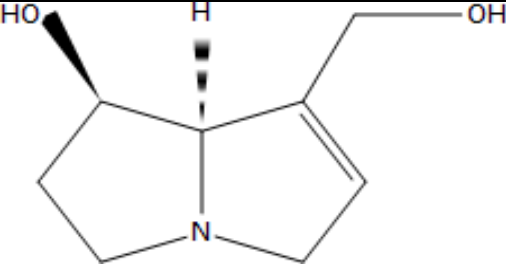
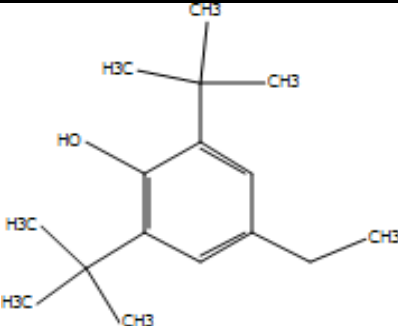
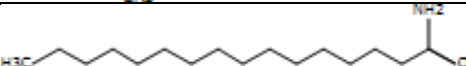
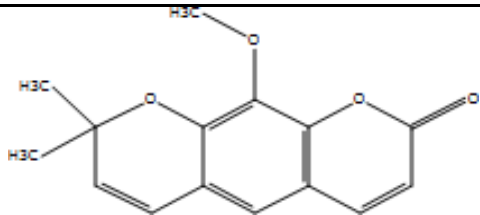
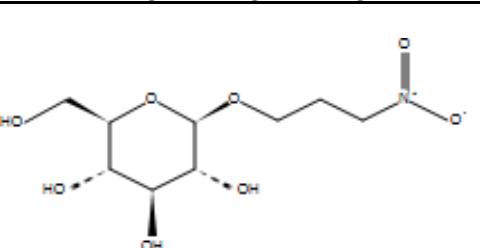
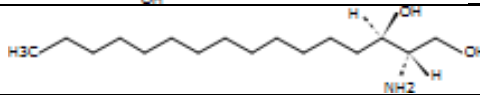
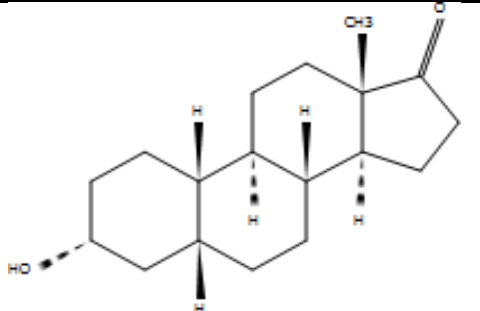
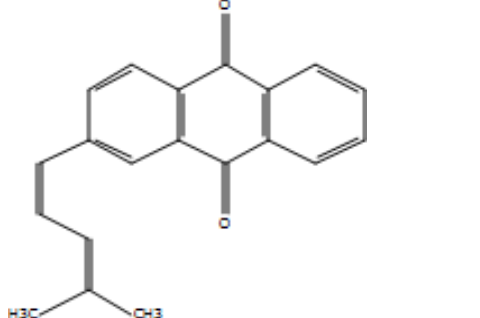
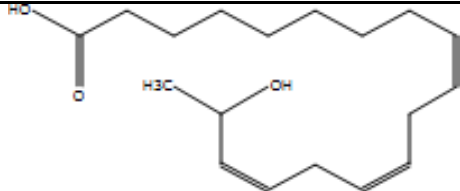
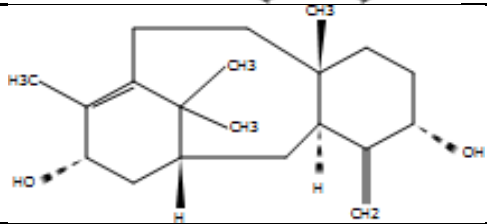
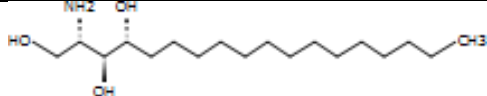
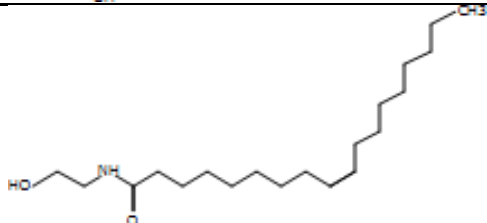
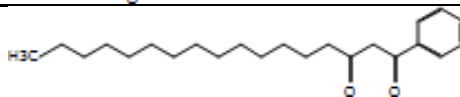
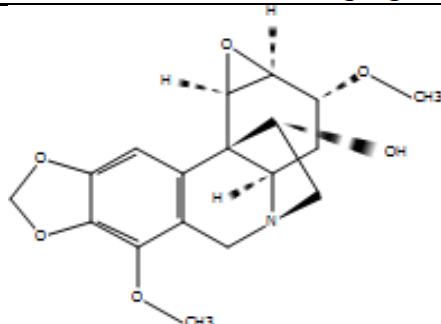


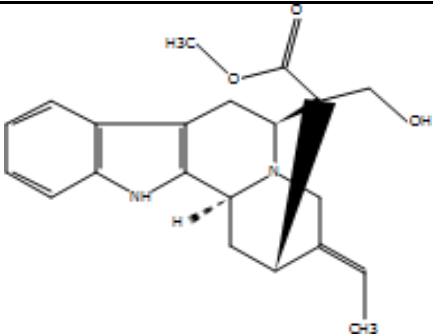
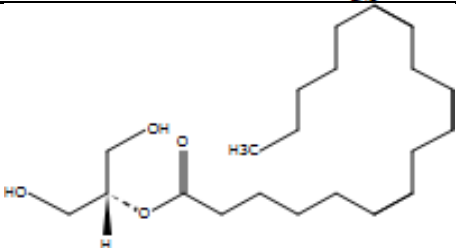
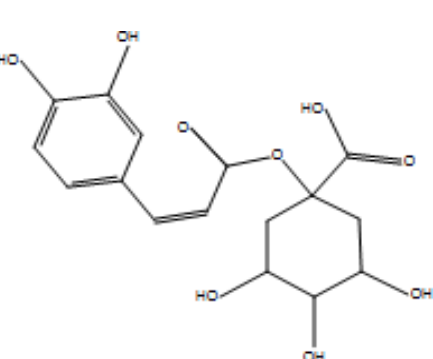
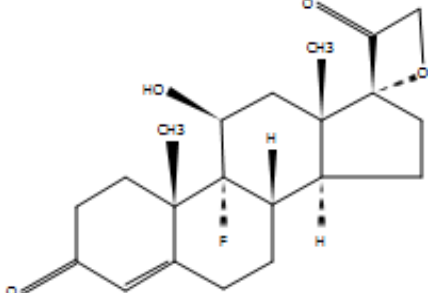
## Supplementary tables

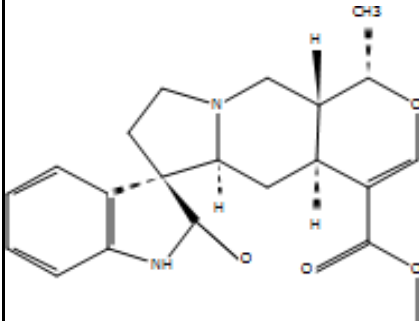
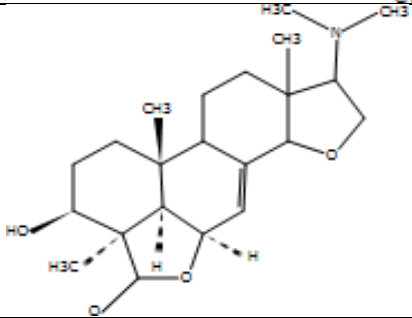
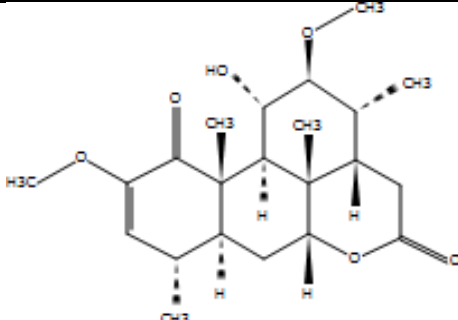
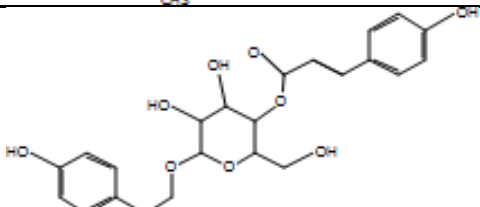
**Table 1.** Structure of the Identified Compounds Molecular Formula and Weight of *A. sessilis* in ethanolic extract in positive wavelength.

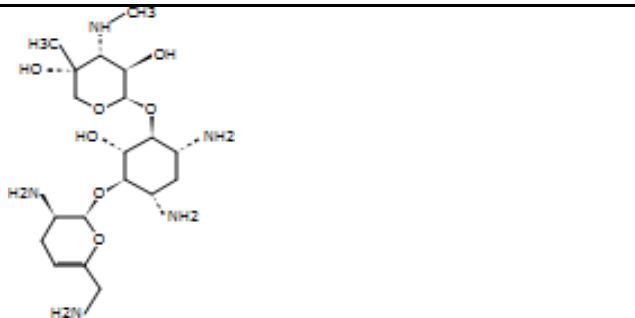
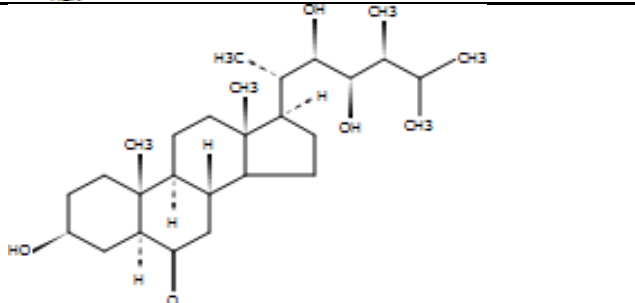
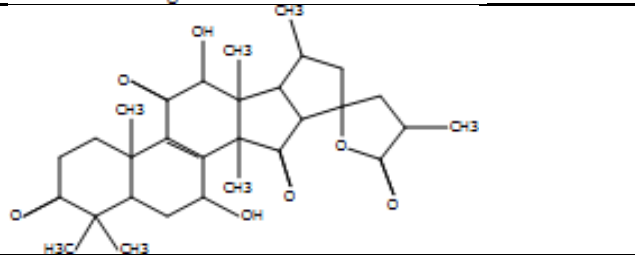
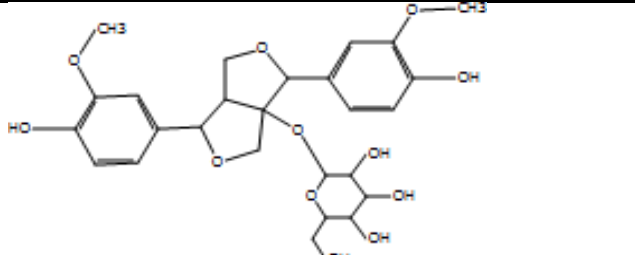
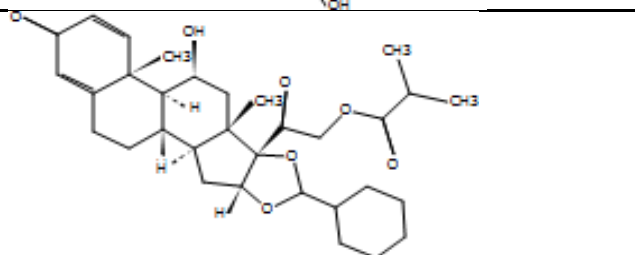
| Identified compounds            | Molecular Mass | Molecular Formula                               | Structure of the compounds                                                            |
|---------------------------------|----------------|-------------------------------------------------|---------------------------------------------------------------------------------------|
| Retronecine                     | 155.0944       | C <sub>8</sub> H <sub>13</sub> N O <sub>2</sub> |    |
| Hexyl 2-furoate                 | 196.1095       | C <sub>11</sub> H <sub>16</sub> O <sub>3</sub>  |   |
| 2,6-Di-tert-butyl-4-ethylphenol | 234.1995       | C <sub>16</sub> H <sub>26</sub> O               |  |
| Palmitic amide                  | 255.2554       | C <sub>16</sub> H <sub>33</sub> N O             |  |

