





|    | classyfire.superclass                                       | n   |
|----|---|-----|
| 1  | Alkaloids and derivatives (CHEMONTID:0000279)               | 1   |
| 2  | Benzenoids (CHEMONTID:0002448)                              | 39  |
| 3  | Lipids and lipid-like molecules (CHEMONTID:0000012)         | 58  |
| 4  | Nucleosides, nucleotides, and analogues (CHEMONTID:0000289) | 54  |
| 5  | Organic acids and derivatives (CHEMONTID:0000264)           | 127 |
| 6  | Organic nitrogen compounds (CHEMONTID:0004707)              | 4   |
| 7  | Organic oxygen compounds (CHEMONTID:0004603)                | 74  |
| 8  | Organoheterocyclic compounds (CHEMONTID:0000002)            | 71  |
| 9  | Phenylpropanoids and polyketides (CHEMONTID:0000261)        | 6   |
| 10 | NA  | 1   |

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| 7  | Carboxylic acids and derivatives (CHEMONTID:0000265)              | 101 |
| 8  | Cinnamic acids and derivatives (CHEMONTID:0000476)                | 4   |
| 9  | Diazines (CHEMONTID:0001346)                                      | 7   |
| 10 | Dihydrofurans (CHEMONTID:0001983)                                 | 1   |
| 11 | Dithiolanes (CHEMONTID:0000484)                                   | 1   |
| 12 | Fatty Acyls (CHEMONTID:0003909)                                   | 38  |
| 13 | Flavin nucleotides (CHEMONTID:0001329)                            | 1   |
| 14 | Glycerolipids (CHEMONTID:0000175)                                 | 2   |
| 15 | Glycerophospholipids (CHEMONTID:0000256)                          | 2   |
| 16 | Hydroxy acids and derivatives (CHEMONTID:0000472)                 | 8   |
| 17 | Imidazole ribonucleosides and ribonucleotides (CHEMONTID:0001997) | 1   |
| 18 | Imidazopyrimidines (CHEMONTID:0001797)                            | 12  |
| 19 | Indoles and derivatives (CHEMONTID:0000211)                       | 16  |
| 20 | Keto acids and derivatives (CHEMONTID:0000389)                    | 7   |
| 21 | Lactones (CHEMONTID:0000050)                                      | 4   |
| 22 | Naphthalenes (CHEMONTID:0000023)                                  | 1   |
| 23 | Organic carbonic acids and derivatives (CHEMONTID:0000364)        | 1   |
| 24 | Organic oxoanionic compounds (CHEMONTID:0000463)                  | 1   |
| 25 | Organic phosphonic acids and derivatives (CHEMONTID:0000419)      | 2   |
| 26 | Organic phosphoric acids and derivatives (CHEMONTID:0000402)      | 4   |
| 27 | Organic sulfonic acids and derivatives (CHEMONTID:0004434)        | 1   |
| 28 | Organic sulfuric acids and derivatives (CHEMONTID:0000403)        | 1   |
| 29 | Organonitrogen compounds (CHEMONTID:0000278)                      | 4   |
| 30 | Organooxygen compounds (CHEMONTID:0000323)                        | 73  |
| 31 | Peptidomimetics (CHEMONTID:0001813)                               | 2   |