr><td>18</td><td>elsholtzia ketone</td><td>1214</td><td>0.24</td></tr> <tr><td>19</td><td>trans-pulegol</td><td>1225</td><td>t</td></tr> <tr><td>20</td><td>nerol</td><td>1239</td><td>0.33</td></tr> <tr><td>21</td><td>exo-fenchyl acetate</td><td>1241</td><td>t</td></tr> <tr><td>22</td><td>neral</td><td>1247</td><td>3.68</td></tr> <tr><td>23</td><td>trans-chrysanthenyl acetate</td><td>1247</td><td>0.26</td></tr> <tr><td>24</td><td>geraniol</td><td>1261</td><td>0.11</td></tr> <tr><td>25</td><td>perillaldehyde</td><td>1282</td><td>4.68</td></tr> <tr><td>26</td><td>nerylformate</td><td>1293</td><td>t</td></tr> <tr><td>27</td><td>methyl geranate</td><td>1335</td><td>0.06</td></tr> <tr><td>28</td><td>eugenol</td><td>1370</td><td>t</td></tr> <tr><td>29</td><td>neryl acetate</td><td>1373</td><td>0.05</td></tr> <tr><td>30</td><td><math>\alpha</math>-ylangene</td><td>1387</td><td>t</td></tr> <tr><td>31</td><td>geranyl acetate</td><td>1393</td><td>t</td></tr> <tr><td>32</td><td>p-but-E-enyl-anisole</td><td>1394</td><td>t</td></tr> <tr><td>33</td><td>E-caryophyllene</td><td>1431</td><td>1.55</td></tr> <tr><td>34</td><td><math>\alpha</math>-trans-bergamotene</td><td>1446</td><td>t</td></tr> </tbody> </table> <p><sup>a</sup>Calculated retention indices obtained from a DB-5 column.<br/><sup>b</sup>Trace amount &lt; 0.05.</p>   | No            | Compound                        | RI <sup>a</sup>     | %Peak area           | 1         | 2E-hexenal                                    | 854    | t <sup>b</sup> | 2   | hexanol | 872                                  | t      | 3   | benzaldehyde                 | 962  | 0.31   | 4      | endo-2-norborneol | 991  | 0.07 | 5                             | cis-meta-metha-2,8-diene | 993 | 0.06   | 6    | benzyl alcohol                 | 1036   | t               | 7  | bergamal | 1059                        | t                | 8    | acetophenone   | 1070             | 0.81                          | 9                  | linalool | 1106  | 83.67 | 10                        | perillene          | 1113 | 1.65                  | 11    | exo-societal          | 1151               | t | 12   | trans- $\alpha$ -necrodol | 1155   | t      | 13    | $\beta$ -pinene oxide  | 1166  | 0.12                       | 14     | lavandulol   | 1177                         | t     | 15                       | rosefuran epoxide | 1185     | t                                 | 16   | Z-isocitral           | 1189               | 0.15  | 17   | verbanol         | 1210                                      | 0.16   | 18   | elsholtzia ketone                       | 1214  | 0.24                 | 19                  | trans-pulegol | 1225                                  | t     | 20   | nerol  | 1239   | 0.33  | 21    | exo-fenchyl acetate   | 1241   | t    | 22  | neral | 1247   | 3.68   | 23      | trans-chrysanthenyl acetate | 1247 | 0.26 | 24 | geraniol          | 1261 | 0.11 | 25 | perillaldehyde | 1282 | 4.68 | 26                    | nerylformate | 1293 | t | 27 | methyl geranate | 1335 | 0.06    | 28   | eugenol | 1370 | t    | 29   | neryl acetate | 1373                    | 0.05 | 30   | $\alpha$ -ylangene | 1387 | t    | 31 | geranyl acetate            | 1393 | t    | 32   | p-but-E-enyl-anisole | 1394 | t | 33       | E-caryophyllene | 1431 | 1.55 | 34 | $\alpha$ -trans-bergamotene | 1446 | t               | <p><b>Table 1</b><br/>Chemical constituents of <i>E. beddomei</i> essential oil.</p> | <p>Calculated retention indices obtained from a DB-5 column.<br/>Trace amount &lt; 0.05.</p> |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| No  | Compound  | RI <sup>a</sup>   | %Peak area  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 1   | 2E-hexenal  | 854   | t <sup>b</sup>  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 2   | hexanol   | 872   | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 3   | benzaldehyde  | 962   | 0.31  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 4   | endo-2-norborneol   | 991   | 0.07  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 5   | cis-meta-metha-2,8-diene  | 993   | 0.06  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 6   | benzyl alcohol  | 1036  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 7   | bergamal  | 1059  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 8   | acetophenone  | 1070  | 0.81  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 9   | linalool  | 1106  | 83.67   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 10  | perillene   | 1113  | 1.65  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 11  | exo-societal  | 1151  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 12  | trans- $\alpha$ -necrodol   | 1155  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 13  | $\beta$ -pinene oxide   | 1166  | 0.12  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 14  | lavandulol  | 1177  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 15  | rosefuran epoxide   | 1185  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 16  | Z-isocitral   | 1189  | 0.15  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 17  | verbanol  | 1210  | 0.16  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 18  | elsholtzia ketone   | 1214  | 0.24  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 19  | trans-pulegol   | 1225  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 20  | nerol   | 1239  | 0.33  