Supplementary Table S1. List of compounds indicated on the total ion chromatogram of the extract *D. setosum* that were putatively identified using the DNP database. Peak IDs used in this table correspond to those designated for the chromatogram shown in Figure 5**.**

Peak ID	Retention time (Rt, min)	MS (m/z)	Chemical formula	Molecular weight	Compounds
1	1.34	162.1127	$C_7H_{15}NO_3$	161.1054	2-Aminoethanol; N-tert-Butyloxycarbonyl
2	1.58	162.0764	$C_6H_{11}NO_4$	161.0691	2-Aminohexanedioic acid
3	2.03	243.0975	$C_{10}H_{14}N_2O_5$	242.0902	Antibiotic SF 1774
4	2.24	165.0760	$C_6H_{12}O_5$	164.0688	Fucose; L-form
5	3.30	189.1489	$C_{10}H_{20}O_3$	188.1416	8-Decene-1,3,5-triol
6	5.35	203.1648	$C_{11}H_{22}O_3$	202.1571	3-Hydroxyundecanoic acid
7	7.72	265.1289	$C_{12}H_{24}O_2S_2$	264.1216	Hedathiosulfonic acid A
8	15.10	237.1132	$C_{13}H_{18}O_4$	238.1205	4-Hydroxyphenylacetic acid;O-(2S-Hydroxy-3- methylbutyl)
9	15.31	251.1289	$C_{14}H_{20}O_4$	252.1361	2,7-Dihydroxy-13-nor-1(10)-nardosinen-11-one; (2β,6β)- form, 1α,10α-Epoxide, 7- ketone
10	18.33	527.2531	$C_{23}H_{44}O_{11}S$	528.2603	1-O-(6-Deoxy-6-sulfoglucopyranosyl)glycerol; α-D-form, 3-Tetradecanoyl
11	21.38	557.2982	$C_{28}H_{46}O_{11}$	558.3055	7(14)-Bisabolene-1,2,3,4,5,8,10,11-octol; 2- Angeloyl, 5,8-bis-O-(2-methylpropanoyl)
12	22.0	555.2846	$C_{25}H_{48}O_{11}S$	556.2919	1-O-(6-Deoxy-6-sulfoglucopyranosyl)glycerol; α-D-form, 3-Hexadecanoyl
13	22.35	555.2846	$C_{17}H_{28}O_4$	296.1987	Acaranoic acid; 1',3-Didehydro
14	22.56	457.2945	$C_{28}H_{40}O_5$	456.2873	4(3→2)-Abeo-2-hydroxy-4,7-dioxoergosta-5,22-dien-3-oic acid
15	23.72	279.2318	$C_{18}H_{30}0_2$	278.2245	2-Acetyl-5-dodecylfuran
16	24.24	425.3050	$C_{28}H_{40}O_3$	424.2977	3-(Chloromethylene)-2,3- dihydro-1-benzoxepin-7- methanol; (E)-form, Dechloro, 9Z-hexadecenoyl
17	25.67	319.2261	$C_{20}H_{30}O_3$	318.2188	12-Hydroxy-5,8,10,14,17- eicosapentaenoic acid; (5Z,8Z,10E,12R,14Z,17Z)- form
18	26.54	425.2682	$C_{27}H_{36}O_4$	424.2609	Adriaticone
19	28.61	522.3562	$C_{33}H_{47}NO_4$	521.3489	Anthcolorin A; 3-Epimer, 3-hydroxy
20	28.68	353.3055	$C_{22}H_{42}O_3$	354.3128	2-Hydroxy-13-docosenoicacid; (Z)-form
21	31.96	465.3040	$C_{27}H_{46}O_4S$	466.3113	Cholest-5-en-3-ol; 3β-form, 3-O-Sulfate

22	38.69	284.2947	$C_{18}H_{37}NO$	283.2875	8-[(1-Ethyl-2-methylenepentyl)oxy]-3,6-dimethyl-1-octanamine

Supplementary Table S2. List of compounds indicated on the total ion chromatogram of the extract *S. lanceolata* that were putatively identified using the DNP database. Peak IDs used in this table correspond to those designated for the chromatogram shown in Figure 7.

Peak ID	Retention time (Rt, min)	MS (m/z)	Chemical formula	Molecular weight	Compounds
1	1.33	205.0686	$C_{12}H_{12}OS$	204.0613	8-(2-Thienyl)-3,5-octadien-7-yn-1-ol
2	1.31	217.0630	$C_9H_{15}O_4P$	218.0704	(3-Methyloxiranyl)phosphonic acid; (2RS,3SR)-form, Di-2- propenyl ester
3	1.80	227.0928	$C_{11}H_{16}O_5$	228.1000	1-(3,5-Dihydroxyphenyl)-1,2,3- propanetriol; (1R,2S)-form, 1,3'- Di-Me ether
4	2.10	169.0252	$C_6H_6N_2O_4$	170.0324	2,6-Dihydroxy-4-pyrimidinecarboxylic acid; NH- form, N1-Me
5	6.52	433.2384	$C_{28}H_{34}O_4$	434.2457	Scutione; 20α-Hydroxy
6	6.87	593.1931	$C_{34}H_{30}N_2O_8$	594.2005	Cannabisin A
7	7.71	449.1083	$C_{21}H_{20}O_{11}$	448.1011	Astragalin
8	8.66	507.1502	$C_{24}H_{28}O_{12}$	508.1575	Antirrhinoside; 5-Epimer, 6'-O- (4-hydroxy-Z-cinnamoyl)
9	8.66	431.1288	$C_{10}H_{18}O_3$	432.1360	3,7-Dimethyl-1,6-octadien-3-ol; (ξ)-form, 5,10-Dihydroxy
10	10.46	461.1422	$C_{13}H_{18}O$	462.1495	2,4,5,7a-Tetrahydro-1,4,4,7a- tetramethyl-1H-inden-2-ol; 8 Ketone
11	11.13	285.0606	$C_9H_{13}NO_2$	286.0677	Epinine
12	18.16	721.4164	$C_{40}H_{58}N_4O_8$	722.4238	Antanapeptin D
13	18.16	447.1248	$C_{10}H_{20}O_3$	448.1321	5-Hydroxyoctanoic acid; (±)- form, Et ester
14	21.87	571.3291	$C_{33}H_{48}O_8$	572.3364	Acutaxyline B; 25-Hydroxy, 7- Ac
15	24.86	617.4213	$C_{10}H_{15}NO_3$	618.4286	Normetanephrine; (R)-form, N- Me
16	25.37	617.4215	$C_{10}H_{15}NO_3$	618.4288	Scopine; O-Ac
17	25.34	617.4274	$C10H_{15}NO_3$	618.4348	Tenuazonic acid
18	25.32	617.4276	$C_{10}H_{15}NO_3$	618.4349	2,3,5,7a-Tetrahydro-1-hydroxy-1H-pyrrolizine-7-methanol; (7R,8R)-form, 7-Ac
19	30.17	593.2762	$C_{34}H_{40}O_9$	592.2689	17-Hydroxyingenol; 17-Benzoyl, 3-angeloyl, 5-Ac
20	32.49	607.2921	$C_{36}H_{38}N_4O_5$	606.2848	Phaeophorbide a; 10-Epimer, 3''- Me ester
21	37.90	703.2372	$C_{34}H_{44}N_2O_{10}S_2$	704.2445	Antibiotic Sch 64874