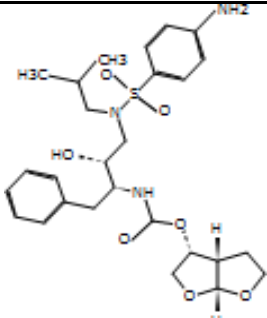
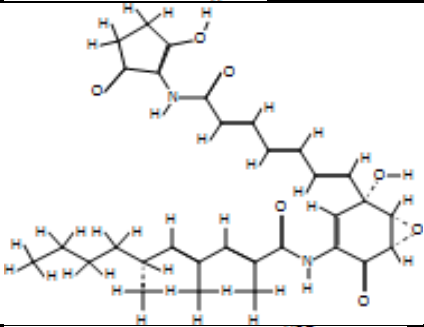
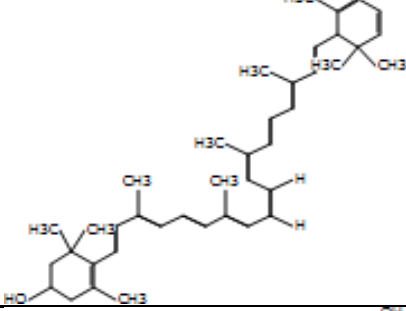
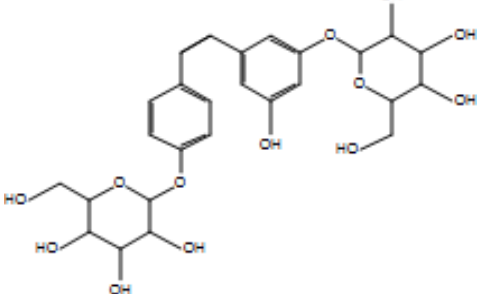
|                                             |          |                                                  |                                                                                       |
|---------------------------------------------|----------|--------------------------------------------------|---------------------------------------------------------------------------------------|
| Luvangetin                                  | 258.0885 | C <sub>15</sub> H <sub>14</sub> O <sub>4</sub>   |    |
| Miserotoxin                                 | 267.0954 | C <sub>9</sub> H <sub>17</sub> N O <sub>8</sub>  |    |
| C16 Sphinganine                             | 273.266  | C <sub>16</sub> H <sub>35</sub> N O <sub>2</sub> |    |
| 19-Noretiocholanolone                       | 276.2082 | C <sub>18</sub> H <sub>28</sub> O <sub>2</sub>   |    |
| 9Z-Octadecen-12-ynoic acid                  | 278.2235 | C <sub>18</sub> H <sub>30</sub> O <sub>2</sub>   |   |
| 2-(4-Methyl-1,3- pentadienyl) anthraquinone | 288.1174 | C <sub>20</sub> H <sub>16</sub> O <sub>2</sub>   |  |

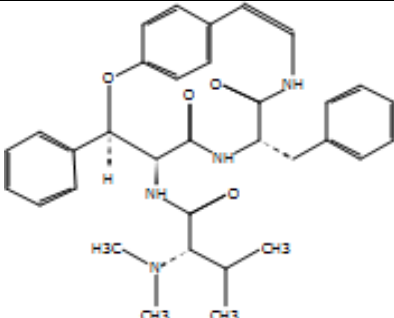
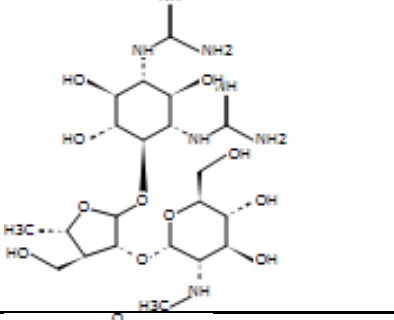
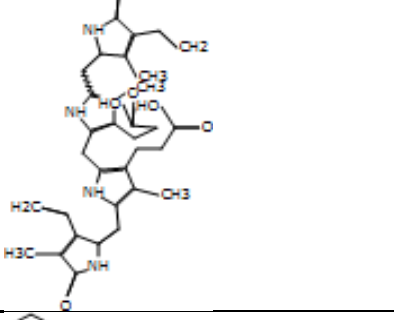
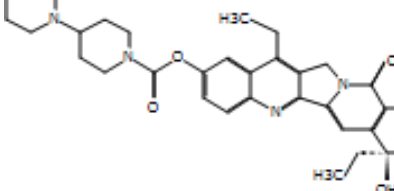
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|-------------------------------------------------------|----------|--------------------|--------------------------------------------------------------------------------------|
| 17-Hydroxylinolenic acid                              | 294.2185 | $C_{18}H_{30}O_3$  |   |
| Taxa-4(20),11(12)-dien- 5 $\alpha$ ,13 $\alpha$ -diol | 304.239  | $C_{20}H_{32}O_2$  |   |
| Phytosphingosine                                      | 317.2917 | $C_{18}H_{39}NO_3$ |   |
| Oleoyl Ethanolamide                                   | 325.2967 | $C_{20}H_{39}NO_2$ |   |
| 1-Phenyl-1,3-heptadecanedione                         | 344.2719 | $C_{23}H_{36}O_2$  |   |
| Cavinine                                              | 347.1374 | $C_{18}H_{21}NO_6$ |  |

|                                                           |          |                      |                                                                                       |
|-----------------------------------------------------------|----------|----------------------|---------------------------------------------------------------------------------------|
| Akuammidine                                               | 352.1779 | $C_{21}H_{24}N_2O_3$ |    |
| MG (0:0/18:3(6Z,9Z,12Z)/0:0)                              | 352.2601 | $C_{21}H_{36}O_4$    |    |
| 1-O-Caffeoylquinic acid                                   | 354.094  | $C_{16}H_{18}O_9$    |   |
| 17,21-Epoxy-9-fluoro-11beta-hydroxypregn-4-ene-3,20-dione | 362.1856 | $C_{21}H_{27}FO_4$   |  |

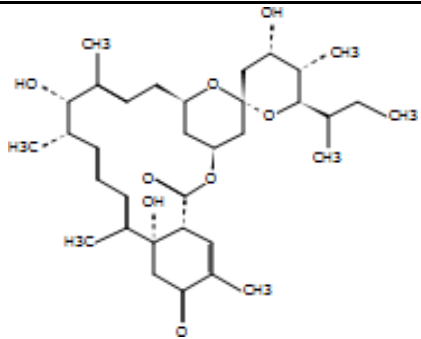
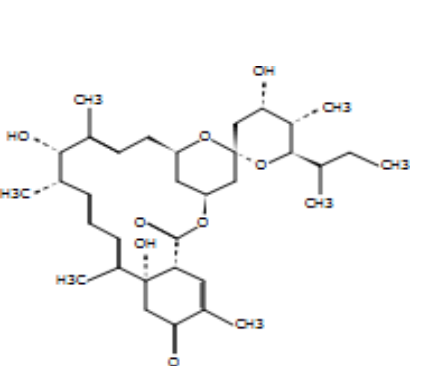
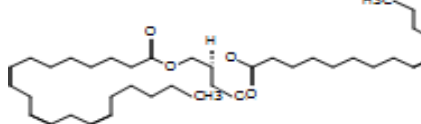
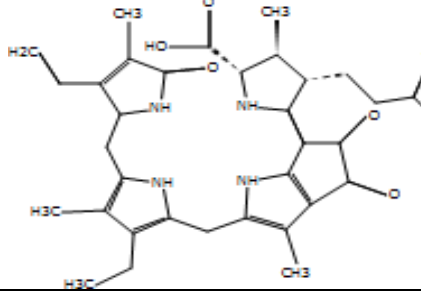
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|-----------------|----------|----------------------|---------------------------------------------------------------------------------------|
| Mitraphylline   | 368.1722 | $C_{21}H_{24}N_2O_4$ |    |
| Icaceine        | 375.2413 | $C_{22}H_{33}NO_4$   |    |
| Nigakilactone B | 392.2203 | $C_{22}H_{32}O_6$    |   |
| Osmanthuside A  | 446.1579 | $C_{23}H_{26}O_9$    |  |

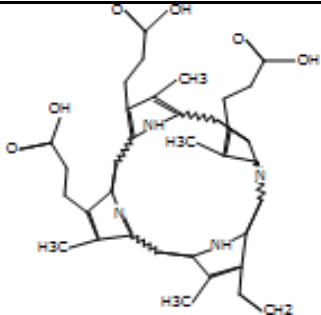
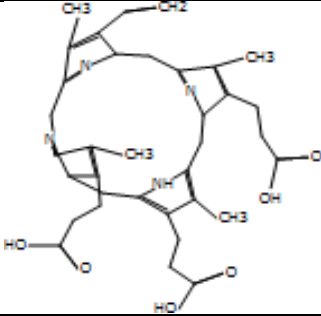
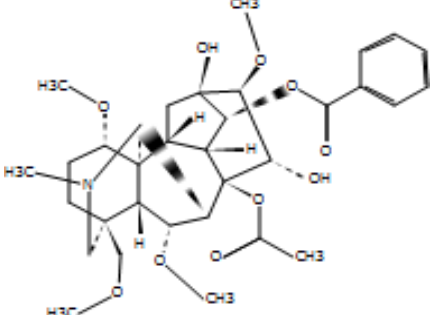
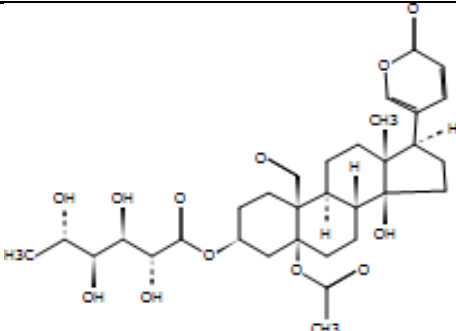
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|----------------------------------|----------|----------------------|---------------------------------------------------------------------------------------|
| Sisomicin                        | 447.2682 | $C_{19}H_{37}N_5O_7$ |    |
| Teasterone                       | 448.3556 | $C_{28}H_{48}O_4$    |    |
| Ganosporelactone A               | 512.2781 | $C_{30}H_{40}O_7$    |   |
| 8-Hydroxypinoresinol 8-glucoside | 536.187  | $C_{26}H_{32}O_{12}$ |  |
| Ciclesonide                      | 540.3101 | $C_{32}H_{44}O_7$    |  |

