

Table S1. HPLC–MS/MS data in the negative ion mode of identified in EDG

No.	t _R (min)	Identification	[M-H] ⁻ m/z	Formula	Diff (ppm)	Fragment ions in the negative mode with the energy 50V CID
1	6.809	unknown	447.1559	C ₃₀ H ₂₄ O ₄	9.56	447.1559, 388.1991, 285.1149, 225.0921, 165.0562, 119.0503
2	8.531	unknown	489.1621	C ₂₁ H ₃₀ O ₁₃	-1.50	489.1621, 397.8348, 325.7311, 257.5429, 165.0581, 119.0182
3	9.037	phenethanol- β -vicianoside	415.1628	C ₁₉ H ₂₈ O ₁₀	1.80	[M-H] ⁻ 415.1628 [M-H-glc] ⁻ 253.1944
4	20.189	unknown	285.1148	C ₁₇ H ₁₈ O ₄	-5.48	285.1148, 267.1865, 255.0963, 183.0654, 155.8184, 119.0494
5	21.775	Ophiofurospiside I	1079.5309	C ₄₇ H ₈₄ O ₂₇	-3.03	[M-H] ⁻ 1079.5309 [M-H-glc] ⁻ 917.4634 [M-H-glc-rha] ⁻ 771.4176 [M-H-glc-rha-H ₂ O] ⁻ 753.4068 [M-H-2glc-rha-H ₂ O] ⁻ 591.3511 [M-H-3glc-rha-H ₂ O] ⁻ 429.3023

6	22.113	Ophiopogonin L	1065.5123	C ₅₀ H ₈₂ O ₂₄	-2.88	[M-H] ⁻ 1065.5123
						[M-H-xyl] ⁻ 933.4681
						[M-H-glc] ⁻ 903.4547
						[M-H-xyl-glc] ⁻ 771.4294
						[M-H-xyl-glc-H ₂ O] ⁻ 753.4184
7	22.383	Asparoside A	1079.5212	C ₅₁ H ₈₄ O ₂₄	2.55	[M-H] ⁻ 1079.5212
						[M-H-glc] ⁻ 917.4739
						[M-H-glc-rha] ⁻ 771.4256;
						[M-H-glc-rha-H ₂ O] ⁻ 753.3938
8	23.160	(25 <i>S</i>)-26- <i>O</i> -β-D-glucopyranosyl-5β-furostane-3β,26-diol-22α-methoxy-3- <i>O</i> -β-D-glucopyranosyl-(1→2)-β-D-glucopyranoside	979.4647	C ₄₅ H ₇₄ O ₂₀	1.61	[M-H+COOH] ⁻ 979.4734
						[M-H] ⁻ 933.4699
						[M-H-glc] ⁻ 771.4183
						[M-H-glc-H ₂ O] ⁻ 753.4096
						[M-H-2glc-H ₂ O] ⁻ 591.3396
						[M-H-3glc-H ₂ O] ⁻ 429.3081
9	23.396	Ophiofurospiside F	979.4697	C ₄₅ H ₇₄ O ₂₀	1.36	[M-H] ⁻ 933.4641
						[M-H-rha] ⁻ 787.4066
						[M-H-rha-H ₂ O] ⁻ 769.3870
						[M-H-rha-glc-H ₂ O] ⁻ 607.3527
						[M-H-rha-2glc-H ₂ O] ⁻ 445.3106

10	26.291	Ophiopigonin K	1095.5263	C ₅₁ H ₈₄ O ₂₅	-3.11	[M-H] ⁻ 1095.5263
						[M-H-H ₂ O] ⁻ 1077.4950
						[M-H-H ₂ O-glc] ⁻ 915.4415
						[M-H-H ₂ O-2glc] ⁻ 753.3695
						[M-H-H ₂ O-2glc-rha] ⁻ 607.5663
11	27.506	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furostane-5,20-diene-3 β ,26-diol-3- <i>O</i> - α -L-rhamnopyranosyl(1 \rightarrow 4)- β -D-glucopyranoside	1061.5294	C ₅₄ H ₇₈ O ₂₁	-4.72	[M-H] ⁻ 1061.5294
						[M-H-rha] ⁻ 915.4752
						[M-H-rha-H ₂ O] ⁻ 897.4363
						[M-H-2rha-H ₂ O] ⁻ 751.4153
						[M-H-2rha-glc-H ₂ O] ⁻ 589.3372
12	28.148	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furostane-22methoxy,3 β ,26-diol-3- <i>O</i> -[α -L-rhamnopyranosyl(1 \rightarrow 2)- β -D-xylopyranosyl(1 \rightarrow 4)]- β -D-glucopyranoside	1047.4923	C ₅₁ H ₈₄ O ₂₂	-7.52	[M-H] ⁻ 1047.4923
						[M-H-xyl] ⁻ 915.4539
						[M-H-xyl-rha] ⁻ 769.4610
						[M-H-xyl-rha-H ₂ O] ⁻ 751.3687
						[M-H-xyl-rha-glc-H ₂ O] ⁻ 589.3231
13	28.621	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furostane-22methoxy,3 β ,26-diol-3- <i>O</i> - α -L-rhamnopyranosyl (1 \rightarrow 6)- β -D-glucopyranoside	915.4535	C ₄₆ H ₇₆ O ₁₈	-1.11	[M-H] ⁻ 915.4535
						[M-H-H ₂ O] ⁻ 897.4897
						[M-H-rha-H ₂ O] ⁻ 751.4037
						[M-H-rha-glc-H ₂ O] ⁻ 589.3420

