

**Annex 2:** compounds detected in both MeOH leaf and stem extracts of *C. lanuginosus* through GC-MS

| COMPOUND Name  | Class         | MF  | MW (g/mol) | RT     | Area% |
|--|---------------|---|------------|--------|-------|
| Undecane   | Alkane        | C <sub>11</sub> H <sub>24</sub>                 | 156        | 7.513  | 15.52 |
| 3-Decen-1-yne, (E)-  | Alkyne        | C <sub>10</sub> H <sub>18</sub>                 | 138        | 7.670  | 3.17  |
| 1,4-Cyclohexadiene-1-methanol, 4-(1-methyl ethyl)  | Monoterpenoid | C <sub>10</sub> H <sub>16</sub> O               | 152        | 8.153  | 1.48  |
| Camphor  | Monoterpenoid | C <sub>10</sub> H <sub>16</sub> O               | 152        | 8.671  | 13.31 |
| Carveol  | Monoterpenoid | C <sub>10</sub> H <sub>16</sub> O               | 152        | 10.931 | 1.37  |
| Alfa. -Copaene   | Sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 11.994 | 1.77  |
| Caryophyllene  | Sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 12.684 | 2.99  |
| 4,5-di-epi-aristolochene   | Sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 13.011 | 1.88  |
| Germacrene D   | Sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 13.538 | 1.60  |
| Bicyclo [5.3.0] decane, 2-methylene-5-(1-methyl vinyl)-8-methyl-                                       | Sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 13.673 | 3.02  |
| 1-Isopropyl-4,7-dimethyl-1,2,3,5,6,8a-hexahydronaphthalene   | Sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 13.949 | 3.68  |
| beta. -ylangene  | Sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 13.980 | 1.95  |
| Spirojatamol   | Sesquiterpene | C <sub>15</sub> H <sub>26</sub> O               | 222        | 14.910 | 2.97  |
| 1,5,9,11-Tridecatetraene, 12-methyl-, (E, E)-  | Sesquiterpene | C <sub>14</sub> H <sub>22</sub>                 | 190        | 14.960 | 1.39  |
| (S,1Z,6Z)-8-Isopropyl-1-methyl-5-methylenecyclodeca-1,6-diene  | Sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 15.636 | 2.46  |
| 1(2H)-Naphthalenone, octahydro-4a,8a-dimethyl-7-(1-methylethyl)-, [4aR-(4a.alpha.,7.beta.,8a.alpha.)]  | Terpenoid     | C <sub>15</sub> H <sub>26</sub> O               | 222        | 16.146 | 10.72 |
| Beta. -Vatirenene  | Sesquiterpene | C <sub>15</sub> H <sub>26</sub> O               | 222        | 16.220 | 1.93  |
| Heptane, 1-bromo-6-methyl-   | Alkane        | C <sub>8</sub> H <sub>17</sub> Br               | 192        | 16.256 | 1.77  |
| Tricyclo [4.1.0.0(2,4)] heptane, 3,3,7,7-tetramethyl-5-(2-methyl-1-propenyl)                           | Terpenoid     | C <sub>15</sub> H <sub>24</sub>                 | 204        | 16.376 | 1.64  |
| Pentadecanoic acid, 14-methyl-, methyl ester   | Fatty acid    | C <sub>17</sub> H <sub>34</sub> O <sub>2</sub>  | 270        | 18.525 | 4.96  |
| Linoelaidic acid   |               | C <sub>18</sub> H <sub>32</sub> O <sub>2</sub>  | 280        | 20.284 | 3.01  |
| 9-Octadecenoic acid, methyl ester  | Fatty acid    | C <sub>19</sub> H <sub>36</sub> O <sub>2</sub>  | 296        | 20.322 | 2.13  |
| 7,10,13-Hexadecatrienoic acid, methyl ester  | Fatty acid    | C <sub>17</sub> H <sub>28</sub> O <sub>2</sub>  | 264        | 20.368 | 5.15  |
| 3,7,11,15-Tetramethyl-2-hexadecen-1-ol (phytol)  | Diterpenes    | C <sub>20</sub> H <sub>40</sub> O               | 296        | 20.417 | 7.91  |
| Tridecanoic acid, 12-methyl-, methyl ester   | Fatty acid    | C <sub>15</sub> H <sub>30</sub> O <sub>2</sub>  | 242        | 20.549 | 2.22  |
| 3-Butyn-1-ol   | Alkyne        | C <sub>4</sub> H <sub>6</sub> O                 | 70         | 9.065  | 2.63  |
| Ethanol, 2-(vinyloxy)-   | Vinyl ether   | C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>    | 88         | 9.145  | 2.50  |
| 4,5-di-epi-aristolochene   | sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 12.971 | 4.19  |
| Valerena-4,7(11)-diene   | sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 13.012 | 3.67  |
| Naphtho[2,3-b] furan-2-one, 3-[[2-(4-methoxyphenyl)ethylamino] methyl]-8a-methyl-5-methylenedecahydro- | Naphthofuran  | C <sub>24</sub> H <sub>33</sub> NO <sub>3</sub> | 383        | 14.910 | 4.22  |
| alpha. -Farnesene  | sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 16.264 | 9.36  |
| Bisnorallocholanolic acid  | Fatty acid    | C <sub>22</sub> H <sub>36</sub> O <sub>2</sub>  | 332        | 16.376 | 2.85  |
| beta. Longipinene  | sesquiterpene | C <sub>15</sub> H <sub>24</sub>                 | 204        | 16.521 | 2.03  |
| Hexadecanoic acid, 15-methyl-, methyl ester  | Fatty acid    | C <sub>18</sub> H <sub>36</sub> O               | 284        | 3.20   | 3.20  |

MF: molecular formula, MW: molecular weight, RT: retention time