|  |  |  |  |
| --- | --- | --- | --- |
| **SERIAL NO.** | **PLANT NAME** | **CHEMICAL NAME** | **PUBCHEM CID** |
| 01 | *Piper nigrum* Linn. | α-phellandrene1 | 7460 |
| Camphene1 | 6616 |
| Sabinene1 | 18818 |
| β-pinene1 | 14896 |
| α-pinene1 | 6654 |
| 3-Carene1 | 26049 |
| Trifluoromethanesulfenyl fluoride1 | 550355 |
| (+)-Camphene1 | 92221 |
| Limonene1 | 22311 |
| β-phellandrene1 | 11142 |
| Gamma-terpinene1 | 7461 |
| Terpinolene1 | 11463 |
| Linalol1 | 6549 |
| 4-terpineol1 | 11230 |
| Delta-Elemene1 | 12309449 |
| Copaene1 | 12303902 |
| β-Elemene1 | 6918391 |
| α-Bergamotene1 | 86608 |
| Caryophyllene1 | 5281515 |
| α-Curcumene1 | 92139 |
| Cedrene1 | 521207 |
| β-Bisabolene1 | 10104370 |
| (+)-delta-Cadinene1 | 441005 |
| Caryophyllene oxide1 | 1742210 |
| Spathulenol1 | 92231 |
| α-Bisabolol1 | 1549992 |
| 2-Undecanone1 | 8163 |
| Lauric acid2 | 3893 |
| Myristic acid2 | 11005 |
| Palmitoleic acid2 | 445638 |
| Palmitic acid2 | 985 |
| Oleic acid2 | 445639 |
| Stearic acid2 | 5281 |
| Lignoceric acid2 | 11197 |
| Cyclohexene, 4-ethenyl-4-methyl-3-(1-methylethenyl)-1-(1-methylethyl)-, (3R-trans)-3 | 89316 |
| alpha-Copaene3 | 70678558 |
| 2-Methylene-4,8,8-trimethyl-4-vinyl-bicyclo[5.2.0]nonane3 | 564746 |
| 1,4,7,-Cycloundecatriene, 1,5,9,9-tetramethyl-, Z,Z,Z-3 | 5368784 |
| 1-Piperidinecarboxaldehyde3 | 17429 |
| Ethyl 6,9,12-hexadecatrienoate3 | 91697553 |
| 1,3,3-trimethyl-2-Oxabicyclo[2.2.2]octan-6-ol3 | 529885 |
| Hexadecanoic acid, methyl ester3 | 8181 |
| Piperonal3 | 8438 |
| 1H-Cycloprop[e]azulen-7-ol, decahydro-1,1,7-trimethyl-4-  methylene-, [1ar-(1a.alpha.,4a.alpha.,7.beta.,7a.beta.,7b.alpha.)]-3 | 6432640 |
| Tricyclo[5.2.2.0(1,6)]undecan-3-ol, 2-methylene-6,8,8-trimethyl-3 | 535346 |
| (+-)-1-Isopropylcyclopropane-trans-1,cis-2-dicarboxylic acid3 | 567821 |
| Octadecanoic acid, ethyl ester3 | 8122 |
| Ethyl oleate3 | 5363269 |
| Ethyl 9.cis.,11.trans.-octadecadienoate3 | 9963693 |
| Vanillin lactoside3 | 592475 |
| n-Tetracosanol-13 | 10472 |
| Ethyl 9,12,15-octadecatrienoate3 | 5367460 |
| Phytol3 | 5280435 |
| 1H-Cycloprop[e]azulen-7-ol, decahydro-1,1,7-trimethyl-4-methylene-, [1ar-(1a.alpha.,4a.alpha.,7.beta.,7a.beta.,7b.alpha.)]-3 | 6432640 |
| n-Hexadecanoic acid3 | 985 |
| Naphthalene, decahydro-2,2-dimethyl3 | 591982 |
| (8R,Z)-8-Methyl-6-((R)-2-methylpentylidene)octahydroindolizine3 | 91721008 |
| 2-Ethyl-5-undecyl-.delta.1--pyrroline3 | 566328 |
| 6-Octadecenoic acid3 | 5282754 |
| 9,12-Octadecadienoic acid (Z,Z)-3 | 5280450 |
| (3S,5R,7aS)-3-(But-3-en-1-yl)-5-(hex-5-en-1-yl)hexahydro-1H-pyrrolizine3 | 91724130 |
| Piperidine, 1-(1-oxo-3-phenyl-2-propenyl)-3 | 223147 |
| 2-Cyclohexen-3-ol-1-one, 2-[1-iminotetradecyl]-3 | 135703373 |
| Isonipecotic acid, N-acryloyl-, undecyl ester3 | 91740764 |
| 4-Hexadecenoic acid, pyrrolidide3 | 91705225 |
| cis-13-Octadecenoic acid, 4,4-dimethyloxazoline derivative3 | 91705087 |
| trans-2-Octadecenoic acid3 | 5282750 |
| 13-Eicosenoic acid, pyrrolidide3 | 91705100 |
| 4,5,6,7-Tetrahydrobenz[z]isoxazole-5-ol-4-one, 3-[9-tridecenyl]-3 | 5364480 |
| 10,13-Octadecadienoic acid3 | 54284936 |
| Pipercallosine4 | 5372201 |
| Tricholein4 | 21580214 |
| Trichostachine4 | 636537 |
| Piperine4 | 638024 |
| 3’ ,4’ -methylenedioxycinnamaldehyde4 | 84630 |
| Retrofractamide A4 | 11012859 |
| Retrofractamide D4 | 131751424 |
| Bicyclo[7.2.0]undec -4-ene,4,11,11 -trimethyl -8-methylene -,[1R-(4E,9S)]4 | 6887 |
| Octadecanoic acid4 | 5281 |
| p-Cymene5 | 7463 |
| α-Copaene5 | 19725 |
| α-Cubebene5 | 86609 |
| α-Humulene5 | 5281520 |
| β-Caryophyllene5 | 5281515 |
| β-Myrcene5 | 31253 |
| δ-3-Carene5 | 26049 |
| δ-Elemene5 | 12309449 |
| (E)-Nerolidol5 | 5284507 |
| 6-Hydroxypiperitol5 | 10317157 |
| ar-Turmerone5 | 160512 |
| Caryophyllenol5 | 61125 |
| Eugenol5 | 3314 |
| Humulene epoxide II5 | 10704181 |
| Isocaryophyllene oxide5 | 1742211 |
| Isospathulenol5 | 14038848 |
| Myrtenol5 | 10582 |
| p-Cymen-8-ol5 | 14529 |
| Piperitenone oxide5 | 61942 |
| trans-Sabinol5 | 6429076 |
| Verbenone5 | 29025 |
| α-Selinene5 | 10856614 |
| α-Terpinene5 | 7462 |
| β-Eudesmol5 | 91457 |
| β-Selinene5 | 442393 |
| Caryophylla-4(12),8(13)-dien-5β-ol5 | 91753606 |
| γ-Selinene5 | 521334 |
| Guaiol6 | 227829 |
| Piperanine6 | 5320618 |
| Piperolein A6 | 11141599 |
| Piperolein B6 | 21580213 |
| Piperyline6 | 636537 |
| Pellitorine6 | 5318516 |
| Hexadecanoylpyrrolidine6 | 247220 |
| 02 | *Plumbago zeylanica* Linn. | Trans-cinnamic acid7 | 444539 |
| Isoshinanolone7 | 443777 |
| Indole-3-carboxaldehyde7 | 10256 |
| Vanillic acid7 | 8468 |
| Napthoquinone7 | 8530 |
| Plumbagin7 | 10205 |
| Chloroplumbagin7 | 338719 |
| Maritinone7 | 633024 |
| Elliptinone7 | 146680 |
| Isoshinanolone7 | 443777 |
| Lapachol7 | 3884 |
| Seselin7 | 68229 |
| Suberosin7 | 68486 |
| Zeylanone7 | 5276618 |
| Sitosterol7 | 222284 |
| Isozeylanone7 | 100947536 |
| Glucopyranoside7 | 5793 |
| n-hexadecanoic acid8 | 985 |
| Naphtho(2,3-b)furan-2 (3H)-one8 | 85823872 |
| Oleic Acid8 | 445639 |
| Binaphthoquinone9 | 628770 |
| 3,3′-Biplumbagin9 | 183757 |
| 1-Naphthol9 | 7005 |
| 3- chloroplumbagin9 | 338719 |
| Droserone9 | 442739 |
| Plumbagic acid9 | 92468470 |
| Plumbazeylanone9 | 100947539 |
| Hentriacontane9 | 12410 |
| Campesterol10 | 173183 |
| Stigmasterol10 | 5280794 |
| 2,5-dimethyl-7 hydroxy chromone10 | 5316891 |
| 4-hydroxybenzaldehyde10 | 126 |