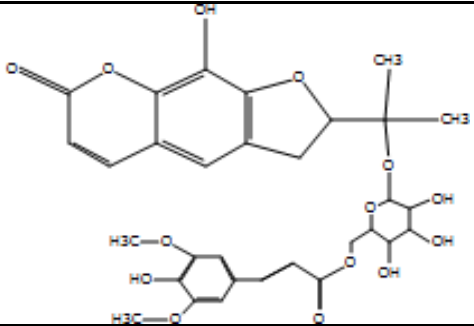
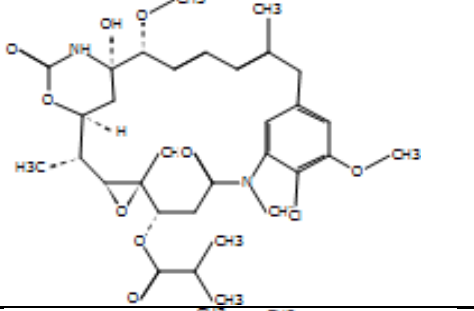
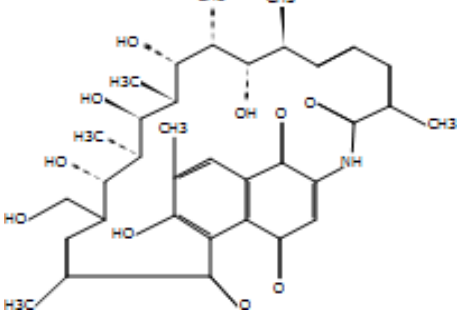
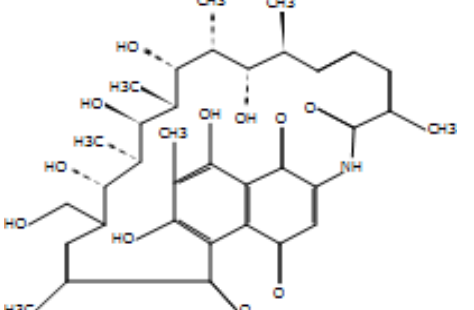
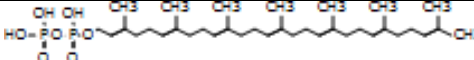
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|----------------------------------|----------|-----------------------|---------------------------------------------------------------------------------------|
| Darunavir                        | 547.2269 | $C_{27}H_{37}N_3O_7S$ |    |
| Manumycin A                      | 550.2602 | $C_{31}H_{38}N_2O_7$  |    |
| 3-cis-Hydroxy-b,e-Caroten-3'-one | 550.4144 | $C_{40}H_{54}O$       |   |
| (Z)-Resveratrol 3,4'-diglucoside | 552.182  | $C_{26}H_{32}O_{13}$  |  |

|                          |          |                         |                                                                                       |
|--------------------------|----------|-------------------------|---------------------------------------------------------------------------------------|
| Integerressine           | 554.2891 | $C_{33}H_{38}N_4O_4$    |    |
| Dihydrodeoxystreptomycin | 567.2867 | $C_{21}H_{41}N_7O_{11}$ |    |
| 4Z,15E-Bilirubin IXa     | 584.2632 | $C_{33}H_{36}N_4O_6$    |   |
| Euphornin                | 584.2982 | $C_{33}H_{44}O_9$       |  |

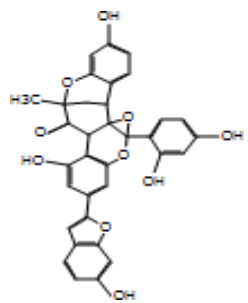
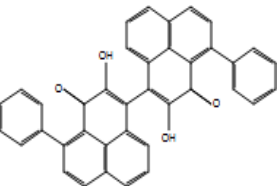
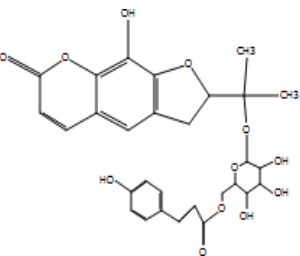
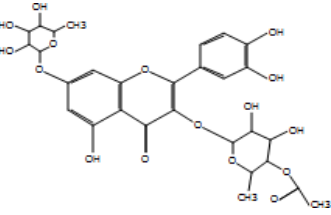


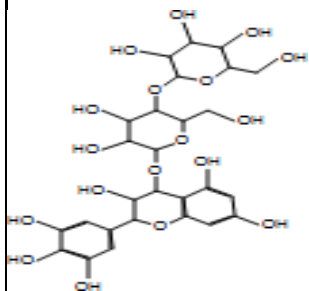
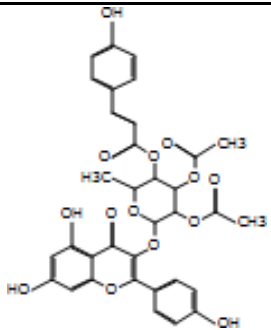
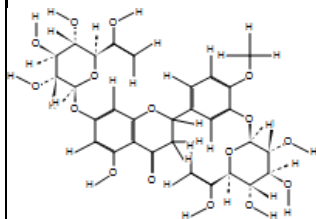
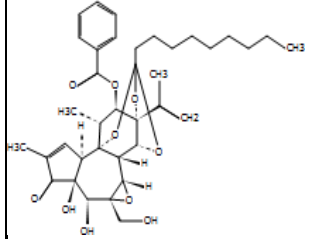
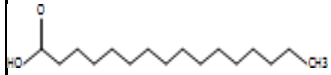
|                                                     |          |                      |                                                                                      |
|-----------------------------------------------------|----------|----------------------|--------------------------------------------------------------------------------------|
| Irinotecan                                          | 586.2791 | $C_{33}H_{38}N_4O_6$ |   |
| 6,8a-Seco-6,8a-deoxy-5- oxoavermectin "2a" aglycone | 586.3483 | $C_{34}H_{50}O_8$    |   |
| DG(20:3(8Z,11Z,14Z)/14:1(9Z)/0:0)                   | 588.4743 | $C_{37}H_{64}O_5$    |   |
| Oxidized dinoflagellate luciferin                   | 602.2736 | $C_{33}H_{38}N_4O_7$ |  |

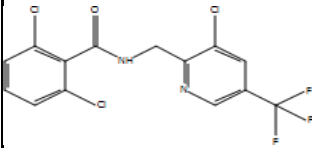
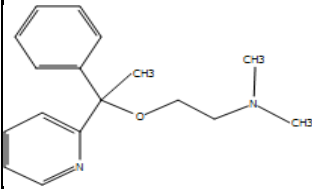
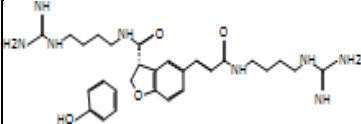
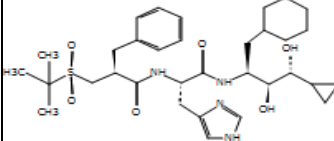
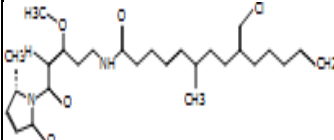
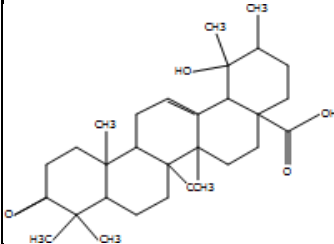
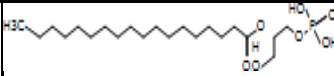
|                      |          |                       |                                                                                       |
|----------------------|----------|-----------------------|---------------------------------------------------------------------------------------|
| Harderoporphyrin     | 608.2632 | $C_{35}H_{36}N_4O_6$  |    |
| Harderoporphyrinogen | 614.3101 | $C_{35}H_{42}N_4O_6$  |    |
| Hypaconitine         | 614.3112 | $C_{33}H_{45}NO_{10}$ |   |
| Lanceotoxin A        | 620.2972 | $C_{32}H_{44}O_{12}$  |  |

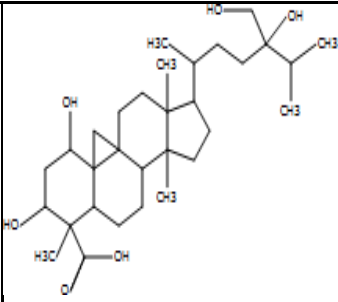
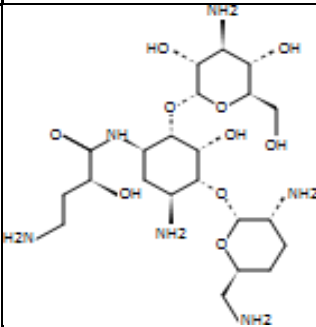
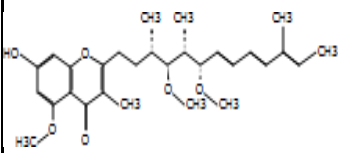
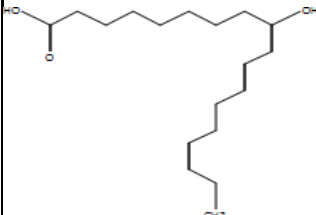
|                                          |          |                        |                                                                                       |
|------------------------------------------|----------|------------------------|---------------------------------------------------------------------------------------|
| (R)-Rutaretin 1'-(6''-sinapoylglucoside) | 630.1924 | $C_{31}H_{34}O_{14}$   |    |
| Ansamitocin P3                           | 634.2797 | $C_{32}H_{43}ClN_2O_9$ |    |
| Protorifamycin I                         | 639.3107 | $C_{35}H_{45}NO_{10}$  |   |
| Rifamycin W                              | 654.302  | $C_{35}H_{45}NO_{11}$  |  |
| all-trans-heptaprenyldiphosphate         | 654.379  | $C_{35}H_{60}O_7P_2$   |  |

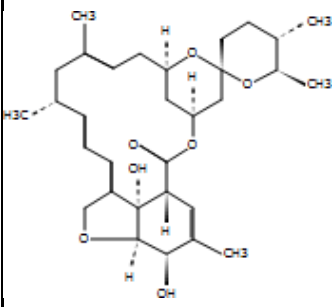
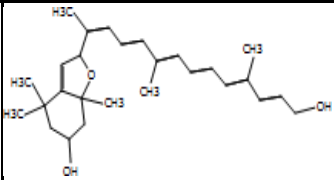
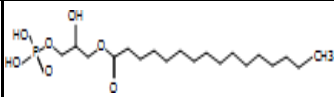
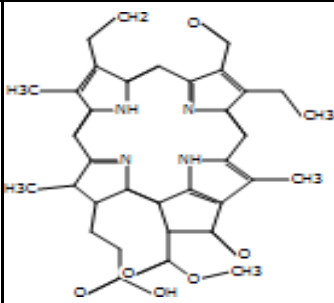
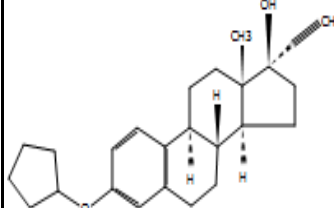
**Table 2.** Structure of the Identified Compounds Molecular Formula and Weight of *A. sessilis* in ethanolic extract in negative wavelength.

| Identified compounds                            | Molecular Mass | Molecular Formula                               | Structure of the compounds                                                            |
|-------------------------------------------------|----------------|-------------------------------------------------|---------------------------------------------------------------------------------------|
| Mulberrofuran Q                                 | 592.1301       | C <sub>34</sub> H <sub>24</sub> O <sub>10</sub> |    |
| 3,3'-Bisanigorufone                             | 542.1515       | C <sub>38</sub> H <sub>22</sub> O <sub>4</sub>  |    |
| Apiumoside                                      | 570.172        | C <sub>29</sub> H <sub>30</sub> O <sub>12</sub> |   |
| Quercetin 3-(4''- acetylramnoside) 7-rhamnoside | 636.1572       | C <sub>29</sub> H <sub>32</sub> O <sub>16</sub> |  |