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 21  | exo-fenchyl acetate   | 1241  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 22  | neral   | 1247  | 3.68  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 23  | trans-chrysanthenyl acetate   | 1247  | 0.26  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 24  | geraniol  | 1261  | 0.11  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 25  | perillaldehyde  | 1282  | 4.68  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 26  | nerylformate  | 1293  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 27  | methyl geranate   | 1335  | 0.06  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 28  | eugenol   | 1370  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 29  | neryl acetate   | 1373  | 0.05  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 30  | $\alpha$ -ylangene  | 1387  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 31  | geranyl acetate   | 1393  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 32  | p-but-E-enyl-anisole  | 1394  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 33  | E-caryophyllene   | 1431  | 1.55  |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| 34  | $\alpha$ -trans-bergamotene   | 1446  | t   |               |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <a href="https://europepmc.org/article/MED/35677362">https://europepmc.org/article/MED/35677362</a>                               | Chemical Composition, Antioxidant, Insecticidal Activity, and Comparative Analysis of Essential Oils of Leaves and Fruits of <i>Schinus molle</i> and <i>Schinus terebinthifolius</i> . | <a href="https://europepmc.org/articles/PMC9170424/table/tab2/">https://europepmc.org/articles/PMC9170424/table/tab2/</a> | <p><b>Table 2</b><br/>Chemical composition of different essential oils.</p> <table border="1"> <thead> <tr> <th rowspan="2">Compound name</th> <th colspan="2">Retention indices</th> <th colspan="2"><i>Schinus molle</i></th> <th colspan="2"><i>Schinus terebinthifolius</i></th> </tr> <tr> <th>RI I</th> <th>RI a</th> <th>SML</th> <th>SMF</th> <th>STL</th> <th>STF</th> </tr> </thead> <tbody> <tr><td><math>\alpha</math>-Pinene</td><td>936</td><td>934</td><td>—</td><td>0.70</td><td>—</td><td>3.26</td></tr> <tr><td>Camphepane</td><td>950</td><td>948</td><td>0.21</td><td>2.22</td><td>0.91</td><td>—</td></tr> <tr><td><math>\beta</math>-Pinene</td><td>978</td><td>974.96</td><td>0.24</td><td>1.21</td><td>1.48</td><td>0.25</td></tr> <tr><td><math>\beta</math>-Myrcene</td><td>987</td><td>983</td><td>10.36</td><td>5.44</td><td>4.22</td><td>0.70</td></tr> <tr><td>(+)-2-Carene</td><td>996</td><td>996</td><td>3.19</td><td>—</td><td>—</td><td>—</td></tr> <tr><td><math>\alpha</math>-Phellandrene</td><td>998</td><td>1001</td><td>0.22</td><td>0.75</td><td>0.96</td><td>—</td></tr> <tr><td><math>\alpha</math>-Terpinene</td><td>1013</td><td>1014</td><td>12.01</td><td>8.15</td><td>9.45</td><td>6.70</td></tr> <tr><td>Limonene</td><td>1025</td><td>1026</td><td>22.94</td><td>18.49</td><td>23.22</td><td>6.52</td></tr> <tr><td><math>\beta</math>-Ocimene</td><td>1027</td><td>1028</td><td>—</td><td>5.04</td><td>13.32</td><td>—</td></tr> <tr><td><math>\gamma</math>-Terpinene</td><td>1051</td><td>1052</td><td>12.01</td><td>8.15</td><td>9.45</td><td>6.70</td></tr> <tr><td>Terpinolene</td><td>1086</td><td>1082</td><td>0.50</td><td>0.61</td><td>2.09</td><td>0.77</td></tr> <tr><td>Linalool</td><td>1086</td><td>1085.36</td><td>—</td><td>0.23</td><td>—</td><td>—</td></tr> <tr><td><math>\alpha</math>-Thujone</td><td>1087</td><td>1089</td><td>—</td><td>0.34</td><td>—</td><td>—</td></tr> <tr><td><math>\alpha</math>-Campholenal</td><td>1105</td><td>1110</td><td>—</td><td>—</td><td>0.20</td><td>—</td></tr> <tr><td>Sabinol</td><td>1120</td><td>1121</td><td>2.52</td><td>1.57</td><td>5.07</td><td>0.33</td></tr> <tr><td>Trans-p-menth-2-en-1-ol</td><td>1123</td><td>1127</td><td>0.75</td><td>—</td><td>0.62</td><td>—</td></tr> <tr><td>Octanoic acid methyl ester</td><td>1125</td><td>1126</td><td>2.26</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>Verbenol</td><td>1128</td><td>1130</td><td>—</td><td>—</td><td>0.28</td><td>—</td></tr> <tr><td>Para-cymen-8-ol</td><td>1162</td><td>1163</td><td>0.28</td><td>—</td><td>0.77</td><td>—</td></tr> <tr><td>Terpenen-4-ol</td><td>1164</td><td>1165.28</td><td>0.44</td><td>0.36</td><td>0.37</td><td>—</td></tr> <tr><td>Pinocarveol</td><td>1184</td><td>1187</td><td>—</td><td>—</td><td>0.40</td><td>—</td></tr> <tr><td>Carvone</td><td>1214</td><td>1219</td><td>—</td><td>—</td><td>0.27</td><td>—</td></tr> <tr><td>Piperitone</td><td>1232</td><td>1231</td><td>—</td><td>—</td><td>0.35</td><td>—</td></tr> <tr><td>Carvenone</td><td>1236</td><td>1234</td><td>0.89</td><td>0.24</td><td>1.26</td><td>—</td></tr> <tr><td>Phellandrial</td><td>1249</td><td>1250</td><td>0.30</td><td>—</td><td>0.42</td><td>—</td></tr> <tr><td>Thymol</td><td>1267</td><td>1278</td><td>1.33</td><td>0.82</td><td>1.75</td><td>—</td></tr> <tr><td>Bornyl acetate</td><td>1273</td><td>1279</td><td>0.29</td><td>0.52</td><td>—</td><td>—</td></tr> <tr><td>Carvacrol</td><td>1278</td><td>1286</td><td>—</td><td>—</td><td>—</td><td>0.37</td></tr> <tr><td>Citronellol acetate</td><td>1334</td><td>1337</td><td>—</td><td>—</td><td>2.25</td><td>—</td></tr> <tr><td>Geranyl