|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SL.NO** | **RT** | **NAME** | **IUPAC NAME** | **MOL.WT****(g/mol)** | **MOL. FORMULA** | **STRUCTURE** | **REFERENCE NUMBER** |
| 1. | 12.08 | 2-Buten-1-ol,3 methyl | 3-methyl-2-butenol | 86.132 | C5H10O | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\NIST Scan_ 556-82-1.bmp | NIST CAS # 556-82-1 #ions=51 |
| 2. | 14.13 | 3-Buten-2-one, 4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-,(E)- | 4-(2,6,6-Trimethyl-2-cyclohexenyl)-3-buten-2-one | 192.297  | C13H20O | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\AGARICUS Scan_524.bmp | NIST CAS # 127-41-3 #ions=136 |
| 3. | 15.67 | Tetradecanoic acid, ethyl ester | **Ethyl myristate** | 256.424 | C16H3202 | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\NIST MS Scan_1 of 100 (124-06-1).bmp | NIST MS 1 OF 100 (124-06-1) #ions=120 |
| 4. | 16.72 | Pentadecanoic acid, ethyl ester | Ethyl pentadecanoate | 270.457 | C17H3402 | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\AGARICUS Scan_627.bmp | NIST MS 1 OF 100 (41114-00-) #ions=131 |
| 5. | 17.05 | Pentadecanoic acid, 14-methyl-methyl ester | Methyl 14-methylpentadecanoate | 270.457 | [C17H34O2](https://pubchem.ncbi.nlm.nih.gov/search/#collection=compounds&query_type=mf&query=C17H34O2&sort=mw&sort_dir=asc) | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\AGARICUS Scan_640.bmp | NIST MS 2 OF 100 (5129-60-2 #ions=104 |
| 6. | 17.78 | Hexadecanoic acid, ethyl ester | **Ethyl palmitate** | 284.477  | C18H36O2 | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\AGARICUS Scan_669.bmp | NIST MS 1 OF 100 (628-97-7) #ions=170 |
| 7. | 18.48 | Ethanol,2-(9,12-Octadecadienyloxy)-, (Z,Z)- | **2-[(9Z,12Z)-9,12-Octadecadien-1-yloxy]ethanol** | 310.514  | C20H38O2 | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\AGARICUS Scan_697.bmp | NIST MS 6 OF 100 (17367-08- #ions=263 |
| 8. | 18.8 | 10-Octadecenoic acid, methyl ester | **Methyl (10E)-10-octadecenoate** | 296.488 | C19H36O2 | J:\GC MS\AE\NIST MS Scan_1 of 100 (13481-95-.bmp | NIST MS 1 OF 100 (13481-95- #ions=249 |
| 9. | 19.45 | 9,12-Octadecadienoic acid,ethyl ester | **Ethyl (9Z,12Z)-9,12-octadecadienoate**  | 308.506 | [C20H36O2](https://pubchem.ncbi.nlm.nih.gov/search/#collection=compounds&query_type=mf&query=C18H32O2&sort=mw&sort_dir=asc) | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\NIST MS Scan_1 of 100 (7619-08-1.bmp | NIST MS 1 OF 100 (7619-08-1 #ions=134 |
| 10. | 19.72 | Heptadecanoic acid, 15-methyl, ethyl ester | **Ethyl 15-methylheptadecanoate** | 312.541 | C20H40O2 | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\NIST MS Scan_1 of 100 (57274-46-.bmp | NIST MS 1 OF 100 (57274-46- #ions=148 |
| 11. | 20.27 | Isopropyl linoleate | **Isopropyl (9Z,12Z)-9,12-octadecadienoate** | 322.533 | [C21H38O2](https://pubchem.ncbi.nlm.nih.gov/search/#collection=compounds&query_type=mf&query=C21H38O2&sort=mw&sort_dir=asc) | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\AGARICUS Scan_768.bmp | NIST MS 8 OF 100 (22882-95- #ions=150 |
| 12. | 21.22 | Cyclopropaneoctanoic acid, 2((2-((2-ethylcyclopropyl)methyl)cyclopropyl) methyl methyl ester) | - | 334.53 | C22H38O2 | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\AGARICUS Scan_806.bmp | NIST MS 3 OF 100 (10152-71- #ions=157 |
| 13. | 21.48 | Octadecyl methacrylate | octadecyl 2-methylprop-2-enoate | 338.576 | [C22H42O2](https://pubchem.ncbi.nlm.nih.gov/search/#collection=compounds&query_type=mf&query=C22H42O2&sort=mw&sort_dir=asc) | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\NIST MS Scan_100 of 100 (112-08-.bmp | NIST MS 100 OF 100 (112-08- #ions=193 |
| 14. | 22.9 | Docosanoic acid, methyl ester | Methyl docosanoate | 354.619 | [C23H46O2](https://pubchem.ncbi.nlm.nih.gov/search/#collection=compounds&query_type=mf&query=C23H46O2&sort=mw&sort_dir=asc) | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\AGARICUS Scan_873.bmp | NIST MS 1 OF 100 (929-77-1) #ions=191 |
| 15. | 23.7 | Docosanoic acid, ethyl ester | Ethyl docosanoate | 368.646 | [C24H48O2](https://pubchem.ncbi.nlm.nih.gov/search/#collection=compounds&query_type=mf&query=C24H48O2&sort=mw&sort_dir=asc) | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\NIST MS Scan_1 of 100 (5908-87-2.bmp | NIST MS 1 OF 100 (5908-87-2) #ions=161 |
| 16. | 25.15 | 9-octadecenoic acid (Z), 2-butoxyethyl ester | **2-Butoxyethyl (9Z)-9-octadecenoate** | 382.620  | C24H46O3 | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\NIST MS Scan_31 of 100 (109-39-7.bmp | NIST MS 31 OF 100 (109-39-7 #ions=230 |
| 17. | 27.02 | Ethyl tetra cosanoate | Ethyl tetracosanoate | 396.7 | [C26H52O2](https://pubchem.ncbi.nlm.nih.gov/search/#collection=compounds&query_type=mf&query=C26H52O2&sort=mw&sort_dir=asc) | C:\Users\User\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\AGARICUS Scan_1037.bmp | NIST MS 2 OF 100 (24634-95- #ions=187 |

**Table 3-Compounds present in *Agaricus endoxanthus* (AE) extract analysed using GC-MS**