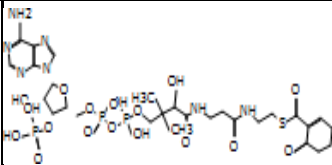
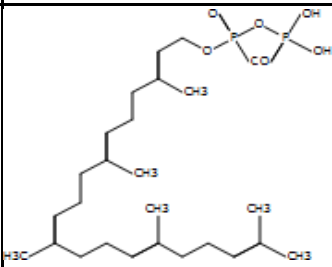
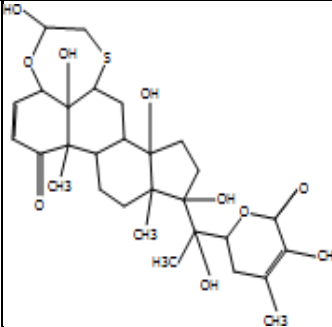
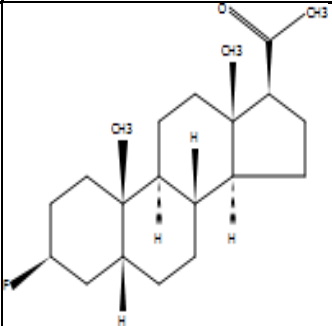
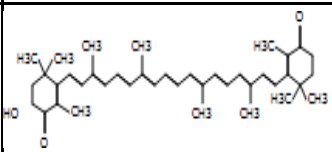
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|------------------------------------------------------------|----------|----------------------|---------------------------------------------------------------------------------------|
| Leucodelphinidin 3- [galactosyl-(1->4)-glucoside]          | 646.1785 | $C_{27}H_{34}O_{18}$ |    |
| Kaempferol 3-(2'',3''- diacetyl-4''-p-coumaroylrhamnoside) | 662.1736 | $C_{34}H_{30}O_{14}$ |    |
| Hesperetin 3',7-O-diglucuro                                | 650.174  | $C_{30}H_{34}O_{16}$ |   |
| Gnididilatin                                               | 652.3216 | $C_{37}H_{48}O_{10}$ |  |
| Palmitic Acid                                              | 256.2407 | $C_{16}H_{32}O_2$    |  |

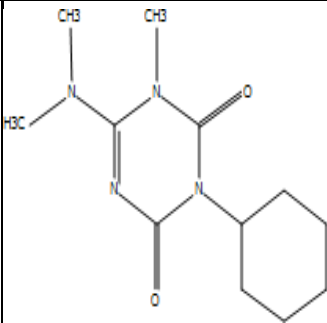
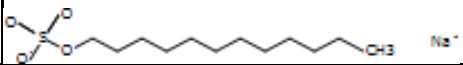
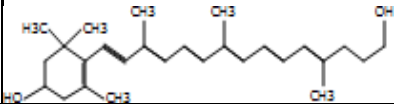
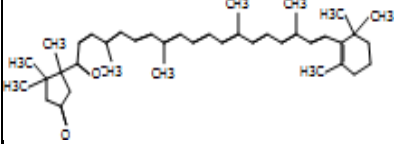
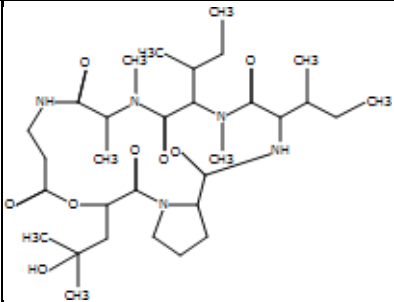
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|---------------|----------|------------------------|---------------------------------------------------------------------------------------|
| Fluopicolide  | 381.9707 | $C_{14}H_8Cl_3F_3N_2O$ |    |
| Doxylamine    | 270.173  | $C_{17}H_{22}N_2O$     |    |
| Hordatine A   | 550.292  | $C_{28}H_{38}N_8O_4$   |    |
| Remikiren     | 630.3391 | $C_{33}H_{50}N_4O_6S$  |    |
| Jamaicamide C | 490.2713 | $C_{27}H_{39}ClN_2O_4$ |   |
| Pomonic acid  | 470.343  | $C_{30}H_{46}O_4$      |  |
| LPA           | 438.2761 | $C_{21}H_{43}O_7P$     |  |

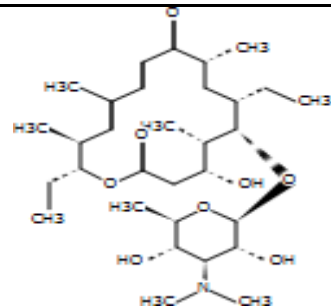
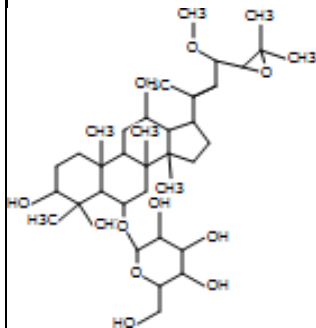
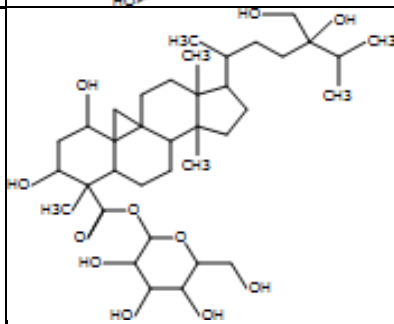
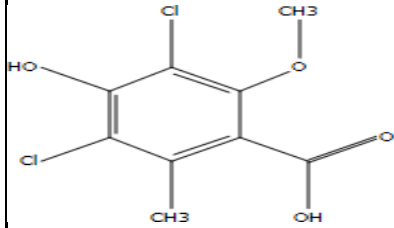
|                        |          |                         |                                                                                       |
|------------------------|----------|-------------------------|---------------------------------------------------------------------------------------|
| Cyclopassifloic acid B | 520.3809 | $C_{31}H_{52}O_6$       |    |
| Arbekacin              | 552.3089 | $C_{22}H_{44}N_6O_{10}$ |    |
| Stigmatellin Y         | 484.2823 | $C_{29}H_{40}O_6$       |    |
| 9-HOTE                 | 294.2213 | $C_{18}H_{30}O_3$       |  |

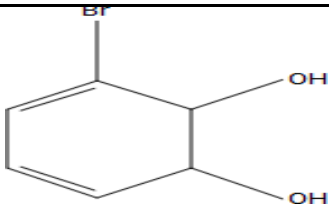
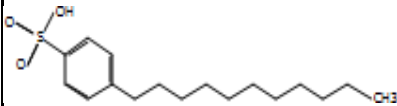
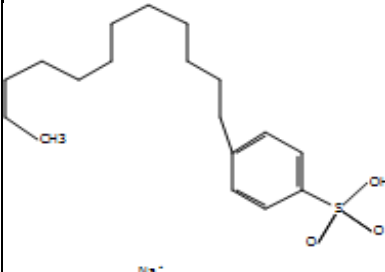
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|----------------------------------------------------|----------|----------------------|---------------------------------------------------------------------------------------|
| Milbemectin                                        | 528.3066 | $C_{31}H_{44}O_7$    |    |
| 5,8-Epoxy-5,8- dihydro-10'-apo-b,y-carotene-3,10'- | 410.28   | $C_{27}H_{38}O_3$    |    |
| 1-Palmitoyl Lysophosphatidic Acid                  | 410.2451 | $C_{19}H_{39}O_7P$   |    |
| Phaeophorbide b                                    | 606.2501 | $C_{35}H_{34}N_4O_6$ |   |
| Quinestrol                                         | 364.24   | $C_{25}H_{32}O_2$    |  |



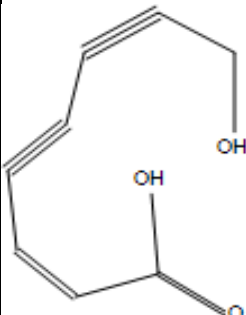
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|-----------------------------------------------------|----------|-----------------------------|---------------------------------------------------------------------------------------|
| 6-Oxocyclohex-1-ene-1-carbox                        | 889.1643 | $C_{28}H_{42}N_7O_{18}P_3S$ |    |
| Geranylfarnesyl diphosphate                         | 518.256  | $C_{25}H_{44}O_7P_2$        |    |
| Withaperuv H                                        | 578.2545 | $C_{30}H_{42}O_9S$          |    |
| 3beta-Fluoro-5beta-pregnan-20                       | 320.2479 | $C_{21}H_{33}FO$            |   |
| Phoenicoxanthin/ Adonirubin/ 3-Hydroxycanthaxanthin | 580.3911 | $C_{40}H_{52}O_3$           |  |

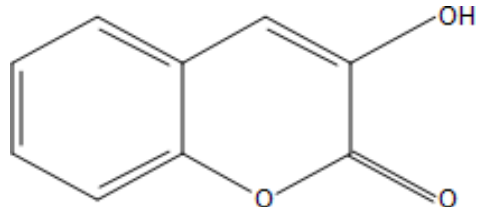
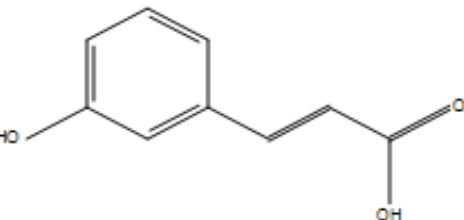
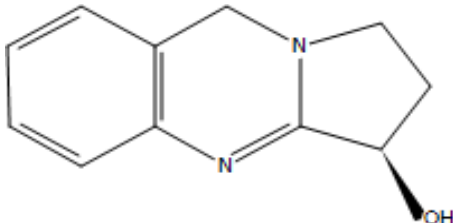
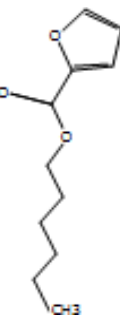
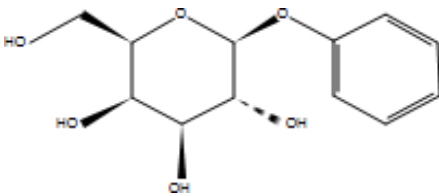
|                                 |          |                      |                                                                                      |
|---------------------------------|----------|----------------------|--------------------------------------------------------------------------------------|
| Hexazinone                      | 252.1566 | $C_{12}H_{20}N_4O_2$ |   |
| Lauryl hydrogen sulfate         | 266.1573 | $C_{12}H_{26}O_4S$   |   |
| 7,8-Dehydro beta- micropteroxan | 394.2858 | $C_{27}H_{38}O_2$    |   |
| Cryptocapsone                   | 564.4002 | $C_{40}H_{54}O_2$    |   |
| Hydroxyhomodestruxin B          | 622.4022 | $C_{31}H_{53}N_5O_8$ |  |

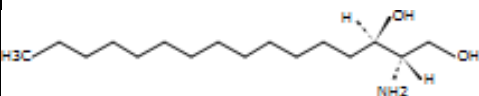
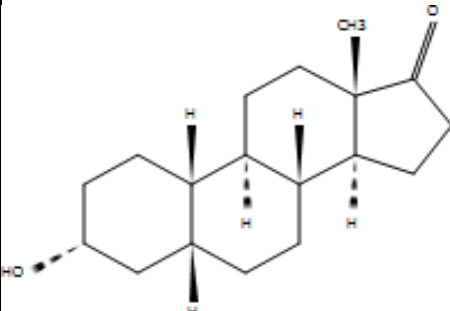
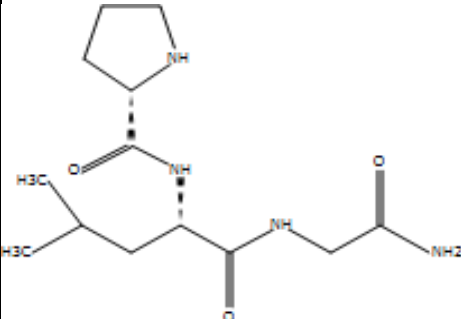
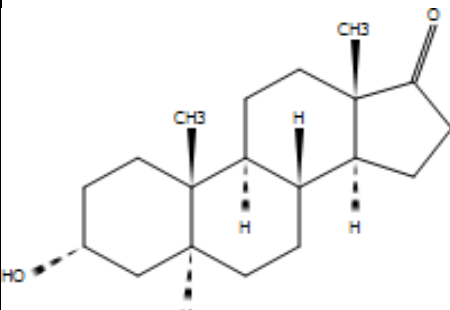
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|--------------------------------------------------------|----------|----------------------|---------------------------------------------------------------------------------------|
| 5-O-β-D-Mycaminosyltylactone                           | 566.3878 | $C_{31}H_{53}NO_8$   |    |
| Notoginsenoside T2                                     | 666.4283 | $C_{37}H_{62}O_{10}$ |    |
| Cyclopassifloside II                                   | 682.4236 | $C_{37}H_{62}O^{11}$ |   |
| 3,5-Dichloro-4- hydroxy-2-methoxy-6-methylbenzoic acid | 249.9815 | $C_9H_8Cl_2O_4$      |  |

