

Table S2. Compounds identified in SS by HPLC-TOF/MS.

No	t _R (min)	Molecular formula	Ion mode	Mass (m/z)			Identification	Source ^a
				Measured (m/z)	Calculated (m/z)	Error (ppm)		
1	10.985	C ₂₃ H ₃₂ O ₁₅	[M-H] ⁻	547.1687	547.1668	3.47	Sibiricose A1	RP
2	16.246	C ₂₄ H ₂₆ O ₁₄	[M-H] ⁻	537.1223	537.125	-5.03	Sibircaxanthone A	RP
3	17.399	C ₂₅ H ₂₈ O ₁₅	[M-H] ⁻	567.138	567.1355	4.41	Polygalaxanthone III	RP
4	20.037	C ₃₀ H ₃₆ O ₁₇	[M-H] ⁻	667.1686	667.188	0.89	Tenuifoliside B	RP
5	21.911	C ₁₂ H ₁₆ O ₄	[M+H] ⁺	225.1126	225.1121	2.22	Acoramone	AT
6	22.476	C ₂₆ H ₃₀ O ₁₅	[M-H] ⁻	581.1558	581.1512	7.92	Polygalaxanthone V	RP
7	22.893	C ₂₇ H ₃₂ O ₁₆	[M-H] ⁻	611.1588	611.1618	-4.91	Polygalaxanthone VII	RP
8	23.519	C ₃₄ H ₄₂ O ₁₉	[M-H] ⁻	753.225	753.2248	0.26	3, 6'-disinapoyl sucrose (DSS)	RP
9	24.363	C ₃₃ H ₄₀ O ₁₈	[M-H] ⁻	723.2136	723.2142	-0.83	Sucrose 10	RP
10	26.668	C ₃₀ H ₃₆ O ₁₆	[M-H] ⁻	651.1942	651.1931	1.69	Sucrose 8	RP
11	26.752	C ₃₀ H ₃₆ O ₁₆	[M-H] ⁻	651.1951	651.1931	3.07	3'-sinapoyl-6-benzoyl sucrose	RP
12	27.536	C ₆₆ H ₈₄ O ₃₈	[M-H] ⁻	1483.459	1483.457	1.34	Tenuifoliose G	RP
13	27.804	C ₃₁ H ₃₈ O ₁₇	[M-H] ⁻	681.2054	681.2036	2.64	Tenuifoliside A	RP
14	29.324	C ₃₄ H ₄₂ O ₁₈	[M-H] ⁻	737.232	737.2298	2.98	Sucrose 18	RP
15	30.476	C ₃₅ H ₄₄ O ₁₉	[M-H] ⁻	767.2406	767.2404	0.26	Tenuifoliside C	RP
16	31.545	C ₆₈ H ₈₆ O ₃₉	[M-H] ⁻	1525.473	1525.467	3.67	Tenuifoliose F	RP
17	31.645	C ₆₇ H ₈₄ O ₃₈	[M-H] ⁻	1495.456	1495.457	-0.47	Tenuifoliose L	RP
18	32.747	C ₆₇ H ₇₀ O ₃₂	[M-H] ⁻	1265.382	1265.378	3	Tenuifoliose K	RP
19	33.559	C ₅₈ H ₇₂ O ₃₃	[M-H] ⁻	1295.394	1295.388	4.71	Tenuifoliose C	RP
20	33.683	C ₃₅ H ₄₂ O ₁₉	[M-H] ⁻	765.223	765.2248	-2.35	Sucrose 12	RP
21	34.117	C ₅₉ H ₇₄ O ₃₄	[M-H] ⁻	1325.405	1325.399	4.83	Tenuifoliose P	RP
22	34.561	C ₁₀ H ₁₂ O ₄	[M+H] ⁺	197.0817	197.0808	4.57	Asaronaldehyde	AT