14	28.891	Ophiofurospiside J	917.4702	C ₄₅ H ₇₄ O ₁₉	0.94	[M-H] ⁻ 917.4702 [M-H-glc] ⁻ 755.4252 [M-H-2glc] ⁻ 593.3525 [M-H-3glc] ⁻ 431.4809 [M-H] ⁻ 1211.5714 [M-H-glc] ⁻ 1049.4913 [M-H-glc-xyl] ⁻ 917.4761
15	29.228	Ophiofurospiside C	1211.5714	C ₅₆ H ₉₂ O ₂₈	-0.96	[M-H-glc-xyl-H ₂ O] ⁻ 899.4725 [M-H-glc-xyl-rha-H ₂ O] ⁻ 753.1404 [M-H-2glc-xyl-rha-H ₂ O] ⁻ 591.4125 [M-H-3glc-xyl-rha-H ₂ O] ⁻ 429.5175
16	29.600	(25 <i>R</i>)-26- <i>O</i> -β-D-glucopyranosyl(1→6)-furost-5ene-3β,17α,22α,26-tetrol-3- <i>O</i> -α-L-rhamnopyranosyl (1→2)- <i>O</i> -β-D-glucopyranosyl	1079.5309	C ₅₁ H ₈₄ O ₂₄	2.41	[M-H] ⁻ 1079.5309 [M-H-H ₂ O] ⁻ 1061.5044 [M-H-H ₂ O-glc] ⁻ 899.4575 [M-H-H ₂ O-glc-rha] ⁻ 753.3976 [M-H-H ₂ O-2glc-rha] ⁻ 591.3551 [M-H-H ₂ O-2glc-rha] ⁻ 429.5311
17	30.309	ASP VII	1049.5170	C ₅₀ H ₈₂ O ₂₃	2.75	[M-H] ⁻ 1049.5170; [M-H-xyl] ⁻ 917.4718 [M-H-xyl-rha] ⁻ 771.4110 [M-H-xyl-rha-H ₂ O] ⁻ 753.4409 [M-H-xyl-rha-glc-H ₂ O] ⁻ 591.3535 [M-H-xyl-rha-2glc-H ₂ O] ⁻ 429.2825

						[M-H] ⁻ 1211.5714
						[M-H-xyl] ⁻ 1079.5076
						[M-H-rha] ⁻ 1065.4943
18	30.781	Ophiopigoin J	1211.5714	C ₅₆ H ₉₂ O ₂₈	-0.96	[M-H-glc] ⁻ 1049.4982
						[M-H-xyl-glc] ⁻ 917.4617
						[M-H-xyl-glc-rha] ⁻ 771.3982
						[M-H-xyl-rha-2glc] ⁻ 609.3750
						[M-H-xyl-rha-3glc] ⁻ 447.6868
		(25S)-26- <i>O</i> -β-D-glucopyranosyl-5β-furostane-3β,22α,26-triol-12-one-3- <i>O</i> -α-L-rhamnopyranosyl (1→4)-β-D-glucopyranoside	917.4763	C ₄₅ H ₇₄ O ₁₉	1.37	[M-H] ⁻ 917.4763
19	31.288					[M-H-rha] ⁻ 771.4251
						[M-H-rha-H ₂ O] ⁻ 753.4038
						[M-H-rha-glc-H ₂ O] ⁻ 591.3599
						[M-H-rha-glc-H ₂ O] ⁻ 429.2953
		(25R)-26- <i>O</i> -β-D-glucopyranosyl(1→4)-furost-5ene-3β,17α,22α,26-tetrol-3- <i>O</i> -α-L-rhamnopyranosyl (1→2)- <i>O</i> -β-D-glucopyranoside	1079.5309	C ₅₁ H ₈₄ O ₂₄	2.5	[M-H] ⁻ 1079.5309
20	31.220					[M-H-glc] ⁻ 917.4634
						[M-H-glc-rha] ⁻ 771.4099
						[M-H-glc-rha-H ₂ O] ⁻ 753.3957
						[M-H-2glc-rha-H ₂ O] ⁻ 591.3491
						[M-H-3glc-rha-H ₂ O] ⁻ 429.3353
						[M-H] ⁻ 933.4633
21	31.625	Ophiofurospiside F	933.4633	C ₄₅ H ₇₄ O ₂₀	1.98	[M-H-H ₂ O] ⁻ 915.4590
						[M-H-2H ₂ O] ⁻ 897.4075
						[M-H-rha-2H ₂ O] ⁻ 751.3851
						[M-H-rha-glc-2H ₂ O] ⁻ 589.3272
						[M-H-rha-2glc-2H ₂ O] ⁻ 427.9021