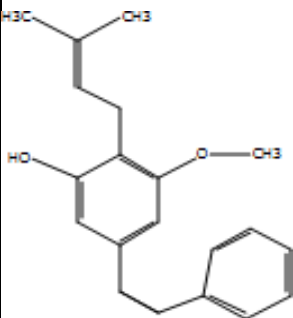
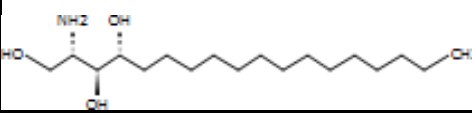
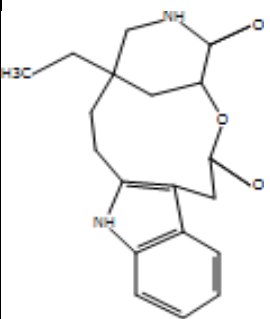
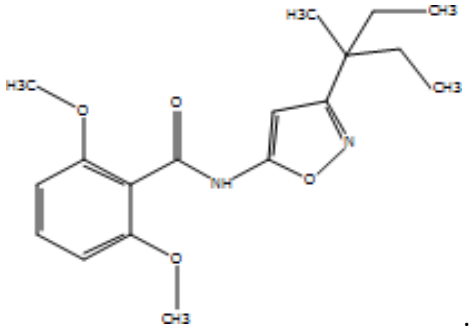
|                               |          |                                                  |                                                                                     |
|-------------------------------|----------|--------------------------------------------------|-------------------------------------------------------------------------------------|
| Bromobenzene-2,3- dihydrodiol | 189.9609 | C <sub>6</sub> H <sub>7</sub> Br O <sub>2</sub>  |  |
| Undecylbenzenesulfonic acid   | 312.174  | C <sub>17</sub> H <sub>28</sub> O <sub>3</sub> S |  |
| Dodecylbenzenesulfonic acid   | 326.1899 | C <sub>18</sub> H <sub>30</sub> O <sub>3</sub> S |  |

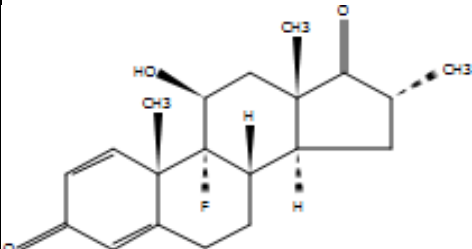
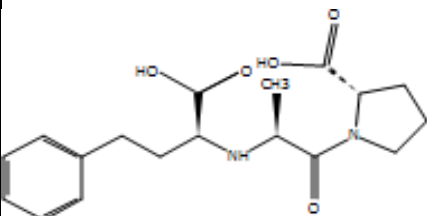
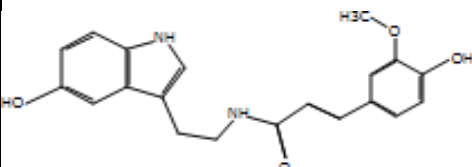
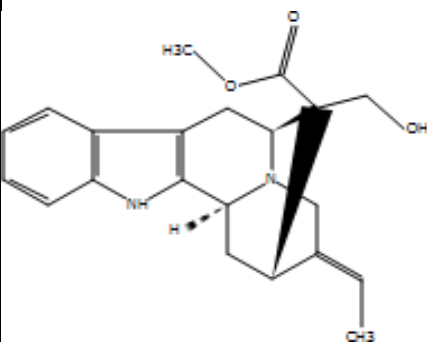
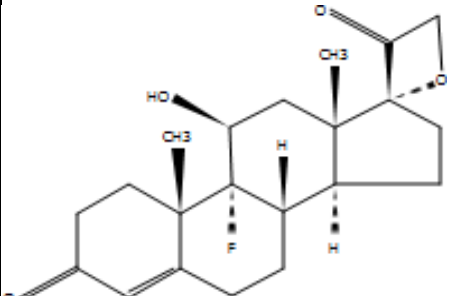
**Table 3.** Structure of the Identified Compounds Molecular Formula and Weight of *M. parvifolia* in ethanolic extract in positive wavelength.

| Identified compounds                    | Mass     | Formula                                      | Structure of the compounds                                                            |
|-----------------------------------------|----------|----------------------------------------------|---------------------------------------------------------------------------------------|
| (E)-8-Hydroxy-2-octene-4,6-dienoic acid | 150.0317 | C <sub>8</sub> H <sub>6</sub> O <sub>3</sub> |  |

|                   |          |                                                  |                                                                                       |
|-------------------|----------|--------------------------------------------------|---------------------------------------------------------------------------------------|
| 3-Hydroxycoumarin | 162.0315 | C <sub>9</sub> H <sub>6</sub> O <sub>3</sub>     |    |
| m-Coumaric acid   | 164.0474 | C <sub>9</sub> H <sub>8</sub> O <sub>3</sub>     |    |
| Peganine          | 188.0946 | C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O |    |
| Hexyl 2-furoate   | 196.1093 | C <sub>11</sub> H <sub>16</sub> O <sub>3</sub>   |   |
| Phenylgalactoside | 256.0942 | C <sub>12</sub> H <sub>16</sub> O <sub>6</sub>   |  |

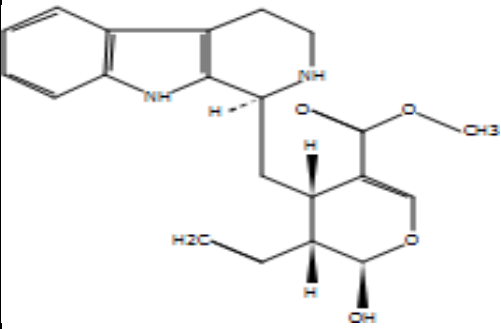
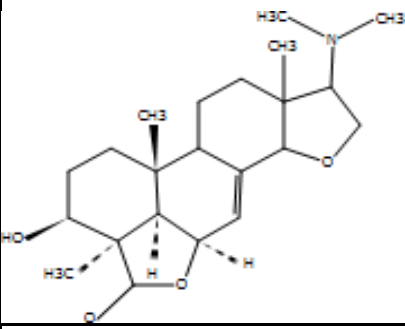
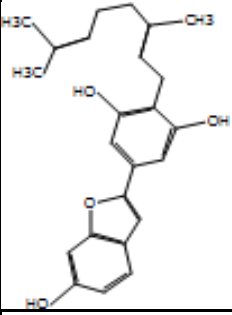
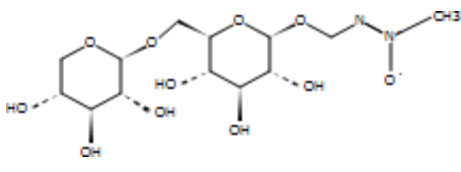
|                       |          |                      |                                                                                      |
|-----------------------|----------|----------------------|--------------------------------------------------------------------------------------|
| C16 Sphinganine       | 273.2658 | $C_{16}H_{35}NO_2$   |   |
| 19-Noretiocholanolone | 276.2081 | $C_{18}H_{28}O_2$    |   |
| Melanostatin          | 284.1841 | $C_{13}H_{24}N_4O_3$ |   |
| Androsterone          | 290.2233 | $C_{19}H_{30}O_2$    |  |

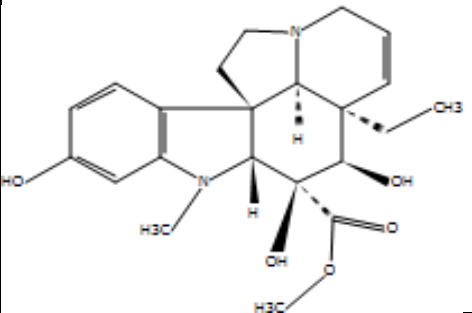
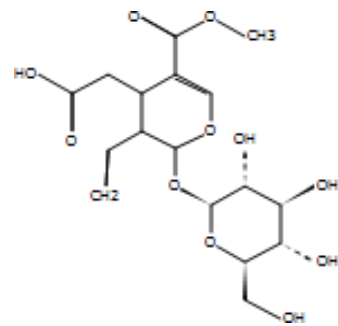
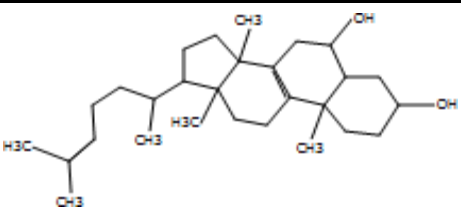
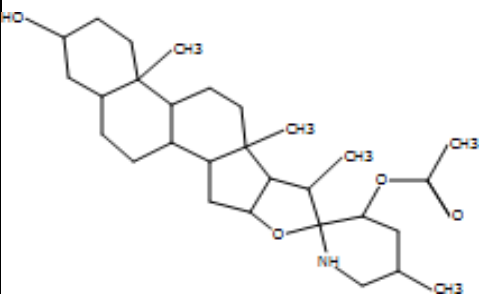
|                  |          |                      |                                                                                      |
|------------------|----------|----------------------|--------------------------------------------------------------------------------------|
| Longistylin A    | 294.1606 | $C_{20}H_{22}O_2$    |   |
| Phytosphingosine | 317.291  | $C_{18}H_{39}NO_3$   |   |
| Alkaloid AQC2    | 326.164  | $C_{19}H_{22}N_2O_3$ |   |
| Isoxaben         | 332.1748 | $C_{18}H_{24}N_2O_4$ |  |

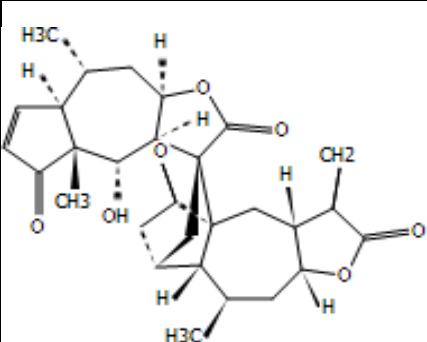
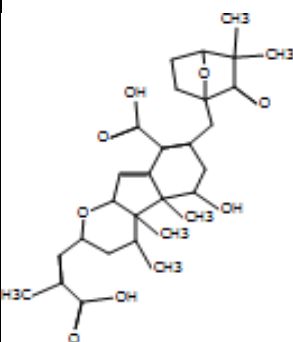
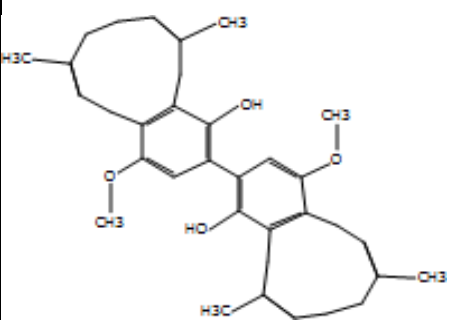
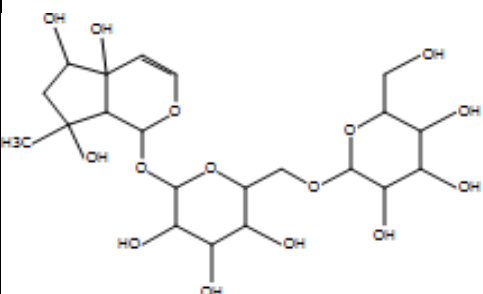
|                                                                      |          |                         |                                                                                       |
|----------------------------------------------------------------------|----------|-------------------------|---------------------------------------------------------------------------------------|
| 9-Fluoro-11beta-hydroxy- 16alpha-methylandrosta-1,4-diene-3,17-dione | 332.1763 | $C_{20} H_{25} F O_3$   |    |
| Enalaprilat                                                          | 348.1701 | $C_{18} H_{24} N_2 O_5$ |    |
| Moschamine                                                           | 352.1413 | $C_{20} H_{20} N_2 O_4$ |    |
| Akuammidine                                                          | 352.1766 | $C_{21} H_{24} N_2 O_3$ |   |
| 17,21-Epoxy-9-fluoro-11beta-hydroxypregn-4-ene-3,20- dione           | 362.1851 | $C_{21} H_{27} F O_4$   |  |

