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| Table 6: Structure of GC-MS Analyzed Compounds Obtained from Five Wild Mushrooms | | | |
| Mushroom Spp. | Structure and Name of the Compounds | | |
| *auricula-judae* | Octasiloxane, 1,1,3,3,5,5,7,7,9,9,11,11,13,13,15,15-hexadecamethyl- | Silicic acid, diethyl bis(trimethylsilyl) ester | Di-n-octyl phthalate |
|  | Di-n-decylsulfone | 2-Methyl-6-methylene-octa-1,7-dien-3-ol | 1-Heptanol, 2,4-dimethyl- (R, R)- (+)- |
|  | Cyclohexano, 2,4-dimethyl- | Carbonic acid, methyl octyl ester | (1-Allylcyclopropyl) methanol |
|  | 2-Methyl-1-ethylpyrrolidine | Oxirane, 2,2’-(1,4-dibutanediyl) bis- | 2-Nonanol, 5-ethyl- |
|  | 1-Hexene, 4, 5-dimthyl- | Phenol, 2,6-bis (1,1-dimethylethyl)-4-methyl-, methylcarbamate |  |
| *M. xanthopus* | 1-Heptanol, 2,4-dimethyl-, (2S, 4R) -(-)- | Oxirane, 2,2’-(1,4-butanediyl) bias- | 3-Methyl-2-(2-oxopropyl) furan |
|  | 7-Hexadecenal, (Z)- | 1,2,3,3a-Tetrahydro-7-methyl-10-4-methylphenyl) benzo [c] cyclopenta [f] -1,2-diazepine | Tetradecane, 2,6,10-trimethyl- |
|  | Heptacosane | Didodecyl phthalate | Acetamide, N-[3-(10,11-dihydro-5H-dibenzo [a,d] cyclohepten-5-ylidene)propyl] -2,2,2-triflouro-N-methyl |
|  | 2,2’-Divinylbenzophenone | Trans-1, 1’-Bibenzoindanylidene | 1-Monolinoleoylglycerol trimethylsilyl ether |
| *T. umkowaani* | Butanedioic acid diethyl ester | Octadecanoic acid, ethyl ester | N-Hexadecanoic acid |
|  | Hexadecanoic acid, ethyl ester | i-Propyl hexadecanoate | 9,12-Octadecadienoic acid (Z, Z)- |
|  | 9,12-Octadecadienoic acid, ethyl ester | Isopropyl linoleate | 1-Monolinoleoylglycerol trimethylsilyl ether |
|  | 12-Methyl-E, E-2, 13-Octadecadien-1-ol | 7-Hexadecenal, (Z)- | 1, 2-Benzenedicarboxylic acid, diisooctyl ester |
|  | Tetracosamethyl-cyclododecasiloxane | Heptasiloxane hexadecamethyl |  |
| *T. elegans* | n-Hexadecanoic acid | Oleic acid | Octadecanoic acid |
| *T. versicolor* | Phenol, 2,6-bis (1,1-dimethyl ethyl)-4- methyl, methylcarbamate | N-Hexadecanoic acid | Nonadecane |
|  | 9,12-Octadecadienoic (Z, Z)- | 7-Hexadecenal, (Z)- | 9,12,15-Octadecatrienoic acid, 2-[(trimethylsilyl) oxy]-1-[[(trimethylsilyl) oxy] methyl] ethyl ester (Z, Z, Z)- |
|  | 1-Momolinoleoylglycerol trimethylsilyl ether | 1,2-Benzenedicarboxylic acid, diisooctyl ester |  |