22	31.693	Ophiopigonin N	1211.5685	C ₅₆ H ₉₂ O ₂₈	1.43	[M-H] ⁻ 1211.5685
						[M-H-xyl] ⁻ 1079.5112
						[M-H] ⁻ 1079.5221
		(25 <i>R</i>)-26- <i>O</i> -β-D-glucopyranosyl(1→6)-				[M-H-glc] ⁻ 917.4705
23	32.064	furost-5ene-3β,17α,22α,26-tetrol-3- <i>O</i> -α-L-	1079.5221	C ₅₁ H ₈₄ O ₂₄	3.68	[M-H-glc-rha] ⁻ 771.4135
		rhamnopyranosyl(1→4)- <i>O</i> -β-D-				[M-H-glc-rha-H ₂ O] ⁻ 753.4035
		glucopyranoside				[M-H-2glc-rha-H ₂ O] ⁻ 591.3513
						[M-H-3glc-rha-H ₂ O] ⁻ 429.2999
24	32.098	Ophiopogonin K'	1177.5060	C ₅₆ H ₉₀ O ₂₆	1.05	[M-H] ⁻ 1177.5060
						[M-H+COOH] ⁻ 1095.5263
						[M-H] ⁻ 1049.5114
						[M-H-rha-H ₂ O] ⁻ 885.4546
25	33.853	Ophiofurospiside L	1049.5114	C ₅₀ H ₈₂ O ₂₃	2.87	[M-H-rha-xyl-H ₂ O] ⁻ 753.3936
						[M-H-rha-xyl-glc-H ₂ O] ⁻ 591.2398
						[M-H-rha-xyl-2glc-H ₂ O] ⁻ 429.4802
						[M-H+COOH] ⁻ 963.4841
						[M-H] ⁻ 917.4581
26	34.326	Ophiopogonin B	917.4581	C ₄₅ H ₇₄ O ₁₉	4.64	[M-H-glc] ⁻ 755.7322
						[M-H-glc-rha] ⁻ 609.5523
						[M-H-2glc-rha] ⁻ 447.2838
						[M-H+COOH] ⁻ 1095.5263
						[M-H] ⁻ 1049.5075
						[M-H-xyl] ⁻ 917.4602
27	35.305	Ophioponin I	1049.5075	C ₅₀ H ₈₂ O ₂₃	-3.4	[M-H-xyl-rha] ⁻ 771.4091
						[M-H-xyl-rha-glc] ⁻ 609.3462
						[M-H-xyl-rha-2glc] ⁻ 447.2930

						[M-H] ⁻ 917.4655
						[M-H-H ₂ O] ⁻ 899.4460
28	35.879	Ophiofurospiside M	917.4655	C ₄₅ H ₇₄ O ₁₉	-3.77	[M-H-rha] ⁻ 771.4094
						[M-H-rha-H ₂ O] ⁻ 753.3999
						[M-H-rha-glc-H ₂ O] ⁻ 591.3503
						[M-H-rha-2glc-H ₂ O] ⁻ 429.2931
						[M-H+COOH] ⁻ 1095.5232
						[M-H] ⁻ 1049.5175
29	36.588	Ophiofurospiside H	1049.5175	C ₅₀ H ₈₂ O ₂₃	-0.29	[M-H-xyl] ⁻ 917.4774
						[M-H-xyl] ⁻ 917.4774
						[M-H-xyl-rha] ⁻ 771.2968
30	36.824	Ophioponin Q	1211.5734	C ₅₆ H ₉₂ O ₂₈	-2.61	[M-H] ⁻ 1211.5734
						[M-H-glc] ⁻ 1049.5128
31	37.466	L-borneol-7- <i>O</i> -[β -D-apiofuranosyl- (1 \rightarrow 6)]- β -D-glucopyranoside	447.2210	C ₂₁ H ₃₆ O ₁₀	-5.69	[M-H] ⁻ 447.2210
						[M-H-glc] ⁻ 285.5382
32	39.154	(22 <i>S</i>)-cholest-5-ene-1 β ,3 β ,16 β ,22-tetraol- 1- <i>O</i> - α -L-rhamnopyrnanoside-16- <i>O</i> - β -D- glucopyranoside	741.4370	C ₄₆ H ₆₂ O ₈	-2.19	[M-H] ⁻ 741.4370
						[M-H-glc] ⁻ 579.3829
						[M-H-glc-rha] ⁻ 433.3309