acetate</td><td>1358</td><td>1357</td><td>0.30</td><td>—</td><td>0.50</td><td>—</td></tr> <tr><td><math>\beta</math>-Elemene</td><td>1389</td><td>1389.71</td><td>0.47</td><td>1.39</td><td>0.26</td><td>8.15</td></tr> <tr><td><math>\alpha</math>-bisabolol</td><td>1665</td><td>1666</td><td>0.61</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>Caryophyllene oxide</td><td>1578</td><td>1573</td><td>—</td><td>0.34</td><td>0.28</td><td>0.22</td></tr> </tbody> </table> | Compound name | Retention indices               |                     | <i>Schinus molle</i> |           | <i>Schinus terebinthifolius</i>               |        | RI I           | RI a  | SML     | SMF                                  | STL    | STF | $\alpha$ -Pinene             | 936  | 934  | —      | 0.70              | —  | 3.26 | Camphepane                    | 950                      | 948 | 0.21   | 2.22 | 0.91                           | —      | $\beta$ -Pinene | 978  | 974.96   | 0.24                        | 1.21             | 1.48 | 0.25   | $\beta$ -Myrcene | 987                           | 983                | 10.36    | 5.44  | 4.22  | 0.70                      | (+)-2-Carene       | 996  | 996                   | 3.19  | —                     | —                  | — | $\alpha$ -Phellandrene                         | 998                       | 1001   | 0.22   | 0.75  | 0.96   | —     | $\alpha$ -Terpinene        | 1013   | 1014         | 12.01                        | 8.15  | 9.45                     | 6.70              | Limonene | 1025                              | 1026 | 22.94                 | 18.49              | 23.22 | 6.52   | $\beta$ -Ocimene | 1027                                      | 1028   | —    | 5.04                                    | 13.32 | —                    | $\gamma$ -Terpinene | 1051          | 1052                                  | 12.01 | 8.15   | 9.45   | 6.70   | Terpinolene   | 1086  | 1082  | 0.50   | 0.61 | 2.09  | 0.77  | Linalool   | 1086   | 1085.36 | —                           | 0.23 | —    | —  | $\alpha$ -Thujone | 1087 | 1089 | —  | 0.34           | —    | —    | $\alpha$ -Campholenal | 1105         | 1110 | — | —  | 0.20            | —    | Sabinol | 1120 | 1121    | 2.52 | 1.57 | 5.07 | 0.33          | Trans-p-menth-2-en-1-ol | 1123 | 1127 | 0.75               | —    | 0.62 | —  | Octanoic acid methyl ester | 1125 | 1126 | 2.26 | —                    | —    | — | Verbenol | 1128            | 1130 | —    | —  | 0.28                        | —    | Para-cymen-8-ol | 1162   | 1163   | 0.28 | — | 0.77 | — | Terpenen-4-ol | 1164 | 1165.28 | 0.44 | 0.36 | 0.37 | — | Pinocarveol | 1184 | 1187 | — | — | 0.40 | — | Carvone | 1214 | 1219 | — | — | 0.27 | — | Piperitone | 1232 | 1231 | — | — | 0.35 | — | Carvenone | 1236 | 1234 | 0.89 | 0.24 | 1.26 | — | Phellandrial | 1249 | 1250 | 0.30 | — | 0.42 | — | Thymol | 1267 | 1278 | 1.33 | 0.82 | 1.75 | — | Bornyl acetate | 1273 | 1279 | 0.29 | 0.52 | — | — | Carvacrol | 1278 | 1286 | — | — | — | 0.37 | Citronellol acetate | 1334 | 1337 | — | — | 2.25 | — | Geranyl acetate | 1358 | 1357 | 0.30 | — | 0.50 | — | $\beta$ -Elemene | 1389 | 1389.71 | 0.47 | 1.39 | 0.26 | 8.15 | $\alpha$ -bisabolol | 1665 | 1666 | 0.61 | — | — | — | Caryophyllene oxide | 1578 | 1573 | — | 0.34 | 0.28 | 0.22 | <p><b>Table 2</b><br/>Chemical composition of different essential oils.</p> | <p><b>Table 2</b><br/>Chemical composition of different essential oils.</p> |
| Compound name   | Retention indices   |   | <i>Schinus molle</i>  |               | <i>Schinus terebinthifolius</i> |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
|   | RI I  | RI a  | SML   | SMF           | STL                             | STF                 |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| $\alpha$ -Pinene  | 936   | 934   | —   | 0.70          | —                               | 3.26                |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Camphepane  | 950   | 948   | 0.21  | 2.22          | 0.91                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| $\beta$ -Pinene   | 978   | 974.96  | 0.24  | 1.21          | 1.48                            | 0.25                |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| $\beta$ -Myrcene  | 987   | 983   | 10.36   | 5.44          | 4.22                            | 0.70                |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| (+)-2-Carene  | 996   | 996   | 3.19  | —             | —                               | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| $\alpha$ -Phellandrene  | 998   | 1001  | 0.22  | 0.75          | 0.96                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| $\alpha$ -Terpinene   | 1013  | 1014  | 12.01   | 8.15          | 9.45                            | 6.70                |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Limonene  | 1025  | 1026  | 22.94   | 18.49         | 23.22                           | 6.52                |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| $\beta$ -Ocimene  | 1027  | 1028  | —   | 5.04          | 13.32                           | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| $\gamma$ -Terpinene   | 1051  | 1052  | 12.01   | 8.15          | 9.45                            | 6.70                |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Terpinolene   | 1086  | 1082  | 0.50  | 0.61          | 2.09                            | 0.77                |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Linalool  | 1086  | 1085.36   | —   | 0.23          | —                               | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| $\alpha$ -Thujone   | 1087  | 1089  | —   | 0.34          | —                               | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| $\alpha$ -Campholenal   | 1105  | 1110  | —   | —             | 0.20                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Sabinol   | 1120  | 1121  | 2.52  | 1.57          | 5.07                            | 0.33                |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Trans-p-menth-2-en-1-ol   | 1123  | 1127  | 0.75  | —             | 0.62                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Octanoic acid methyl ester  | 1125  | 1126  | 2.26  | —             | —                               | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Verbenol  | 1128  | 1130  | —   | —             | 0.28                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Para-cymen-8-ol   | 1162  | 1163  | 0.28  | —             | 0.77                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Terpenen-4-ol   | 1164  | 1165.28   | 0.44  | 0.36          | 0.37                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Pinocarveol   | 1184  | 1187  | —   | —             | 0.40                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Carvone   | 1214  | 1219  | —   | —             | 0.27                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Piperitone  | 1232  | 1231  | —   | —             | 0.35                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Carvenone   | 1236  | 1234  | 0.89  | 0.24          | 1.26                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Phellandrial  | 1249  | 1250  | 0.30  | —             | 0.42                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Thymol  | 1267  | 1278  | 1.33  | 0.82          | 1.75                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Bornyl acetate  | 1273  | 1279  | 0.29  | 0.52          | —                               | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Carvacrol   | 1278  | 1286  | —   | —             | —                               | 0.37                |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Citronellol acetate   | 1334  | 1337  | —   | —             | 2.25                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Geranyl acetate   | 1358  | 1357  | 0.30  | —             | 0.50                            | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| $\beta$ -Elemene  | 1389  | 1389.71   | 0.47  | 1.39          | 0.26                            | 8.15                |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| $\alpha$ -bisabolol   | 1665  | 1666  | 0.61  | —             | —                               | —                   |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Caryophyllene oxide   | 1578  | 1573  | —   | 0.34          | 0.28                            | 0.22                |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <a href="https://europepmc.org/article/MED/34950215#free-full-text">https://europepmc.org/article/MED/34950215#free-full-text</a> | Lamiaceae Essential Oils, Phytochemical Profile, Antioxidant, and Biological Activities.  | <a href="https://europepmc.org/articles/PMC8692021/table/tab1/">https://europepmc.org/articles/PMC8692021/table/tab1/</a> | <p><b>Table 1</b><br/>Chemical composition and yield of essential oils from Lamiaceae species.</p> <table border="1"> <thead> <tr> <th>Species</th> <th>Plant part</th> <th>Essential oil yield</th> <th>Main compounds</th> <th>Reference</th> </tr> </thead> <tbody> <tr><td><i>Aeollanthus suaveolens</i> Mart. ex Spreng</td><td>Leaves</td><td>1.6%</td><td>Massoia lactone, linalool,(E)-B-farnesene, geraniol, 2,5-dimethoxy-p-cymene</td><td>[95]</td></tr> <tr><td><i>Calamintha nepeta</i> (L.) Kuntze</td><td>Leaves</td><td>*</td><td>Pulegone, menthone, limonene</td><td>[96]</td></tr> <tr><td><i>Clinopodium macrostemon</i> (Moc. and Sessé ex Benth.) Kuntze</td><td>Leaves</td><td>0.80%</td><td>linalool, nerol, caryophyllene, menthone, geranyl acetate, terpineol, pulegone</td><td>[97]</td></tr> <tr><td><i>Hyptis dilatata</i> Benth.</td><td>Leaves</td><td>*</td><td>Fenchone, 3-carene, <math>\alpha</math>-pinene, <math>\beta</math>-caryophyllene, limonene, <math>\beta</math>-pinene, and camphor</td><td>[98]</td></tr> <tr><td><i>Hyptis martiusii</i> Benth.</td><td>Leaves</td><td>0.34%</td><td>1,8-cineole, d-carene, camphor, limonene, germacrene B</td><td>[99]</td></tr> <tr><td><i>Lavandula dentata</i> L.</td><td>Leaves and stems</td><td>*</td><td>1,8-cineole, isolimonene, thuj-3-en-10-al, trans-pinocarveol</td><td>[100]</td></tr> <tr><td><i>Melissa officinalis</i> L.</td><td>Leaves and flowers</td><td>0.10%</td><td>Citral, caryophyllene oxide, citronellal, geraniol, geranyl acetate, <math>\beta</math>-caryophyllene</td><td>[101]</td></tr> <tr><td><i>Mentha arvensis</i> L.</td><td>Leaves and flowers</td><td>*</td><td>Citronellal and nerol</td><td>[102]</td></tr> <tr><td><i>M. piperita</i> L.</td><td>Leaves and flowers</td><td>*</td><td>Menthone, menthol, pulegone and methyl acetate</td><td>[103]</td></tr> <tr><td><i>Minthostachys mollis</i> (Benth.) Griseb.</td><td>Leaves</td><td>0.98%</td><td>Menthone, pulegone, cis-dihydrocarvone, carvacryl acetate, linalyl acetate, and linalool</td><td>[104]</td></tr> <tr><td><i>Ocimum basilicum</i> L.