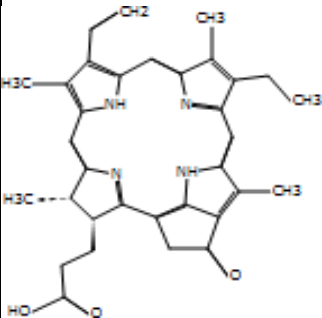
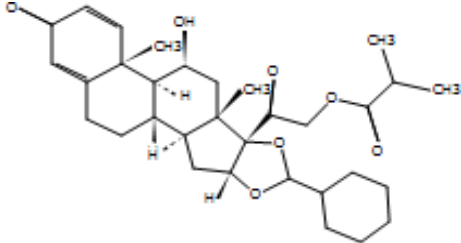
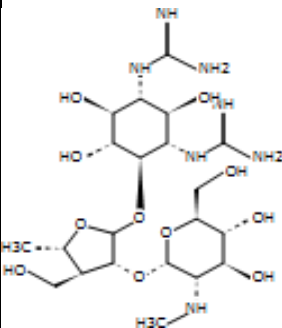
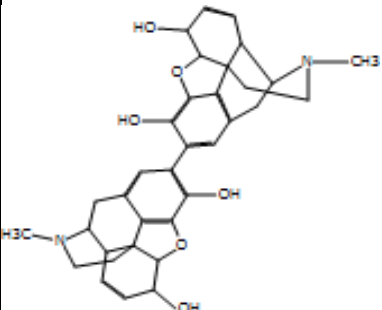


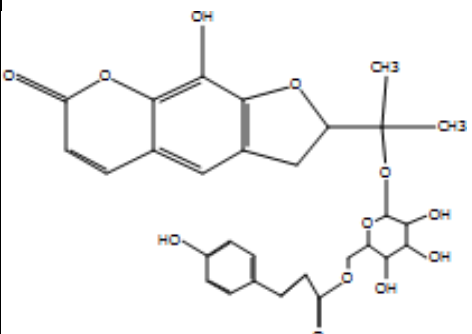
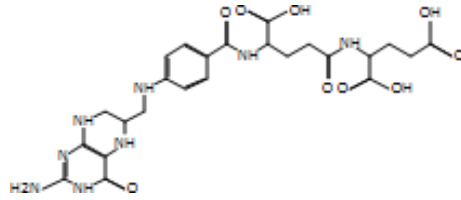
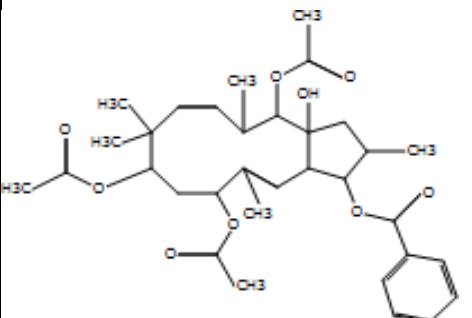
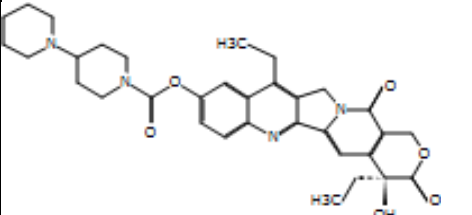
|                                                                      |          |                      |  |
|----------------------------------------------------------------------|----------|----------------------|--|
| 5-Hydroxy-4-methoxy-5-(1-oxo-9,12,15-hexadecatrienyl)-2(5H)-furanone | 362.2031 | $C_{21}H_{30}O_5$    |  |
| Apodine                                                              | 366.1571 | $C_{21}H_{22}N_2O_4$ |  |
| Strictosidine aglycone                                               | 368.1712 | $C_{21}H_{24}N_2O_4$ |  |
| Mitraphylline                                                        | 368.1723 | $C_{21}H_{24}N_2O_4$ |  |

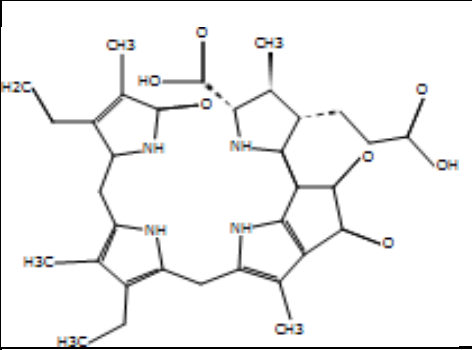
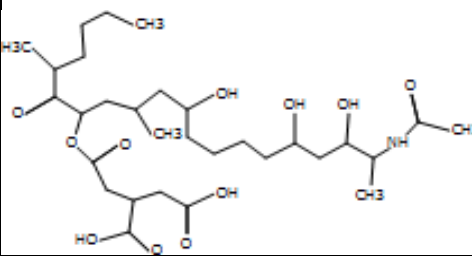
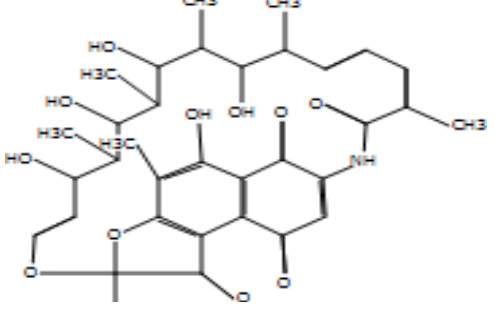
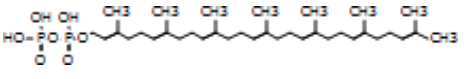
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|------------------------|----------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Strictosidine aglycone | 368.1727 | $C_{21}H_{24}N_2O_4$    |  <p>The structure of Strictosidine aglycone is a complex pentacyclic alkaloid. It features an indole ring system fused to a hexahydroindole ring, which is further fused to a six-membered ring containing a nitrogen atom. This is connected to a five-membered ring with an oxygen atom, which is finally fused to a six-membered ring containing a hydroxyl group and a methoxy group. Stereochemistry is indicated with wedges and dashes.</p> |
| Icaceine               | 375.2415 | $C_{22}H_{33}NO_4$      |  <p>The structure of Icaceine is a complex polycyclic alkaloid. It consists of a fused ring system including a six-membered ring with a hydroxyl group, a five-membered ring with an oxygen atom, and a six-membered ring with a nitrogen atom substituted with two methyl groups. Stereochemistry is indicated with wedges and dashes.</p>                                                                                                        |
| Albafuran B            | 378.1801 | $C_{24}H_{26}O_4$       |  <p>The structure of Albafuran B is a complex polycyclic alkaloid. It features a fused ring system including a six-membered ring with a hydroxyl group, a five-membered ring with an oxygen atom, and a six-membered ring with a hydroxyl group. Stereochemistry is indicated with wedges and dashes.</p>                                                                                                                                         |
| Macrozamin             | 384.1386 | $C_{13}H_{24}N_2O_{11}$ |  <p>The structure of Macrozamin is a complex polycyclic alkaloid. It consists of a fused ring system including a six-membered ring with a hydroxyl group, a five-membered ring with an oxygen atom, and a six-membered ring with a hydroxyl group. Stereochemistry is indicated with wedges and dashes.</p>                                                                                                                                      |

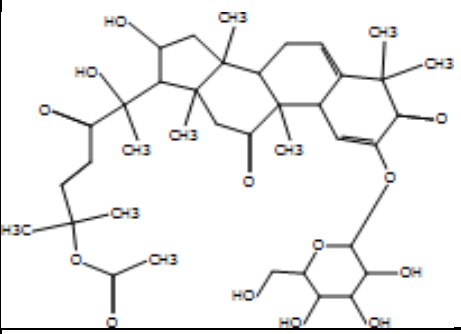
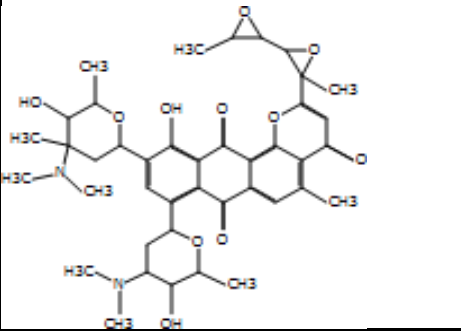
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|------------------------------------|----------|----------------------|---------------------------------------------------------------------------------------|
| 11-O-Demethyl-17-O-acetylvindoline | 400.1986 | $C_{22}H_{28}N_2O_5$ |    |
| Secoxyloganin                      | 404.1305 | $C_{17}H_{24}O_{11}$ |    |
| Stenocereol                        | 414.35   | $C_{28}H_{46}O_2$    |   |
| 23-Acetoxyisoladulcidine           | 473.3481 | $C_{29}H_{47}NO_4$   |  |

|                  |          |                      |                                                                                       |
|------------------|----------|----------------------|---------------------------------------------------------------------------------------|
| Microlenin       | 494.2273 | $C_{29}H_{34}O_7$    |    |
| Glycinoeclepin C | 514.2585 | $C_{29}H_{38}O_8$    |    |
| Flavidulol C     | 514.3121 | $C_{34}H_{42}O_4$    |   |
| Stachyoside A    | 526.1928 | $C_{21}H_{34}O_{15}$ |  |

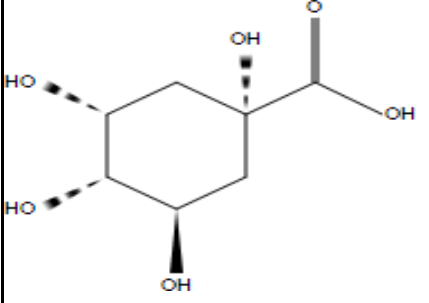
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|--------------------------|----------|-------------------------|---------------------------------------------------------------------------------------|
| Pyropheophorbide a       | 534.2613 | $C_{33}H_{34}N_4O_3$    |    |
| Ciclesonide              | 540.31   | $C_{32}H_{44}O_7$       |    |
| Dihydrodeoxystreptomycin | 567.2867 | $C_{21}H_{41}N_7O_{11}$ |   |
| γ-Morphine               | 568.2687 | $C_{34}H_{36}N_2O_6$    |  |

|                           |          |                      |                                                                                       |
|---------------------------|----------|----------------------|---------------------------------------------------------------------------------------|
| Apiumoside                | 570.1832 | $C_{29}H_{30}O_{12}$ |    |
| Tetrahydrofolyl-[Glu] (2) | 574.2143 | $C_{24}H_{30}N_8O_9$ |    |
| Euphornin                 | 584.2997 | $C_{33}H_{44}O_9$    |   |
| Irinotecan                | 586.2792 | $C_{33}H_{38}N_4O_6$ |  |