33	39.289	Ophiopogonin M	1081.5468	C ₅₀ H ₈₂ O ₂₅	-2.19	[M-H] ⁻ 1081.5468 [M-H-glc] ⁻ 919.5013 [M-H-glc-glc] ⁻ 757.4425
34	40.571	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furostane-3 β ,22 α ,26-triol-3- <i>O</i> - β -D-xylopyranosyl(1 \rightarrow 4)-[β -D-glucopyranosyl(1 \rightarrow 2)]- β -D-glucopyranoside (Officinalisnin II)	1051.5341	C ₅₀ H ₈₄ O ₂₃	-0.99	[M-H] ⁻ 1051.5341; [M-H-xyl] ⁻ 919.4921; [M-H-xyl-glc] ⁻ 757.4395; [M-H-xyl-2glc] ⁻ 595.3751; [M-H-xyl-3glc] ⁻ 433.3540 [M-H] ⁻ 1051.5384 [M-H-xyl] ⁻ 919.4952;
35		25- <i>epi</i> -Officinalisnin II	1051.5384	C ₅₀ H ₈₄ O ₂₃	-5.07	[M-H-xyl-glc] ⁻ 757.4421 [M-H-xyl-2glc] ⁻ 595.3982 [M-H-xyl-3glc] ⁻ 433.3310
36	41.483	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furostane-3 β ,22 α ,26-triol-3- <i>O</i> - α -L-rhamnopyranosyl(1 \rightarrow 4)-[β -D-glucopyranosyl(1 \rightarrow 2)]- β -D-glucopyranoside	1065.5491	C ₅₁ H ₈₆ O ₂₃	1.14	[M-H] ⁻ 1065.5491 [M-H-glc] ⁻ 903.4978 [M-H-glc-rha] ⁻ 757.4430 [M-H-2glc-rha] ⁻ 595.3887
37	41.685	Cixi-ophiopogon B	1047.4925	C ₅₀ H ₈₀ O ₂₃	-2.63	[M-H] ⁻ 1047.4925 [M-H-xyl] ⁻ 915.4497 [M-H-xyl-rha] ⁻ 769.3965 [M-H-xyl-rha-glc] ⁻ 607.3452 [M-H-xyl-rha-2glc] ⁻ 445.4215

						[M-H] ⁻ 1063.5367
						[M-H-glc] ⁻ 901.4731
38	42.766	Ophiopigonin O	1063.5367	C ₅₀ H ₈₀ O ₂₄	-3.42	[M-H-glc-gha] ⁻ 755.4165
						[M-H-2glc-rha] ⁻ 593.3655
						[M-H-2glc-rha-xyl] ⁻ 461.3961
						[M-H] ⁻ 1063.5245
						[M-H-rha] ⁻ 917.4686
39	44.082	Ophiofurospiside K	1063.5245	C ₅₀ H ₈₀ O ₂₄	2.08	[M-H-glc] ⁻ 901.4726
						[M-H-glc-rha] ⁻ 755.4173
						[M-H-2glc-rha] ⁻ 593.3647
						[M-H-2glc-rha-xyl] ⁻ 461.2117
		(25 <i>S</i>)-26- <i>O</i> -β-D-glucopyranosyl-5β-furostane-3β,22α,26-triol-3- <i>O</i> -β-D-glucopyranosyl(1→2)-β-D-glucopyranoside	919.4825	C ₄₅ H ₇₆ O ₁₉	4.54	[M-H] ⁻ 919.4825
40	44.218					[M-H-glc] ⁻ 757.4384
						[M-H-2glc] ⁻ 595.3910
						[M-H-3glc] ⁻ 433.3267
		(25 <i>S</i>)-26- <i>O</i> -β-D-glucopyranosyl-5β-furostane-3β,22α,26-triol-3- <i>O</i> -β-D-glucopyranosyl(1→4)-β-D-glucopyranoside	919.4951	C ₄₅ H ₇₆ O ₁₉	1.71	[M-H] ⁻ 919.4951
41	45.500					[M-H-glc] ⁻ 757.4414
						[M-H-2glc] ⁻ 595.3980
		(25 <i>S</i>)-26- <i>O</i> -β-D-glucopyranosyl-5β-furostane-3β,22α,26-triol-3- <i>O</i> -α-L-rhamnopyranosyl(1→4)-[α-L-rhamnopyranosyl(1→2)]-β-D-glucopyranoside	1049.5546	C ₅₁ H ₈₆ O ₂₂	0.47	[M-H] ⁻ 1049.5546
42	54.210					[M-H-rha] ⁻ 903.4890
						[M-H-2rha] ⁻ 757.4714
						[M-H-2rha-glc] ⁻ 595.3870
						[M-H-2rha-2glc] ⁻ 433.3451

43	55.966	Ophiopogonin I'	1061.5069	C ₅₁ H ₈₂ O ₂₃	-3.47	[M-H] ⁻ 1061.5069
						[M-H-rha] ⁻ 915.4678
						[M-H-glc] ⁻ 899.4633
						[M-H-glc-rha] ⁻ 753.4092
						[M-H-glc-rha-glc] ⁻ 591.2696
44	57.417	26- <i>O</i> - β -D-glucopyranosyl (25 <i>S</i>)-furost-5-ene-1 β ,3 β -22 α ,26-tetraol 1- <i>O</i> - β -D-xylopyranosyl-(1 \rightarrow 3)-[α -L-rhamnopyranosyl-(1 \rightarrow 2)]- β -D-fucopyranoside	1033.4885	C ₅₀ H ₈₂ O ₂₂	-2.83	[M-H-glc-rha-2glc] ⁻ 429.3987
						[M-H] ⁻ 1033.4885
						[M-H-xyl] ⁻ 901.4461
						[M-H-rha] ⁻ 887.4437
						[M-H-xyl-rha] ⁻ 755.3976
45	57.485	Protodioscin	1047.5385	C ₅₁ H ₈₄ O ₂₂	-1.5	[M-H-xyl-rha-glc] ⁻ 593.3445
						[M-H-xyl-rha-2glc] ⁻ 431.3042
						[M-H] ⁻ 1047.5385
						[M-H-rha] ⁻ 901.4844
						[M-H-2rha] ⁻ 755.4261
46	58.666	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-furostan-5-ene-3 β ,26-diol-3- <i>O</i> - β -D-xylopyranosyl-(1 \rightarrow 4)-[β -D-glucopyranosyl-(1 \rightarrow 2)]- β -D-glucopyranoside	1033.5246	C ₄₉ H ₇₈ O ₂₃	-0.88	[M-H-2rha-glc] ⁻ 593.3775
						[M-H-2rha-2glc] ⁻ 431.3259
						[M-H] ⁻ 1033.5246
						[M-H-xyl] ⁻ 901.4807
						[M-H-xyl-rha] ⁻ 755.4238
						[M-H-xyl-rha-glc] ⁻ 593.3721
						[M-H-xyl-rha-2glc] ⁻ 431.3137