</td><td>Leaves</td><td>1.56 ± 0.15%</td><td>linalyl acetate and linalool</td><td>[105]</td></tr> <tr><td><i>O. gratissimum</i> L.</td><td>Leaves</td><td>*</td><td>1,8-Cineole, eugenol, 4-terpineol</td><td>[91]</td></tr> <tr><td><i>O. gratissimum</i></td><td>Leaves and flowers</td><td>*</td><td>Thymol, eugenol, 1,8-cineole, E-caryophyllene, <math>\beta</math>-selinene</td><td>[106]</td></tr> <tr><td><i>Origanum scabrum</i> Boiss. and Heldr.</td><td>Leaves</td><td>1.5%</td><td>Carvacrol, thymol, p-cymene,y-terpinene</td><td>[107]</td></tr> <tr><td><i>O. vulgare</i> L.</td><td>Leaves</td><td>*</td><td>4-terpineol, sabinene hydrate, thymol</td><td>[92]</td></tr> <tr><td><i>Plectranthus amboinicus</i> (Lour.) Spreng.</td><td>Leaves</td><td>0.009%</td><td>Thymol, <math>\beta</math>-pinene, y-terpinene, caryophyllene</td><td>[108]</td></tr> <tr><td><i>Plectranthus barbatus</i> var. <i>grandis</i> (L.H. Cramer) Lukhoba and A.J. Paton</td><td>Leaves</td><td>*</td><td><math>\beta</math>-caryophyllene, <math>\alpha</math>-copaene, germacrene</td><td>[109]</td></tr> </tbody> </table>   | Species       | Plant part                      | Essential oil yield | Main compounds       | Reference | <i>Aeollanthus suaveolens</i> Mart. ex Spreng | Leaves | 1.6%           | Massoia lactone, linalool,(E)-B-farnesene, geraniol, 2,5-dimethoxy-p-cymene | [95]    | <i>Calamintha nepeta</i> (L.) Kuntze | Leaves | *   | Pulegone, menthone, limonene | [96] | <i>Clinopodium macrostemon</i> (Moc. and Sessé ex Benth.) Kuntze | Leaves | 0.80%             | linalool, nerol, caryophyllene, menthone, geranyl acetate, terpineol, pulegone | [97] | <i>Hyptis dilatata</i> Benth. | Leaves                   | *   | Fenchone, 3-carene, $\alpha$ -pinene, $\beta$ -caryophyllene, limonene, $\beta$ -pinene, and camphor | [98] | <i>Hyptis martiusii</i> Benth. | Leaves | 0.34%           | 1,8-cineole, d-carene, camphor, limonene, germacrene B | [99]     | <i>Lavandula dentata</i> L. | Leaves and stems | *    | 1,8-cineole, isolimonene, thuj-3-en-10-al, trans-pinocarveol | [100]            | <i>Melissa officinalis</i> L. | Leaves and flowers | 0.10%    | Citral, caryophyllene oxide, citronellal, geraniol, geranyl acetate, $\beta$ -caryophyllene | [101] | <i>Mentha arvensis</i> L. | Leaves and flowers | *    | Citronellal and nerol | [102] | <i>M. piperita</i> L. | Leaves and flowers | * | Menthone, menthol, pulegone and methyl acetate | [103]                     | <i>Minthostachys mollis</i> (Benth.) Griseb. | Leaves | 0.98% | Menthone, pulegone, cis-dihydrocarvone, carvacryl acetate, linalyl acetate, and linalool | [104] | <i>Ocimum basilicum</i> L. | Leaves | 1.56 ± 0.15% | linalyl acetate and linalool | [105] | <i>O. gratissimum</i> L. | Leaves            | *        | 1,8-Cineole, eugenol, 4-terpineol | [91] | <i>O. gratissimum</i> | Leaves and flowers | *     | Thymol, eugenol, 1,8-cineole, E-caryophyllene, $\beta$ -selinene | [106]            | <i>Origanum scabrum</i> Boiss. and Heldr. | Leaves | 1.5% | Carvacrol, thymol, p-cymene,y-terpinene | [107] | <i>O. vulgare</i> L. | Leaves              | *             | 4-terpineol, sabinene hydrate, thymol | [92]  | <i>Plectranthus amboinicus</i> (Lour.) Spreng. | Leaves | 0.009% | Thymol, $\beta$ -pinene, y-terpinene, caryophyllene | [108] | <i>Plectranthus barbatus</i> var. <i>grandis</i> (L.H. Cramer) Lukhoba and A.J. Paton | Leaves | *    | $\beta$ -caryophyllene, $\alpha$ -copaene, germacrene | [109] | <p><b>Table 1</b><br/>Chemical composition and yield of essential oils from Lamiaceae species.</p> | <p>Calculated retention indices obtained from a DB-5 column.<br/>Trace amount &lt; 0.05.</p> |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| Species   | Plant part  | Essential oil yield   | Main compounds  | Reference     |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Aeollanthus suaveolens</i> Mart. ex Spreng   | Leaves  | 1.6%  | Massoia lactone, linalool,(E)-B-farnesene, geraniol, 2,5-dimethoxy-p-cymene   | [95]          |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Calamintha nepeta</i> (L.) Kuntze  | Leaves  | *   | Pulegone, menthone, limonene  | [96]          |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Clinopodium macrostemon</i> (Moc. and Sessé ex Benth.) Kuntze  | Leaves  | 0.80%   | linalool, nerol, caryophyllene, menthone, geranyl acetate, terpineol, pulegone  | [97]          |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Hyptis dilatata</i> Benth.   | Leaves  | *   | Fenchone, 3-carene, $\alpha$ -pinene, $\beta$ -caryophyllene, limonene, $\beta$ -pinene, and camphor  | [98]          |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Hyptis martiusii</i> Benth.  | Leaves  | 0.34%   | 1,8-cineole, d-carene, camphor, limonene, germacrene B  | [99]          |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Lavandula dentata</i> L.   | Leaves and stems  | *   | 1,8-cineole, isolimonene, thuj-3-en-10-al, trans-pinocarveol  | [100]         |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Melissa officinalis</i> L.   | Leaves and flowers  | 0.10%   | Citral, caryophyllene oxide, citronellal, geraniol, geranyl acetate, $\beta$ -caryophyllene   | [101]         |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Mentha arvensis</i> L.   | Leaves and flowers  | *   | Citronellal and nerol   | [102]         |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>M. piperita</i> L.   | Leaves and flowers  | *   | Menthone, menthol, pulegone and methyl acetate  | [103]         |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Minthostachys mollis</i> (Benth.) Griseb.  | Leaves  | 0.98%   | Menthone, pulegone, cis-dihydrocarvone, carvacryl acetate, linalyl acetate, and linalool  | [104]         |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Ocimum basilicum</i> L.  | Leaves  | 1.56 ± 0.15%  | linalyl acetate and linalool  | [105]         |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>O. gratissimum</i> L.  | Leaves  | *   | 1,8-Cineole, eugenol, 4-terpineol   | [91]          |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>O. gratissimum</i>   | Leaves and flowers  | *   | Thymol, eugenol, 1,8-cineole, E-caryophyllene, $\beta$ -selinene  | [106]         |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Origanum scabrum</i> Boiss. and Heldr.   | Leaves  | 1.5%  | Carvacrol, thymol, p-cymene,y-terpinene   | [107]         |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>O. vulgare</i> L.  | Leaves  | *   | 4-terpineol, sabinene hydrate, thymol   | [92]          |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Plectranthus amboinicus</i> (Lour.) Spreng.  | Leaves  | 0.009%  | Thymol, $\beta$ -pinene, y-terpinene, caryophyllene   | [108]         |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |
| <i>Plectranthus barbatus</i> var. <i>grandis</i> (L.H. Cramer) Lukhoba and A.J. Paton   | Leaves  | *   | $\beta$ -caryophyllene, $\alpha$ -copaene, germacrene   | [109]         |                                 |                     |                      |           |   |        |                |   |         |                                      |        |     |                              |      |  |        |                   |  |      |                               |                          |     |  |      |                                |        |                 |  |          |                             |                  |      |  |                  |                               |                    |          |   |       |                           |                    |      |                       |       |                       |                    |   |  |                           |  |        |       |  |       |                            |        |              |                              |       |                          |                   |          |                                   |      |                       |                    |       |  |                  |   |        |      |   |       |                      |                     |               |                                       |       |  |        |        |   |       |   |        |      |   |       |  |  |         |                             |      |      |    |                   |      |      |    |                |      |      |                       |              |      |   |    |                 |      |         |      |         |      |      |      |               |                         |      |      |                    |      |      |    |                            |      |      |      |                      |      |   |          |                 |      |      |    |                             |      |                 |  |  |      |   |      |   |               |      |         |      |      |      |   |             |      |      |   |   |      |   |         |      |      |   |   |      |   |            |      |      |   |   |      |   |           |      |      |      |      |      |   |              |      |      |      |   |      |   |        |      |      |      |      |      |   |                |      |      |      |      |   |   |           |      |      |   |   |   |      |                     |      |      |   |   |      |   |                 |      |      |      |   |      |   |                  |      |         |      |      |      |      |                     |      |      |      |   |   |   |                     |      |      |   |      |      |      |   |   |

| URL   | Title   | Table Link  | Table Pic (top)   | Table Header | Table footer |                    |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
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| <a href="https://europepmc.org/article/MED/35449437#free-full-text">https://europepmc.org/article/MED/35449437#free-full-text</a> | Coriander (Coriandrum sativum L.) essential oil and oil-loaded nano-formulations as an anti-aging potentiality via TGF $\beta$ /SMAD pathway. | <a href="https://europepmc.org/articles/PMC9023561/table/Tab1/">https://europepmc.org/articles/PMC9023561/table/Tab1/</a> | <p><b>Table 1</b><br/>Volatile oil constituents identified in the essential oils of fennel, anise, coriander, and cumin fruits were analyzed by GC-MS.