23	37.758	C ₅₃ H ₈₄ O ₂₄	[M-H] ⁻	1103.525	1103.528	-2.81	Polygalasaponin XXVIII	RP
24	39.244	C ₆₁ H ₇₆ O ₃₅	[M-H] ⁻	1367.414	1367.409	3.07	Tenuifoliose O	RP
25	39.651	C ₆₁ H ₇₄ O ₃₄	[M-H] ⁻	1349.395	1349.399	-2.59	Tenuifoliose H	RP
26	40.697	C ₆₉ H ₁₀₂ O ₃₀	[M-H] ⁻	1409.414	1409.411	2.34	Onjisaponin Y	RP
27	43.055	C ₅₉ H ₇₂ O ₃₃	[M-H] ⁻	1307.382	1307.388	-4.82	Tenuifoliose I	RP
28	43.456	C ₆₀ H ₇₄ O ₃₄	[M-H] ⁻	1337.394	1337.399	-3.81	Tenuifoliose B	RP
29	44.873	C ₇₆ H ₁₁₄ O ₃₇	[M-H] ⁻	1617.693	1617.697	-2.04	Onjisaponin R	RP
30	45.508	C ₇₇ H ₁₁₆ O ₃₇	[M-H] ⁻	1631.715	1631.712	1.72	Onjisaponin O	RP
31	45.608	C ₇₅ H ₁₁₂ O ₃₅	[M-H] ⁻	1571.687	1571.691	-2.8	Onjisaponin B	RP
32	45.741	C ₇₉ H ₁₁₈ O ₃₈	[M-H] ⁻	1673.733	1673.723	6.27	Tenuifolioside A	RP
33	45.908	C ₇₁ H ₁₀₆ O ₃₃	[M-H] ⁻	1485.659	1485.654	2.83	Onjisaponin E	RP
34	46.142	C ₇₅ H ₁₁₂ O ₃₆	[M-H] ⁻	1587.695	1587.695	-0.25	Onjisaponin F	RP
35	50.368	C ₃₀ H ₄₄ O ₅	[M-H] ⁻	483.3106	483.3116	-2.07	Poricoic acid B	PRP
36	50.936	C ₃₁ H ₄₆ O ₅	[M-H] ⁻	497.3296	497.3272	4.83	Poricoic acid A	PRP
37	51.065	C ₃₀ H ₄₆ O ₅	[M-H] ⁻	485.3248	485.3272	-4.94	Poricoic acid G	PRP
38	51.394	C ₁₂ H ₁₆ O ₃	[M+H] ⁺	209.1177	209.1172	2.39	α-Asarone	AT
39	51.482	C ₃₀ H ₄₆ O ₄	[M-H] ⁻	469.3284	469.3284	0	3β, 16α-Dihydroxy-lanosta-7, 9 (11), 24-trien-21-oic acid	PRP
40	53.217	C ₃₂ H ₅₀ O ₅	[M-H] ⁻	513.3574	513.3585	-2.14	3-O-acetyl-16α- hydroxytrametenolic acid	PRP
41	53.975	C ₃₃ H ₅₂ O ₅	[M-H] ⁻	527.3712	527.3742	-5.69	Pachymic acid	PRP
42	54.938	C ₂₄ H ₃₂ O ₆	[M+Na] ⁺	439.2114	439.2041	-6.14	Diasarone I	AT
43	56.314	C ₃₀ H ₄₆ O ₃	[M-H] ⁻	453.3375	453.3374	0.22	Dehydrotrametenolic acid	PRP
44	56.409	C ₃₆ H ₄₈ O ₉	[M+Na] ⁺	647.3214	647.3191	3.55	Tatarinan A	AT
45	57.115	C ₃₀ H ₄₈ O ₃	[M-H] ⁻	455.3555	455.3531	5.27	Trametenolic acid	PRP

^aRP = Radix Polygalae; AT = Rhizoma Acori Tatarinowii; PRP = Poria cum Radix Pini.