47	58.970	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furostane-3 β ,22 α ,26-triol-3- <i>O</i> - α -L-rhamnopyranosyl(1 \rightarrow 4)-[β -D-xylopyranosyl (1 \rightarrow 2)]- β -D-glucopyranoside	1035.5381	C ₅₀ H ₈₄ O ₂₂	-0.84	[M-H] ⁻ 1035.5381 [M-H-xyl] ⁻ 903.4988 [M-H-xyl-rha] ⁻ 757.4381 [M-H-xyl-rha-glc] ⁻ 595.3811 [M-H-xyl-rha-glc-glc] ⁻ 433.3308
48	59.578	(25 <i>R</i>)-26- <i>O</i> - β -D-glucopyranosyl-furost-5-ene-3 β ,22 α ,26-triol-3- <i>O</i> - α -L-rhamnopyranosyl(1 \rightarrow 2)- <i>O</i> - β -D-glucopyranoside	901.4724	C ₄₅ H ₇₄ O ₁₈	-2.64	[M-H] ⁻ 901.4724 [M-H-rha] ⁻ 755.4198 [M-H-rha-glc] ⁻ 593.3671 [M-H-rha-2glc] ⁻ 431.3198
49	60.321	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-5ene-furostan-3 β ,22 α ,26-triol-3- <i>O</i> - α -L-rhamnopyranosyl-(1 \rightarrow 4)- β -D-glucopyranoside or aspachioside D	901.4814	C ₄₅ H ₇₄ O ₁₈	-1.06	[M-H] ⁻ 901.4814 [M-H-rha] ⁻ 755.4200 [M-H-rha-glc] ⁻ 593.3880 [M-H-rha-glc-glc] ⁻ 431.0345
50	60.996	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furostan-3 β ,22 α ,26-triol-3- <i>O</i> - α -L-rhamnopyranosyl-(1 \rightarrow 4)- β -D-glucopyranoside	903.4960	C ₄₅ H ₇₆ O ₁₈	-1.03	[M-H] ⁻ 903.4960 [M-H-rha] ⁻ 757.4386 [M-H-rha-glc] ⁻ 595.4011 [M-H-rha-glc-glc] ⁻ 433.3317

51	61.840	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furostan-3 β ,22 α ,26-triol-3- <i>O</i> - α -L-rhamnopyranosyl-(1 \rightarrow 2)- β -D-glucopyranoside	903.4974	C ₄₅ H ₇₆ O ₁₈	-1.58	[M-H] ⁺ 903.4974 [M-H-rha] ⁺ 757.4403 [M-H-rha-glc] ⁺ 595.3859 [M-H-rha-glc-glc] ⁺ 433.3253
52	62.751	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furostan-3 β ,22 α ,26-triol-3- <i>O</i> - β -D-xylopyranosyl-(1 \rightarrow 4)- β -D-glucopyranoside	889.4820	C ₄₄ H ₇₄ O ₁₈	-1.30	[M-H] ⁺ 889.4820 [M-H-xyl] ⁺ 757.4407 [M-H-xyl-glc] ⁺ 595.3835 [M-H-xyl-glc-glc] ⁺ 433.3332
53	63.123	Prazerigenin A-3- <i>O</i> - α -L-rhamnopyranosyl (1 \rightarrow 2)- β -D-xylopyranosyl(1 \rightarrow 3)]- β -D-glucopyranosyl(1 \rightarrow 4)]- β -D-glucopyranoside	1031.4995	C ₅₀ H ₇₈ O ₂₂	2.52	[M-H] ⁺ 1031.4995 [M-H-xyl] ⁺ 899.4579 [M-H-xyl-rha] ⁺ 753.4088 [M-H-xyl-rha-glc] ⁺ 591.3339
54	64.034	Pennogenin 3- <i>O</i> - α -L-rhamnopyranosyl (1 \rightarrow 2)- β -D-glucopyranosyl(1 \rightarrow 3)]- <i>O</i> - β -D-glucopyranoside	899.4590	C ₄₅ H ₇₂ O ₁₈	-3.26	[M-H] ⁺ 899.4590 [M-H-rha] ⁺ 753.3954 [M-H-glc] ⁺ 737.4073 [M-H-glc-rha] ⁺ 591.4958

