The phytochemical components of *D. trifasciata* chloroform extract were analyzed using GC-MS.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.**  | **Ret.Time (min)** | **Hit# 1** | **Chemical Formula** | **Mol. Weight** | **SI Hit#1**  | **Rel.Area (%)** |
| TIC | TIC | TIC | TIC | TIC | TIC | TIC |
| 1  | 9,98 | Dithiocarbamate, S-methyl-,N-(2-methyl-3-oxobutyl)- | C7H13NOS2 | 191 | 681 | 0,03 |
| 2  | 10,06 | Tetradecane, 2,6,10-trimethyl- | C17H36 | 240 | 772 | 0,34 |
| 3  | 10,18 | Pyrrolidine, 1-(1,6-dioxooctadecyl)- | C22H41NO2 | 351 | 694 | 0,04 |
| 6  | 12,64 | 10-Heptadecen-8-ynoic acid, methyl ester, (E)- | C18H30O2 | 278 | 726 | 0,24 |
| 8  | 12,86 | 1-Hexadecanol, 2-methyl- | C17H36O | 256 | 806 | 0,87 |
| 9  | 12,90 | Eicosyl octyl ether | C28H58O | 410 | 815 | 1,14 |
| 13  | 14,03 | 7-Methyl-Z-tetradecen-1-ol acetate | C17H32O2 | 268 | 717 | 0,01 |
| 14  | 14,06 | a-D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-3-O-(trimethylsilyl)-, cyclic butylboronate | C16H32BNO6Si | 373 | 710 | 0,00 |
| 15  | 14,13 | Ethyl 9-hexadecenoate | C18H34O2 | 282 | 686 | 0,15 |
| 17  | 14,37 | Octadecanal, 2-bromo- | C18H35BrO | 346 | 772 | 0,32 |
| 19  | 15,23 | Hexadecane, 1,1-bis(dodecyloxy)- | C40H82O2 | 594 | 792 | 0,73 |
| 24  | 15,60 | Oxiraneundecanoic acid, 3-pentyl-, methyl ester, trans- | C19H36O3 | 312 | 741 | 1,10 |
| 29  | 16,65 | Estra-1,3,5(10)-trien-17ﬂ-ol | C18H24O | 256 | 727 | 0,41 |
| 30  | 16,79 | Neophytadiene | C20H38 | 278 | 880 | 2,00 |
| 31  | 16,86 | 2-Pentadecanone, 6,10,14-trimethyl- | C18H36O | 268 | 783 | 0,86 |
| 32  | 17,04 | Ethanol, 2-(9-octadecenyloxy)-, (Z)- | C20H40O2 | 312 | 793 | 0,44 |
| 33  | 17,23 | 3,7,11,15-Tetramethyl-2-hexadecen-1-ol | C20H40O | 296 | 814 | 0,60 |
| 35  | 17,67 | Hexadecanoic acid, methyl ester | C17H34O2 | 270 | 940 | 13,88 |
| 36  | 17,74 | Oxiraneundecanoic acid, 3-pentyl-, methyl ester, trans- | C19H36O3 | 312 | 753 | 0,28 |
| 38  | 18,07 | Tetradecane, 2,6,10-trimethyl- | C17H36 | 240 | 771 | 0,90 |
| 39  | 18,11 | Phthalic acid, butyl tetradecyl ester | C26H42O4 | 418 | 678 | 0,41 |
| 43  | 18,33 | Hexadecanoic acid, ethyl ester | C18H36O2 | 284 | 827 | 0,73 |
| 46  | 18,52 | Ethyl iso-allocholate | C26H44O5 | 436 | 780 | 0,25 |
| 47  | 18,64 | Hexadecanoic acid, 14-methyl-, methyl ester | C18H36O2 | 284 | 807 | 0,74 |
| 49  | 19,30 | 9,12-Octadecadienoic acid (Z,Z)-, methyl ester | C19H34O2 | 294 | 891 | 2,67 |
| 50  | 19,35 | cis-13-Octadecenoic acid, methyl ester | C19H36O2 | 296 | 914 | 5,60 |
| 52  | 19,44 | 10-Octadecenoic acid, methyl ester | C19H36O2 | 296 | 792 | 0,62 |
| 54  | 19,58 | Heptadecanoic acid, 16-methyl-, methyl ester | C19H38O2 | 298 | 850 | 17,12 |
| 60  | 20,05 | 7-Methyl-Z-tetradecen-1-ol acetate | C17H32O2 | 268 | 759 | 0,72 |
| 62  | 20,18 | Eicosanoic acid | C20H40O2 | 312 | 759 | 0,72 |
| 64  | 20,41 | cis-10-Nonadecenoic acid | C19H36O2 | 296 | 761 | 0,78 |