</p> <table border="1"> <thead> <tr> <th rowspan="2">Compounds</th> <th rowspan="2">(RI)</th> <th colspan="3">Rel. abundance (%)</th> <th rowspan="2">IM</th> </tr> <tr> <th>Fennel</th> <th>Anise</th> <th>Coriander</th> <th>Cumin</th> </tr> </thead> <tbody> <tr><td><math>\alpha</math>-Pinene</td><td>939</td><td>1.58</td><td>—</td><td><b>4.58</b></td><td>0.72</td><td>RI, MS</td></tr> <tr><td>Camphene</td><td>954</td><td>0.04</td><td>—</td><td>0.48</td><td>—</td><td>RI, MS</td></tr> <tr><td>Sabinene</td><td>954</td><td>0.34</td><td>—</td><td>0.16</td><td>0.8</td><td>RI, MS</td></tr> <tr><td><math>\beta</math>-Pinene</td><td>979</td><td>0.14</td><td>—</td><td>0.39</td><td><b>14.43</b></td><td>RI, MS</td></tr> <tr><td>Myrcene</td><td>990</td><td>0.2</td><td>—</td><td>0.13</td><td>0.53</td><td>RI, MS</td></tr> <tr><td>Carene</td><td>1002</td><td>0.07</td><td>—</td><td>—</td><td>0.07</td><td>RI, MS</td></tr> <tr><td>Cymene</td><td>1024</td><td>0.15</td><td>—</td><td>0.49</td><td><b>4.56</b></td><td>RI, MS</td></tr> <tr><td>Limonene</td><td>1029</td><td><b>12.5</b></td><td>—</td><td>1.05</td><td>—</td><td>RI, MS</td></tr> <tr><td>1,8-Cineole</td><td>1031</td><td>0.18</td><td>—</td><td>—</td><td>0.31</td><td>RI, MS</td></tr> <tr><td>O-Cimene</td><td>1037</td><td>0.37</td><td>—</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td>Terpinene</td><td>1059</td><td>0.19</td><td>—</td><td><b>3.64</b></td><td><b>17.33</b></td><td>RI, MS</td></tr> <tr><td>Camphor</td><td>1146</td><td>0.1</td><td>—</td><td><b>3.61</b></td><td>—</td><td>RI, MS</td></tr> <tr><td>Methyl chavicol</td><td>1196</td><td><b>79.88</b></td><td>—</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td>Fenchyl acetate</td><td>1220</td><td>0.1</td><td>—</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td><math>\alpha</math>-Copaene</td><td>1376</td><td>0.03</td><td>—</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td>Germacrene</td><td>1481</td><td>0.03</td><td>—</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td>Anethole</td><td>1284</td><td>—</td><td><b>91.8</b></td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td>Element</td><td>1338</td><td>—</td><td>0.23</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td><math>\alpha</math>-Himachalene</td><td>1451</td><td>—</td><td>0.43</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td><math>\beta</math>-Himachalene</td><td>1482</td><td>—</td><td><b>5.33</b></td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td><math>\alpha</math>-Longipinene</td><td>1352</td><td>—</td><td>0.04</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td>Cyclosativene</td><td>1371</td><td>—</td><td>0.02</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td><math>\alpha</math>-Ylangene</td><td>1375</td><td>—</td><td>0.07</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td><math>\beta</math>-Elemene</td><td>1390</td><td>—</td><td>0.09</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td><math>\alpha</math>-zingiberene</td><td>1493</td><td>—</td><td>0.75</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td><math>\beta</math>-Himachalene</td><td>1500</td><td>—</td><td>0.31</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td><math>\beta</math>-Bisabolene</td><td>1505</td><td>—</td><td>0.25</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td><math>\beta</math>-Sesquiphellandrene</td><td>1522</td><td>—</td><td>0.06</td><td>—</td><td>—</td><td>RI, MS</td></tr> <tr><td><math>\alpha</math>-Thujene</td><td>930</td><td>0.02</td><td>—</td><td>0.03</td><td>0.22</td><td>RI, MS</td></tr> <tr><td>Terpinolene</td><td>1088</td><td>—</td><td>—</td><td>0.13</td><td>—</td><td>RI, MS</td></tr> <tr><td>Linalool</td><td>1096</td><td>—</td><td>—</td><td><b>81.29</b></td><td>—</td><td>RI, MS</td></tr> <tr><td>Citronellal</td><td>1153</td><td>—</td><td>—</td><td>0.14</td><td>—</td><td>RI, MS</td></tr> </tbody> </table> <p>Significant values are in bold.</p> | Compounds    | (RI)         | Rel. abundance (%) |  |  | IM | Fennel | Anise | Coriander | Cumin | $\alpha$ -Pinene | 939 | 1.58 | — | <b>4.58</b> | 0.72 | RI, MS | Camphene | 954 | 0.04 | — | 0.48 | — | RI, MS | Sabinene | 954 | 0.34 | — | 0.16 | 0.8 | RI, MS | $\beta$ -Pinene | 979 | 0.14 | — | 0.39 | <b>14.43</b> | RI, MS | Myrcene | 990 | 0.2 | — | 0.13 | 0.53 | RI, MS | Carene | 1002 | 0.07 | — | — | 0.07 | RI, MS | Cymene | 1024 | 0.15 | — | 0.49 | <b>4.56</b> | RI, MS | Limonene | 1029 | <b>12.5</b> | — | 1.05 | — | RI, MS | 1,8-Cineole | 1031 | 0.18 | — | — | 0.31 | RI, MS | O-Cimene | 1037 | 0.37 | — | — | — | RI, MS | Terpinene | 1059 | 0.19 | — | <b>3.64</b> | <b>17.33</b> | RI, MS | Camphor | 1146 | 0.1 | — | <b>3.61</b> | — | RI, MS | Methyl chavicol | 1196 | <b>79.88</b> | — | — | — | RI, MS | Fenchyl acetate | 1220 | 0.1 | — | — | — | RI, MS | $\alpha$ -Copaene | 1376 | 0.03 | — | — | — | RI, MS | Germacrene | 1481 | 0.03 | — | — | — | RI, MS | Anethole | 1284 | — | <b>91.8</b> | — | — | RI, MS | Element | 1338 | — | 0.23 | — | — | RI, MS | $\alpha$ -Himachalene | 1451 | — | 0.43 | — | — | RI, MS | $\beta$ -Himachalene | 1482 | — | <b>5.33</b> | — | — | RI, MS | $\alpha$ -Longipinene | 1352 | — | 0.04 | — | — | RI, MS | Cyclosativene | 1371 | — | 0.02 | — | — | RI, MS | $\alpha$ -Ylangene | 1375 | — | 0.07 | — | — | RI, MS | $\beta$ -Elemene | 1390 | — | 0.09 | — | — | RI, MS | $\alpha$ -zingiberene | 1493 | — | 0.75 | — | — | RI, MS | $\beta$ -Himachalene | 1500 | — | 0.31 | — | — | RI, MS | $\beta$ -Bisabolene | 1505 | — | 0.25 | — | — | RI, MS | $\beta$ -Sesquiphellandrene | 1522 | — | 0.06 | — | — | RI, MS | $\alpha$ -Thujene | 930 | 0.02 | — | 0.03 | 0.22 | RI, MS | Terpinolene | 1088 | — | — | 0.13 | — | RI, MS | Linalool | 1096 | — | — | <b>81.29</b> | — | RI, MS | Citronellal | 1153 | — | — | 0.14 | — | RI, MS | <p><b>Table 1</b><br/>Volatile oil constituents identified in the essential oils of fennel, anise, coriander, and cumin fruits were analyzed by GC-MS.</p> | Significant values are in bold. |