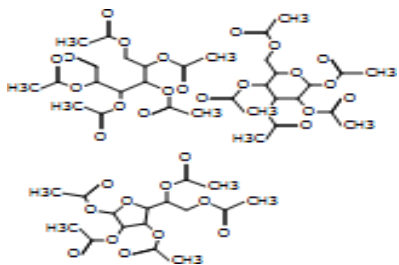
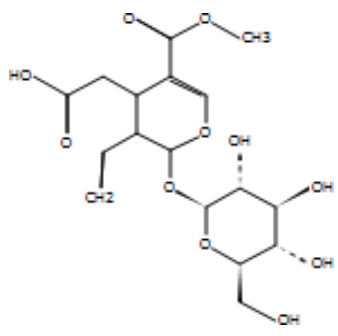
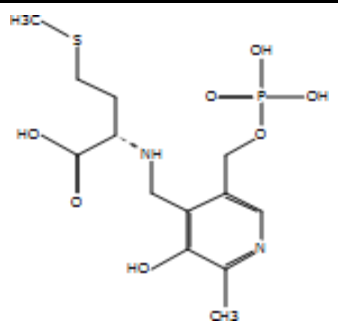
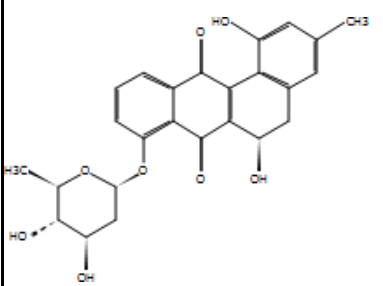
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|-----------------------------------|----------|-----------------------|---------------------------------------------------------------------------------------|
| Oxidized dinoflagellate luciferin | 602.274  | $C_{33}H_{38}N_4O_7$  |    |
| Fumonisin AK1                     | 603.374  | $C_{30}H_{53}NO_{11}$ |    |
| Demethyl-desacetyl-rifamycin S    | 638.2727 | $C_{34}H_{41}NO_{11}$ |   |
| all-trans-heptaprenyl diphosphate | 654.3799 | $C_{35}H_{60}O_7P_2$  |  |

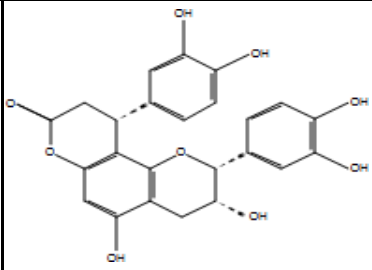
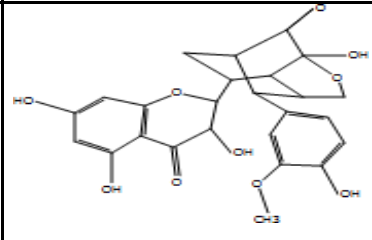
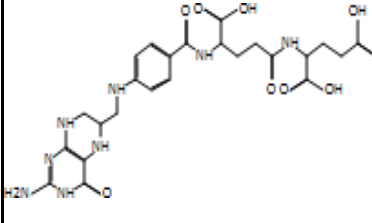
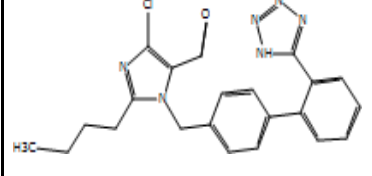
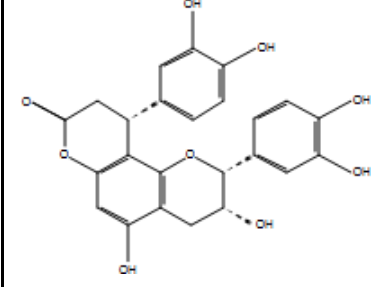
|             |          |                         |                                                                                     |
|-------------|----------|-------------------------|-------------------------------------------------------------------------------------|
| Elaterinide | 718.3473 | $C_{38}H_{54}O_{13}$    |  |
| Hedamycin   | 746.3519 | $C_{41}H_{50}N_2O_{11}$ |  |

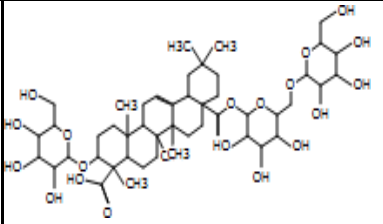
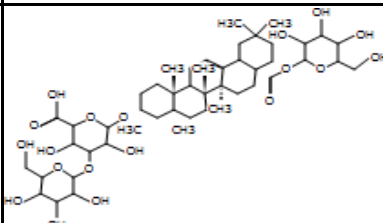
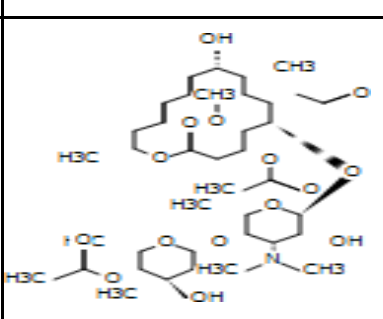
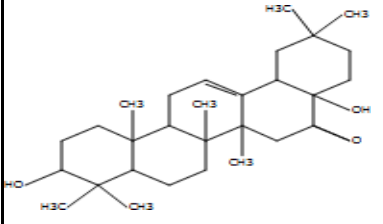
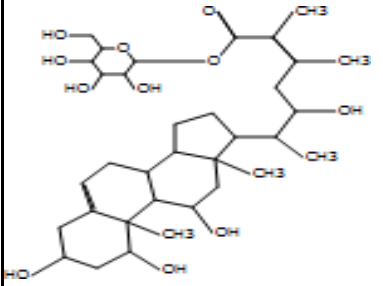
**Table 4.** Structure of the Identified Compounds Molecular Formula and Weight of *M. parvifolia* in ethanolic extract in negative wavelength.

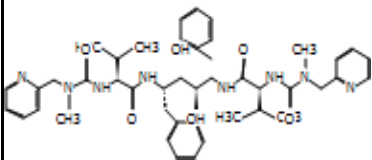
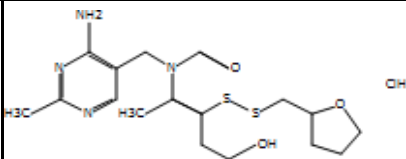
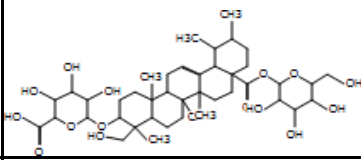
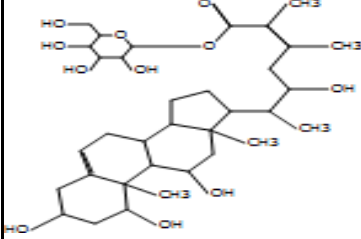
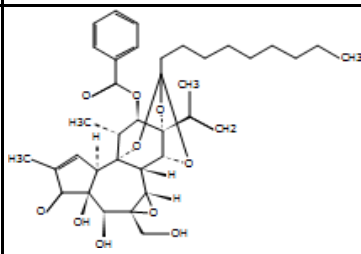
| Identified compounds | Mass     | Formula        | Structure of the compounds                                                            |
|----------------------|----------|----------------|---------------------------------------------------------------------------------------|
| Quinic acid          | 192.0622 | $C_7H_{12}O_6$ |  |

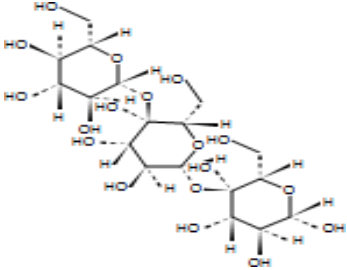
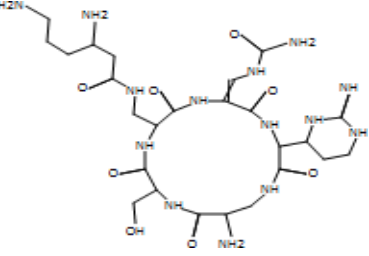
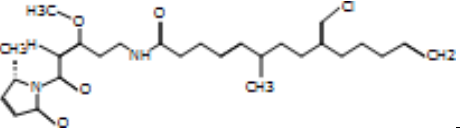
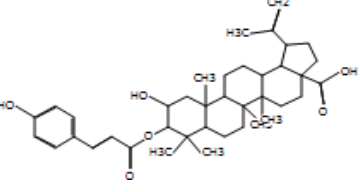
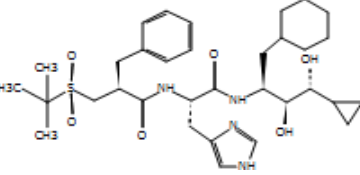


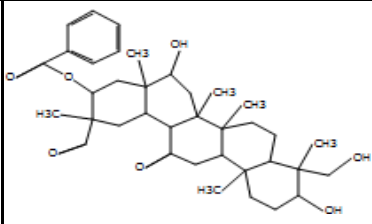
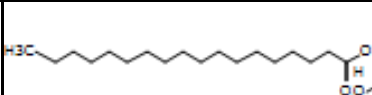
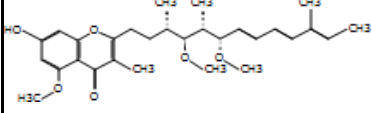
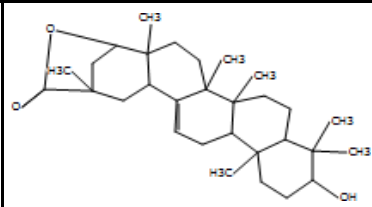
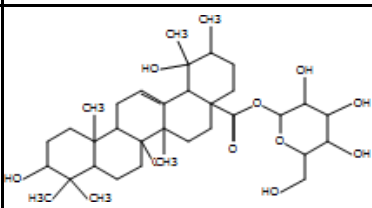
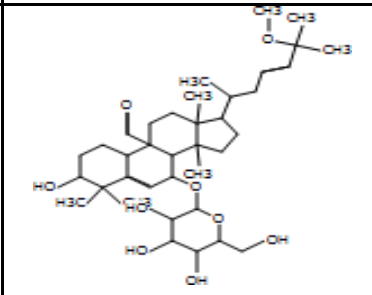
|                                    |          |                        |                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------|----------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2,3,4,5,6-Penta-O-acetyl-D-glucose | 390.1138 | $C_{16}H_{22}O_{11}$   |  <p>The structure shows a glucose molecule in its cyclic pyranose form. The hydroxyl groups at positions 2, 3, 4, 5, and 6 are all acetylated, forming five acetate ester groups. The acetyl groups are represented as -C(=O)CH<sub>3</sub>.</p>                                                                        |
| Secoxyloganin                      | 404.129  | $C_{17}H_{24}O_{11}$   |  <p>The structure is a complex polycyclic molecule. It features a central ring system with multiple oxygen atoms, including a glycosidic linkage to a sugar moiety. It has several hydroxyl groups and a methoxy group.</p>                                                                                             |
| O-Acetylserine                     | 380.0848 | $C_{13}H_{21}N_2O_7PS$ |  <p>The structure shows a pyrimidine ring substituted with a hydroxyl group and a methyl group. It is linked via a methylene group to a side chain that includes a serine derivative (with a carboxylic acid group) and a phosphorus atom bonded to two hydroxyl groups and a methylthio group (-SCH<sub>3</sub>).</p> |
| Landomycin H                       | 452.1403 | $C_{25}H_{24}O_8$      |  <p>The structure is a complex polycyclic molecule, likely a tetracycline derivative. It features a tetracyclic core with multiple oxygen atoms, including a glycosidic linkage to a sugar moiety. It has several hydroxyl groups and a methyl group.</p>                                                             |