55	65.114	Ruscogenin 3- <i>O</i> - α -L-rhamnopyranosyl (1 \rightarrow 2)-[β -D-glucopyranosyl (1 \rightarrow 3)]- <i>O</i> - β - D-glucopyranoside	899.4528	C ₄₅ H ₇₂ O ₁₈	1.96	[M-H] ⁺ 899.4528 [M-H-rha] ⁺ 753.3734 [M-H-glc] ⁺ 737.4015 [M-H-glc-rha] ⁺ 591.3480
56	67.714	(25 <i>R</i>)-26- <i>O</i> - β -D-glucopyranosyl-furost-5- ene-3 β ,22 α ,26-triol-3- <i>O</i> -[α -L- rhamnopyranosyl (1 \rightarrow 2)]- β -D- xylopyranosyl(1 \rightarrow 4)]- β -D- glucopyranoside	1033.5298	C ₅₀ H ₈₂ O ₂₂	-1.38	[M-H] ⁺ 1033.5298 [M-H-xy] ⁺ 901.4834 [M-H-glc-xy] ⁺ 739.4498
57	69.233	(25 <i>R</i>)-26- <i>O</i> - β -D-glucopyranosyl-furost- 5,20-diene-3 β ,26-diol-3- <i>O</i> - β -D- glucopyranosyl(1 \rightarrow 6)-[α -L- rhamnopyranosyl(1 \rightarrow 2)]- <i>O</i> - β -D- glucopyranoside	1045.5260	C ₄₄ H ₈₆ O ₂₇	2.27	[M-H] ⁺ 1045.5260 [M-H-glc] ⁺ 883.4642 [M-H-glc-rha] ⁺ 737.4057 [M-H-glc-rha-glc] ⁺ 575.3561 [M-H-2glc-rha-H ₂ O] ⁺ 557.3468 [M-H-3glc-rha-H ₂ O] ⁺ 395.0246
58	69.469	(25 <i>R</i>)-26- <i>O</i> - β -D-glucopyranosyl-furost-5- ene-3 β ,22 α ,26-triol-3- <i>O</i> - β -D- glucopyranosyl(1 \rightarrow 6)-[α -L- rhamnopyranosyl(1 \rightarrow 2)]- β -D- glucopyranoside	1053.5308	C ₅₃ H ₈₂ O ₂₁	-3.05	[M-H] ⁺ 1053.5308 [M-H-glc] ⁺ 891.4694 [M-H-glc-rha] ⁺ 745.4118 [M-H-2glc-rha] ⁺ 583.3622 [M-H-2glc-rha-H ₂ O] ⁺ 565.3471 [M-H-3glc-rha-H ₂ O] ⁺ 403.4808

59	69.740	(25S)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furostan-20(22)-ene-3 β ,26-diol-3- <i>O</i> - β -D-xylopyranosyl(1 \rightarrow 4)-[β -D-glucopyranosyl(1 \rightarrow 2)]- β -D-glucopyranoside	1033.4873	C ₄₉ H ₇₈ O ₂₃	-1.15	[M-H] ⁻ 1033.4873 [M-H-xyl] ⁻ 901.4506 [M-H-xyl-glc] ⁻ 739.4035 [M-H-xyl-2glc] ⁻ 577.3435
60	69.807	(25S)-Spirostan-3 β ,17 α -diol-3- <i>O</i> - β -D-glucopyranosyl(1 \rightarrow 2)-[β -D-xylopyranosyl(1 \rightarrow 4)]- <i>O</i> - β -D-glucopyranoside	887.4654	C ₄₄ H ₇₂ O ₁₈	-0.91	[M-H] ⁻ 887.4654; [M-H-xyl] ⁻ 755.3968; [M-H-xyl-glc] ⁻ 593.3548
61	70.111	5,7,2'-trihydroxy-3'5'-dimethoxy-6,8-dimethylhomoisoflavanone	373.1879	C ₂₀ H ₂₁ O ₇	-0.9	[M-H] ⁻ 373.1879 [M-H-B-ring-OCH ₃] ⁻ 207.0289
62	70.178	(25S)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furostan-20(22)-ene-3 β ,26-diol-3- <i>O</i> - β -D-xylopyranosyl(1 \rightarrow 3)-[β -D-glucopyranosyl(1 \rightarrow 2)]- β -D-galactopyranoside	1033.4903	C ₄₉ H ₇₈ O ₂₃	-0.66	[M-H] ⁻ 1033.4903 [M-H-xyl] ⁻ 901.4528 [M-H-xyl-glc] ⁻ 739.4050 [M-H-xyl-glc-Gla] ⁻ 577.3624
63	70.516	(25S)26- <i>O</i> - β -D-glucopyranosyl-5 β -furostan-5-ene-3 β ,22 α ,26-triol-3- <i>O</i> - α -L-rhamnopyranosyl(1 \rightarrow 2)-[α -L-rhamnopyranosyl(1 \rightarrow 4)]- β -D-glucopyranoside	1047.5383	C ₅₁ H ₈₄ O ₂₂	-0.91	[M-H] ⁻ 1047.5383 [M-H-rha] ⁻ 901.4835 [M-H-rha-glc] ⁻ 739.4331 [M-H-rha-2glc] ⁻ 577.3804 [M-H-2rha-2glc] ⁻ 431.4627
64	71.259	(25S)26- <i>O</i> - β -D-glucopyranosyl-5 β -furostan-20(22)-ene-3 β ,26-diol-3- <i>O</i> - β -D-glucopyranosyl(1 \rightarrow 2)- β -D-glucopyranoside	901.4811	C ₄₅ H ₇₄ O ₁₈	-1.06	[M-H] ⁻ 901.4811 [M-H-glc] ⁻ 739.4278 [M-H-2glc] ⁻ 577.3693