| Compounds   | (RI)  | Rel. abundance (%)  |   |              |              | IM                 |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
|   |   | Fennel  | Anise   | Coriander    | Cumin        |                    |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\alpha$ -Pinene  | 939   | 1.58  | —   | <b>4.58</b>  | 0.72         | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Camphene  | 954   | 0.04  | —   | 0.48         | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Sabinene  | 954   | 0.34  | —   | 0.16         | 0.8          | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\beta$ -Pinene   | 979   | 0.14  | —   | 0.39         | <b>14.43</b> | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Myrcene   | 990   | 0.2   | —   | 0.13         | 0.53         | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Carene  | 1002  | 0.07  | —   | —            | 0.07         | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Cymene  | 1024  | 0.15  | —   | 0.49         | <b>4.56</b>  | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Limonene  | 1029  | <b>12.5</b>   | —   | 1.05         | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| 1,8-Cineole   | 1031  | 0.18  | —   | —            | 0.31         | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| O-Cimene  | 1037  | 0.37  | —   | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Terpinene   | 1059  | 0.19  | —   | <b>3.64</b>  | <b>17.33</b> | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Camphor   | 1146  | 0.1   | —   | <b>3.61</b>  | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Methyl chavicol   | 1196  | <b>79.88</b>  | —   | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Fenchyl acetate   | 1220  | 0.1   | —   | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\alpha$ -Copaene   | 1376  | 0.03  | —   | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Germacrene  | 1481  | 0.03  | —   | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Anethole  | 1284  | —   | <b>91.8</b>   | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Element   | 1338  | —   | 0.23  | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\alpha$ -Himachalene   | 1451  | —   | 0.43  | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\beta$ -Himachalene  | 1482  | —   | <b>5.33</b>   | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\alpha$ -Longipinene   | 1352  | —   | 0.04  | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Cyclosativene   | 1371  | —   | 0.02  | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\alpha$ -Ylangene  | 1375  | —   | 0.07  | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\beta$ -Elemene  | 1390  | —   | 0.09  | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\alpha$ -zingiberene   | 1493  | —   | 0.75  | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\beta$ -Himachalene  | 1500  | —   | 0.31  | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\beta$ -Bisabolene   | 1505  | —   | 0.25  | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\beta$ -Sesquiphellandrene   | 1522  | —   | 0.06  | —            | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| $\alpha$ -Thujene   | 930   | 0.02  | —   | 0.03         | 0.22         | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Terpinolene   | 1088  | —   | —   | 0.13         | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Linalool  | 1096  | —   | —   | <b>81.29</b> | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |
| Citronellal   | 1153  | —   | —   | 0.14         | —            | RI, MS             |  |  |    |        |       |           |       |                  |     |      |   |             |      |        |          |     |      |   |      |   |        |          |     |      |   |      |     |        |                 |     |      |   |      |              |        |         |     |     |   |      |      |        |        |      |      |   |   |      |        |        |      |      |   |      |             |        |          |      |             |   |      |   |        |             |      |      |   |   |      |        |          |      |      |   |   |   |        |           |      |      |   |             |              |        |         |      |     |   |             |   |        |                 |      |              |   |   |   |        |                 |      |     |   |   |   |        |                   |      |      |   |   |   |        |            |      |      |   |   |   |        |          |      |   |             |   |   |        |         |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |             |   |   |        |                       |      |   |      |   |   |        |               |      |   |      |   |   |        |                    |      |   |      |   |   |        |                  |      |   |      |   |   |        |                       |      |   |      |   |   |        |                      |      |   |      |   |   |        |                     |      |   |      |   |   |        |                             |      |   |      |   |   |        |                   |     |      |   |      |      |        |             |      |   |   |      |   |        |          |      |   |   |              |   |        |             |      |   |   |      |   |        |  |                                 |