REFERENCE

1. Morshed, S., Hossain, M. D., Ahmad, M. & Junayed, M. Physicochemical characteristics of essential oil of black pepper (Piper nigrum) cultivated in Chittagong, Bangladesh. *J. Food Qual. Hazards Control* **4**, 66–69 (2017).

2. Hossain, M. D. *et al.* Studies on Fatty Acids Composition and Some Valuable Nutrients of Piper nigrum Linn. (Gol Morich). *Dhaka Univ. J. Sci.* **62**, 65–68 (2015).

3. Chen, W., Zou, L., Chen, W., Hu, Y. & Chen, H. Effects of Black Pepper (Piper nigrum L.) Chloroform Extract on the Enzymatic Activity and Metabolism of Escherichia coli and Staphylococcus aureus. *J. Food Qual.* **2018**, (2018).

4. Siddiqui, B. S., Gulzar, T., Begum, S., Afshan, F. & Sattar, F. A. Insecticidal amides from fruits of Piper nigrum Linn. *Nat. Prod. Res.* **19**, 143–150 (2005).

5. Salehi, B. *et al.* *Piper species: A comprehensive review on their phytochemistry, biological activities and applications*. *Molecules* vol. 24 (2019).

6. Takooree, H. *et al.* A systematic review on black pepper (Piper nigrum L.): from folk uses to pharmacological applications. *Crit. Rev. Food Sci. Nutr.* **59**, S210–S243 (2019).

7. Tyagi, R. & Menghani, E. A Review on Plumabgo zeylanica : A Compelling Herb. *Int. J. Pharma Sicences Res.* **5**, 119–126 (2014).

8. Rajakrishnan, R. *et al.* Phytochemical evaluation of roots of Plumbago zeylanica L. and assessment of its potential as a nephroprotective agent. *Saudi J. Biol. Sci.* **24**, 760–766 (2017).

9. Mandavkar, Y. D. & Jalalpure, S. S. A comprehensive review on Plumbago zeylanica linn. *African J. Pharm. Pharmacol.* **5**, 2738–2747 (2011).

10. Pant, M., Lal, A., Rana, S. & Rani, A. Plumbago Zeylanica L.: a Mini Review. *Int. J. Pharm. Appl.* **3**, 399–405 (2012).