| 66  | 20,63 | l-(+)-Ascorbic acid 2,6-dihexadecanoate | C38H68O8 | 652 | 778 | 0,62 |
| 68  | 20,96 | Oxiraneoctanoic acid, 3-octyl-, methyl ester, cis- | C19H36O3 | 312 | 839 | 3,09 |
| 76  | 21,60 | cis-13-Eicosenoic acid | C20H38O2 | 310 | 768 | 3,17 |
| 82  | 22,10 | Glycidyl oleate | C21H38O3 | 338 | 752 | 0,84 |
| 88  | 23,14 | Estra-1,3,5(10)-trien-17ﬂ-ol | C18H24O | 256 | 685 | 1,25 |
| 100  | 25,03 | Hexadecanoic acid, 1-(hydroxymethyl)-1,2-ethanediyl ester | C35H68O5 | 568 | 683 | 0,68 |
| 107  | 25,98 | Oleic acid, 3-(octadecyloxy)propyl ester | C39H76O3 | 592 | 685 | 1,52 |
| 108  | 26,70 | 4H-Cyclopropa[5',6']benz[1',2':7,8]azuleno[5,6-b]oxiren-4-one, 8,8a-bis(acetyloxy)-2a-[(acetyloxy)methyl]-1,1a,1b,1c,2a,3,3a,6a,6b,7,8,8a-dodecahydro-3,3a,6b-trihydroxy-1,1,5,7-tetramethyl- | C26H34O11 | 522 | 660 | 0,98 |
| 110  | 27,66 | Hexadecanoic acid, 1a,2,5,5a,6,9,10,10a-octahydro-5,5a-dihydroxy-4-(hydroxymethyl)-1,1,7,9-tetramethyl-11-oxo-1H-2,8a-methanocyclopenta[a]cyclopropa[e]cyclodecen-6-yl ester, [1aR-(1aa,2a,5ﬂ,5aﬂ,6ﬂ,8aa,9a,10aa)]- | C36H58O6 | 586 | 625 | 0,14 |
| 111  | 27,85 | 9-Desoxo-9-x-acetoxy-3,8,12-tri-O-acetylingol | C28H40O10 | 536 | 661 | 1,28 |
| 113  | 28,45 | Methyl glycocholate, 3TMS derivative | C36H69NO6Si3 | 695 | 651 | 1,16 |
| 114  | 29,24 | Propanoic acid, 2-(3-acetoxy-4,4,14-trimethylandrost-8-en-17-yl)- | C27H42O4 | 430 | 603 | 2,14 |
| 119  | 30,99 | 8,14-Seco-3,19-epoxyandrostane-8,14-dione, 17-acetoxy-3ﬂ-methoxy-4,4-dimethyl- | C24H36O6 | 420 | 641 | 1,05 |
| 120  | 31,92 | Stigmasterol | C29H48O | 412 | 673 | 0,95 |

Note: TIC = Total Ion Chromatogram, SI: Similarity index, min: minutes

The phytochemical components of *D. trifasciata* ethanolic extract were analyzed using GC-MS.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.**  | **Ret.****Time (min)** | **Hit# 1** | **Chemical Formula** | **Mol. Weight** | **SI Hit#1**  | **Rel.Area (%)**  |
| TIC | TIC | TIC | TIC | TIC | TIC | TIC |
| 1  | 4,26 | 10-Methyl-E-11-tridecen-1-ol propionate | C17H32O2 | 268 | 669 | 0,29 |
| 2  | 5,13 | 2-Acetylamino-3-hydroxy-propionic acid | C5H9NO4 | 147 | 624 | 0,91 |
| 4  | 5,31 | Chlorozotocin | C9H16ClN3O7 | 313 | 637 | 0,00 |
| 5  | 5,57 | Cyclopropanetetradecanoic acid, 2-octyl-, methyl ester | C26H50O2 | 394 | 651 | 0,23 |
| 6  | 5,62 | d-Glycero-d-ido-heptose | C7H14O7 | 210 | 666 | 0,24 |
| 7  | 7,64 | Methyl 6-oxoheptanoate | C8H14O3 | 158 | 694 | 1,17 |
| 9  | 9,31 | Desulphosinigrin | C10H17NO6S | 279 | 699 | 0,68 |
| 13  | 9,83 | 7,10-Epoxytricyclo[4.2.1.1(2,5)]decane, 1-trimethylsilyl- | C13H22OSi | 222 | 634 | 0,82 |
| 15  | 11,40 | Pterin-6-carboxylic acid | C7H5N5O3 | 207 | 722 | 0,31 |
| 16  | 11,76 | 1-(3,6,6-Trimethyl-1,6,7,7a-tetrahydrocyclopenta[c]pyran-1-yl)ethanone | C13H18O2 | 206 | 832 | 1,07 |
| 18  | 12,12 | [1,1'-Bicyclopropyl]-2-octanoic acid, 2'-hexyl-, methyl ester | C21H38O2 | 322 | 741 | 0,02 |