65	71.360	(25 <i>S</i>)-Spirostan-3 β ,17 α -diol-3- <i>O</i> - β -D-glucopyranosyl(1 \rightarrow 2)- <i>O</i> - β -D-glucopyranoside	755.4265	C ₃₉ H ₆₄ O ₁₄	-1.18	[M-H] ⁻ 755.4265 [M-H-glc] ⁻ 593.3680
66	72.001	(25 <i>S</i>)26- <i>O</i> - β -D-glucopyranosyl-5 β -furost-20(22)-ene-3 β ,26-diol-3- <i>O</i> - α -L-rhamnopyranosyl(1 \rightarrow 4)-[β -D-xylopyranosyl(1 \rightarrow 2)]- β -D-glucopyranoside	1017.5294	C ₅₀ H ₈₂ O ₂₁	0.16	[M-H] ⁻ 1017.5294 [M-H-xyl] ⁻ 885.4877 [M-H-xyl-rha] ⁻ 793.4345 [M-H-xyl-rha-glc] ⁻ 577.3822
67	72.035	5,3',4'-trihydroxy-7-methoxy-8-methyl homoisoflavanone	329.2315	C ₁₈ H ₁₈ O ₆	1.66	[M-H] ⁻ 329.2315 [M-H-CO] ⁻ 301.1138 [M-H-2H ₂ O] ⁻ 293.2210 [M-H-B-ring] ⁻ 211.1341
68	72.407	(25 <i>S</i>)26- <i>O</i> - β -D-glucopyranosyl-5 β -furost-5,20-diene-3 β ,26-diol-3- <i>O</i> - α -L-rhamnopyranosyl(1 \rightarrow 4)-[β -D-xylopyranosyl(1 \rightarrow 3)]- β -D-glucopyranoside	1015.5113	C ₄₃ H ₈₄ O ₂₆	1.46	[M-H] ⁻ 1015.5113; [M-xyl-H] ⁻ 883.4802; [M-xyl-rha-H] ⁻ 737.4323; [M-xyl-rha-glc-H] ⁻ 575.3451
69	72.474	5,7,4'-trihydroxy-3',5'-dimethoxy-8-methylhomoisoflavanone	329.233	C ₂₀ H ₂₆ O ₄	-3.93	[M-H] ⁻ 329.233 [M-H-H ₂ O] ⁻ 311.2220 [M-H-2H ₂ O] ⁻ 293.2197

70	72.778	Pseudo-protodioscin	1029.5208	C ₅₁ H ₈₂ O ₂₁	0.84	[M-H] ⁻ 1029.5208; [M-H-rha] ⁻ 883.4624; [M-H-2rha] ⁻ 737.4122; [M-H-2rha-glc] ⁻ 575.3586
71	73.115	Ophiopogenin-3-O- α -L-rhamnopyranosyl-(1 \rightarrow 2)- β -D-glucopyranosyl-(1 \rightarrow 3)- β -D-glucopyranoside	915.4512	C ₄₅ H ₇₂ O ₁₉	-2.31	[M-H] ⁻ 915.4512 [M-H-rha] ⁻ 769.3919 [M-H-glc] ⁻ 753.4037 [M-H-glc-rha] ⁻ 607.3326 [M-H-2glc-rha] ⁻ 445.2798
72	73.419	(25 <i>S</i>)-3 β -spirostan-3-ol-3- <i>O</i> - β -D-glucopyranosyl(1 \rightarrow 2)-[β -D-xylopyranosyl(1 \rightarrow 4)]- β -D-glucopyranoside	871.4691	C ₄₄ H ₇₂ O ₁₇	0.66	[M-H] ⁻ 871.4691; [M-H-xyl] ⁻ 739.4264; [M-H-xyl-glc] ⁻ 577.3695 [M-H-xyl-glc-glc] ⁻ 415.1084
73	73.487	(25 <i>S</i>)-26- <i>O</i> - β -D-glucopyranosyl-5 β -furost-20(22)-en-3 β ,26-diol-3- <i>O</i> - α -L-rhamnopyranosyl(1 \rightarrow 4)- β -D-glucopyranoside	885.4855	C ₄₅ H ₇₄ O ₁₇	-0.2	[M-H] ⁻ 885.4855; [M-H-xyl] ⁻ 739.4300; [M-H-glc] ⁻ 577.3740
74	73.689	Ophiopogonanone G'	375.1817	C ₁₉ H ₂₀ O ₈	1.03	[M-H] ⁻ 375.1817 [M-H-H ₂ O] ⁻ 357.1725 [M-H-H ₂ O-CO] ⁻ 329.5682 [M-H-B-ring-C ₂ H ₅] ⁻ 191.0750