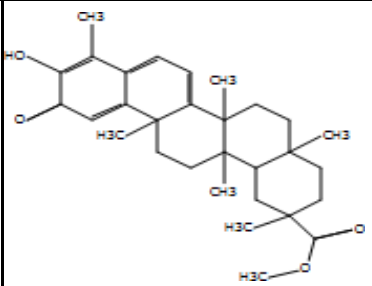
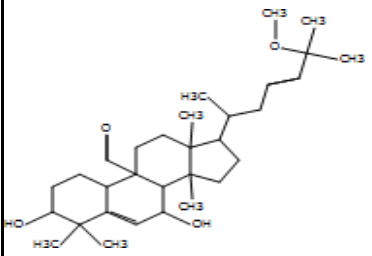
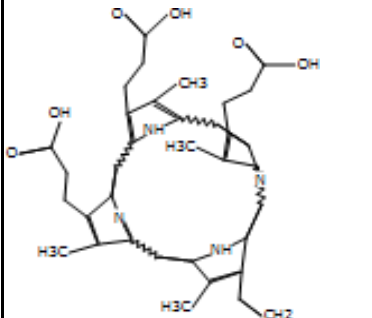
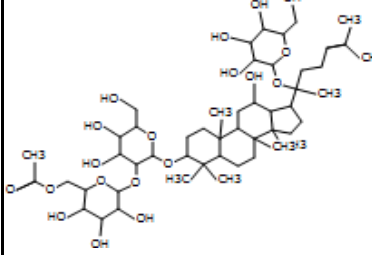
|                           |          |                      |                                                                                       |
|---------------------------|----------|----------------------|---------------------------------------------------------------------------------------|
| Cinchonain Ib             | 452.1106 | $C_{24}H_{20}O_9$    |    |
| Silidianin                | 484.1353 | $C_{25}H_{24}O_{10}$ |    |
| Tetrahydrofolyl- [Glu](2) | 574.2143 | $C_{24}H_{30}N_8O_9$ |    |
| E-3179                    | 420.1444 | $C_{22}H_{21}ClN_6O$ |   |
| Cinchonain Ib             | 452.1105 | $C_{24}H_{20}O_9$    |  |

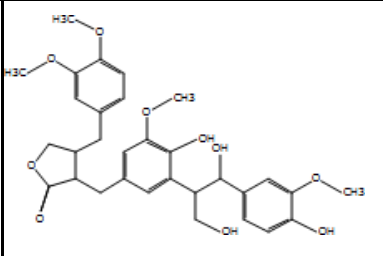
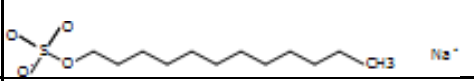
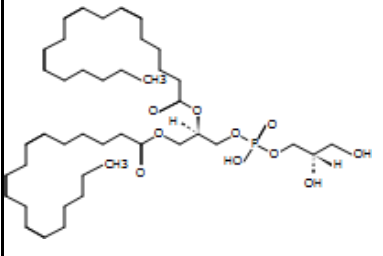
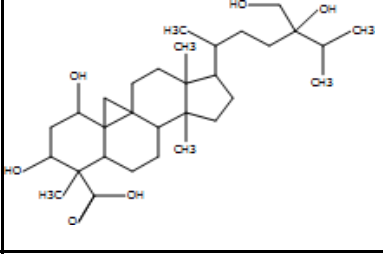
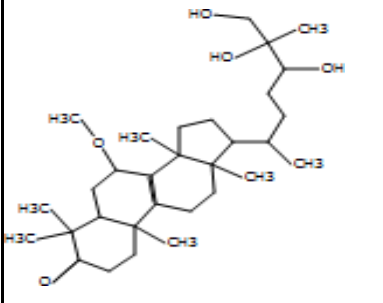
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|------------------------------------------------------------|----------|--------------------------------------------------|---------------------------------------------------------------------------------------|
| Azukisaponin IV                                            | 972.4926 | C <sub>48</sub> H <sub>76</sub> O <sub>20</sub>  |    |
| Calendulose H                                              | 956.4994 | C <sub>48</sub> H <sub>76</sub> O <sub>19</sub>  |    |
| Leucomycin A8                                              | 784.416  | C <sub>39</sub> H <sub>63</sub> NO <sub>15</sub> |    |
| Camellenodiol                                              | 442.346  | C <sub>29</sub> H <sub>46</sub> O <sub>3</sub>   |   |
| 26-Glucosyl-1,3,11,22- tetrahydroxyergosta-5,24-dien-26-ol | 638.3584 | C <sub>34</sub> H <sub>54</sub> O <sub>11</sub>  |  |

|                 |          |                         |                                                                                      |
|-----------------|----------|-------------------------|--------------------------------------------------------------------------------------|
| A 77003         | 794.4473 | $C_{44}H_{58}N_8O_6$    |   |
| Fursultiamine   | 398.1428 | $C_{17}H_{26}N_4O_3S_2$ |   |
| Cynarasaponin E | 810.4422 | $C_{42}H_{66}O_{15}$    |   |
| Dolicholide     | 478.3207 | $C_{28}H_{46}O_6$       |   |
| Gnididilatin    | 652.322  | $C_{37}H_{48}O_{10}$    |  |

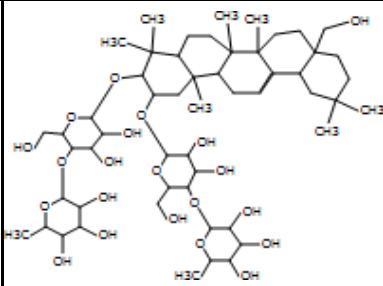
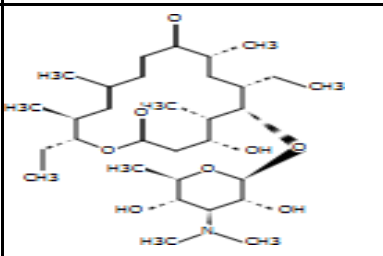
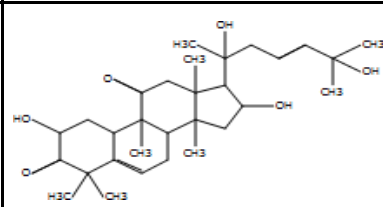
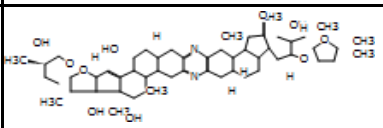
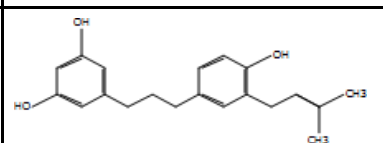
|                           |          |                            |                                                                                       |
|---------------------------|----------|----------------------------|---------------------------------------------------------------------------------------|
| 1,4-beta-D-Glucan         | 536.1605 | $C_{18} H_{32} O_{18}$     |    |
| Capreomycin               | 668.3546 | $C_{25} H_{44} N_{14} O_8$ |    |
| Jamaicamide C             | 490.2719 | $C_{27} H_{39} Cl N_2 O_4$ |    |
| 3-O-p-trans-Coumaroylalph | 618.394  | $C_{39} H_{54} O_6$        |   |
| Remikiren                 | 630.3396 | $C_{33} H_{50} N_4 O_6 S$  |  |

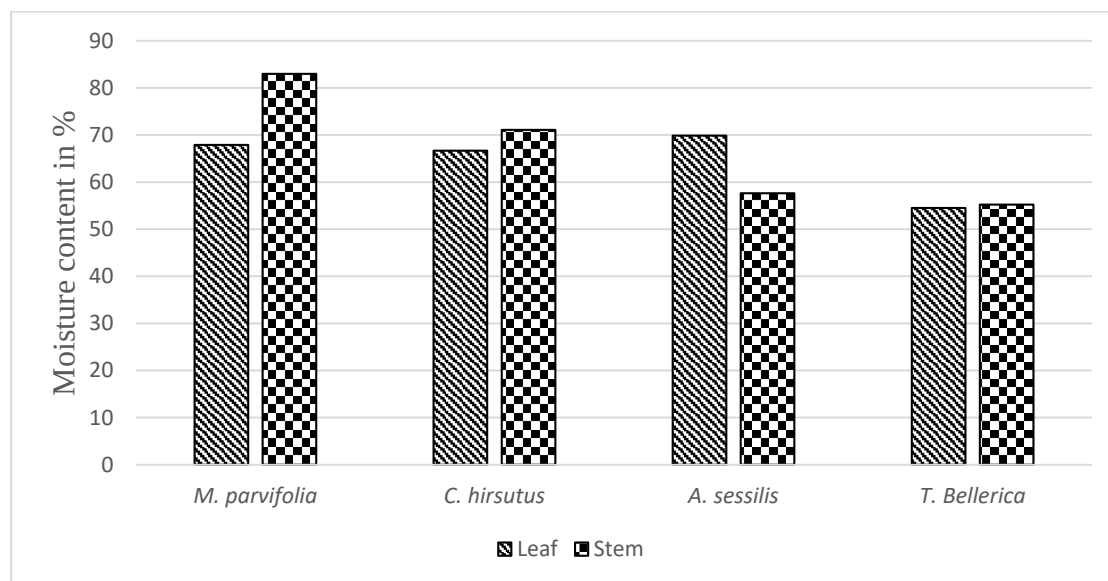
|                     |          |                       |                                                                                       |
|---------------------|----------|-----------------------|---------------------------------------------------------------------------------------|
| Avenestergenin A2   | 608.3643 | $C_{37} H_{52} O_7$   |    |
| LPA                 | 438.2768 | $C_{21} H_{43} O_7 P$ |    |
| Stigmatellin Y      | 484.2822 | $C_{29} H_{40} O_6$   |    |
| Desoxoglabrolide    | 454.346  | $C_{30} H_{46} O_3$   |    |
| 28-Glucosylpomolate | 634.4103 | $C_{36} H_{58} O_9$   |   |
| Momordicoside K     | 648.4256 | $C_{37} H_{60} O_9$   |  |

|                                                 |          |                         |                                                                                       |
|-------------------------------------------------|----------|-------------------------|---------------------------------------------------------------------------------------|
| Pristimerin                                     | 464.2919 | $C_{30} H_{40} O_4$     |    |
| 3,7-Dihydroxy-25- methoxycucurbita-5,23-dien-19 | 486.3731 | $C_{31} H_{50} O_4$     |    |
| Harderoporphyrin                                | 608.2657 | $C_{35} H_{36} N_4 O_6$ |   |
| Pseudoginsenoside Rc1                           | 988.5539 | $C_{50} H_{84} O_{19}$  |  |

|                                      |          |                          |                                                                                       |
|--------------------------------------|----------|--------------------------|---------------------------------------------------------------------------------------|
| Lappaol D                            | 568.2249 | $C_{31} H_{36} O_{10}$   |    |
| Lauryl hydrogen sulfate              | 266.1567 | $C_{12} H_{26} O_4 S$    |    |
| PG(18:3(6Z,9Z,12Z)/18:3(6Z, 9Z,12Z)) | 766.4795 | $C_{42} H_{71} O_{10} P$ |    |
| Cyclopassifloic acid B               | 520.382  | $C_{31} H_{52} O_6$      |   |
| Ganoderiol G                         | 504.3866 | $C_{31} H_{52} O_5$      |  |



|                              |           |                         |                                                                                       |
|------------------------------|-----------|-------------------------|---------------------------------------------------------------------------------------|
| Melilotin                    | 1074.5912 | $C_{54}H_{90}O_{21}$    |    |
| 5-O-β-D-Mycaminosyltylactone | 566.3879  | $C_{31}H_{53}NO_8$      |    |
| 22-Deoxocucurbitacin D       | 502.3305  | $C_{30}H_{46}O_6$       |    |
| Ritterazine A                | 912.5383  | $C_{54}H_{76}N_2O_{10}$ |   |
| Broussoinin C                | 312.1729  | $C_{20}H_{24}O_3$       |  |



**Fig. 1.** Moisture content % of plants (leaf and stem).