| 19  | 12,61 | 12,15-Octadecadiynoic acid, methyl ester | C19H30O2 | 290 | 762 | 0,32 |
| 21  | 12,82 | d-Mannose | C6H12O6 | 180 | 733 | 0,92 |
| 24  | 12,96 | Melezitose | C18H32O16 | 504 | 721 | 0,64 |
| 27  | 13,62 | Paromomycin | C23H45N5O14 | 615 | 723 | 0,43 |
| 32  | 16,38 | 5,6,6-Trimethyl-5-(3-oxobut-1-enyl)-1-oxaspiro[2.5]octan-4-one | C14H20O3 | 236 | 694 | 0,27 |
| 33  | 16,79 | Neophytadiene | C20H38 | 278 | 824 | 2,15 |
| 34  | 16,86 | 7-Methyl-Z-tetradecen-1-ol acetate | C17H32O2 | 268 | 785 | 0,74 |
| 37  | 17,15 | 9-Octadecenoic acid, (2-phenyl-1,3-dioxolan-4-yl)methyl ester, cis- | C28H44O4 | 444 | 734 | 0,01 |
| 38  | 17,23 | Ethanol, 2-(9-octadecenyloxy)-, (Z)- | C20H40O2 | 312 | 788 | 0,83 |
| 40  | 17,67 | Hexadecanoic acid, methyl ester | C17H34O2 | 270 | 917 | 7,50 |
| 41  | 18,10 | n-Hexadecanoic acid | C16H32O2 | 256 | 853 | 12,40 |
| 42  | 18,19 | Estra-1,3,5(10)-trien-17ﬂ-ol | C18H24O | 256 | 768 | 0,01 |
| 48  | 19,30 | 9,12-Octadecadienoic acid, methyl ester, (E,E)- | C19H34O2 | 294 | 863 | 1,97 |
| 49  | 19,35 | trans-13-Octadecenoic acid, methyl ester | C19H36O2 | 296 | 903 | 4,71 |
| 50  | 19,40 | 10-Octadecenoic acid, methyl ester | C19H36O2 | 296 | 787 | 0,43 |
| 52  | 19,52 | Phytol | C20H40O | 296 | 857 | 4,91 |
| 53  | 19,57 | Methyl stearate | C19H38O2 | 298 | 920 | 8,77 |
| 54  | 19,73 | Hexadecanoic acid, 1-(hydroxymethyl)-1,2-ethanediyl ester | C35H68O5 | 568 | 763 | 0,85 |
| 55  | 19,90 | Ethyl 9.cis.,11.trans.-octadecadienoate | C20H36O2 | 308 | 847 | 2,68 |
| 56  | 19,96 | 9,12,15-Octadecatrienoic acid, 2,3-dihydroxypropyl ester, (Z,Z,Z)- | C21H36O4 | 352 | 798 | 1,45 |
| 57  | 20,17 | Eicosanoic acid | C20H40O2 | 312 | 709 | 0,53 |
| 60  | 20,95 | Oxiraneoctanoic acid, 3-octyl-, methyl ester, cis- | C19H36O3 | 312 | 826 | 2,19 |
| 61  | 21,17 | Ethyl iso-allocholate | C26H44O5 | 436 | 767 | 1,27 |
| 62  | 21,59 | cis-13-Eicosenoic acid | C20H38O2 | 310 | 748 | 3,28 |
| 64  | 22,09 | Glycidyl oleate | C21H38O3 | 338 | 723 | 0,52 |
| 76  | 24,65 | Hexa-t-butylselenatrisiletane | C24H54SeSi3 | 506 | 611 | 3,73 |
| 77  | 25,01 | Hexadecanoic acid, 1a,2,5,5a,6,9,10,10a-octahydro-5,5a-dihydroxy-4-(hydroxymethyl)-1,1,7,9-tetramethyl-11-oxo-1H-2,8a-methanocyclopenta[a]cyclopropa[e]cyclodecen-6-yl ester, [1aR-(1aa,2a,5ﬂ,5aﬂ,6ﬂ,8aa,9a,10aa)]- | C36H58O6 | 586 | 645 | 0,42 |
| 80  | 25,87 | Spirost-8-en-11-one, 3-hydroxy-, (3ﬂ,5a,14ﬂ,20ﬂ,22ﬂ,25R)- | C27H40O4 | 428 | 631 | 0,59 |
| 84  | 27,99 | 9-Desoxo-9-x-acetoxy-3,8,12-tri-O-acetylingol | C28H40O10 | 536 | 654 | 0,36 |
| 85  | 29,20 | Propanoic acid, 2-(3-acetoxy-4,4,14-trimethylandrost-8-en-17-yl)- | C27H42O4 | 430 | 632 | 2,03 |
| 86  | 29,33 | Octasiloxane, 1,1,3,3,5,5,7,7,9,9,11,11,13,13,15,15-hexadecamethyl- | C16H50O7Si8 | 578 | 640 | 0,01 |
| 87  | 31,71 | Methyl glycocholate, 3TMS derivative | C36H69NO6Si3 | 695 | 662 | 1,42 |

Note: TIC = Total Ion Chromatogram, SI: Similarity index, min: minutes