75	74.128	(25S)-spirostan-3 β ,17 α -diol-12-one-3-O- β -D-glucopyranosyl(1 \rightarrow 2)-[β -D-xylopyranosyl(1 \rightarrow 4)]- β -D-glucopyranoside	915.4945	C ₅₃ H ₇₂ O ₁₃	-1.97	[M-H] ⁺ 915.4945 [M-H-glc] ⁺ 753.4320
76	74.432	5,2'-Dihydroxy-7,8,4'-trimethoxy-6-methyl homoisoflavanone	373.1300	C ₂₀ H ₂₂ O ₇	2.08	[M-H] ⁺ 373.1300 [M-H-CH ₃] ⁺ 358.1077 [M-H-2CH ₃] ⁺ 343.0811 [M-H-B-ring-OCH ₃] ⁺ 207.0295
77	74.770	(25R)-26-O- β -D-glucopyranosyl-furost-5-ene-3 β ,22 α ,26-triol-3-O- α -L-rhamnopyranosyl (1 \rightarrow 6)-O- β -D-glucopyranoside	901.4289	C ₄₄ H ₇₀ O ₁₉	-2.18	[M-H] ⁺ 901.4289 [M-H-xyl] ⁺ 769.3929 [M-H-xyl-rha] ⁺ 623.3359 [M-H-xyl-rha-H ₂ O] ⁺ 605.3353 [M-H-xyl-rha-glc-H ₂ O] ⁺ 433.2753
78	75.276	Ophiopigonin R	769.4026	C ₃₉ H ₆₂ O ₁₅	-3.23	[M-H] ⁺ 769.4026 [M-H-xyl] ⁺ 623.3373 [M-H-xyl-glc] ⁺ 461.2898 [M-H] ⁺ 949.4605
79	75.782	Ophiofurospiside D	949.4605	C ₄₅ H ₇₄ O ₂₁	4.27	[M-H-rha] ⁺ 803.3452 [M-H-rha-glc] ⁺ 641.3524 [M-H-rha-2glc] ⁺ 479.3135
80	75.951	(25S)-26-O- β -D-glucopyranosyl-5 β -furosta n-3 β , 22 α , 26-triol	595.3850	C ₃₄ H ₄₄ O ₉	-3.13	[M-H] ⁺ 595.3850 [M-H-glc] ⁺ 433.3307

81	76.052	Cixi-ophiopogon C	753.3998	C ₃₉ H ₆₂ O ₁₄	-2.49	[M-H] ⁻ 753.3998 [M-H-rha] ⁻ 607.3604 [M-H-rha-glc] ⁻ 445.2974
82	76.930	Ophiopogenin-3-O- α -L-rhamnopyranosyl-(1 \rightarrow 2)- β -D-xylopyranosyl-(1 \rightarrow 3)- β -D-glucopyranoside	885.4389	C ₄₄ H ₇₀ O ₁₈	4.72	[M-H] ⁻ 885.4389 [M-H-xyl] ⁻ 753.3982 [M-H-xyl-rha] ⁻ 607.3376 [M-H-xyl-rha-glc] ⁻ 445.2937
83	77.403	Cixi-ophiopogon C	753.3978	C ₃₉ H ₆₂ O ₁₄	-5.49	[M-H] ⁻ 753.3978 [M-H-rha] ⁻ 607.3447 [M-H-rha-glc] ⁻ 445.2936
84	77.504	(25R)-3 β -[(O- β -D-glucopyranosyl (1 \rightarrow 4)- β -D-galactopyranosyl)oxy]-5 β -spirostan-12-one	753.4092	C ₃₉ H ₆₂ O ₁₄	2.07	[M-H] ⁻ 753.4092 [M-H-glc] ⁻ 591.3545 [M-H-glc-glc] ⁻ 429.5092
85	77.909	Ruscogenin 1-O- α -L-rhamnopyranosyl-(1 \rightarrow 2)-4-O-sulfo- β -D-fucopyranosido-3-O- β -D-glucopyranoside	963.4194	C ₄₅ H ₇₂ O ₂₀ S	-1.25	[M-H] ⁻ 963.4194 [M-H-rha] ⁻ 817.3555 [M-H-glc] ⁻ 801.3481 [M-H-glc-rha] ⁻ 655.2110 [M-H-glc-rha-Fuc-SO ₃ H] ⁻ 429.8510

86	79.124	(25S)-5-ene-Spirostan-3 β ,17 α -diol-3-O- β -D-glucopyranosyl-(1 \rightarrow 2)-O- β -D-glucopyranoside	753.4078	C ₃₉ H ₆₂ O ₁₄	-0.58	[M-H] ⁻ 753.4078 [M-H-glc] ⁻ 591.3454 [M-H-2glc] ⁻ 429.3075
87	79.597	5,7,4'-Trihydroxy-3',5'-dimethoxy-6,8-dimethylhomoisoflavanone	373.1316	C ₂₀ H ₂₂ O ₇	-3.21	[M-H] ⁻ 373.1316 [M-H-2OCH ₃] ⁻ 313.2354 [M-H-B-ring-CH ₂] ⁻ 207.0667 [M-H-B-ring-CH ₂ -CO] ⁻ 207.0651
88	80.306	Ruscogenin 1-O- α -L-rhamnopyranosyl-(1 \rightarrow 2)-4-O-sulfate- α -L-arabinopyranoside	787.3615	C ₃₈ H ₆₀ O ₁₅ S	-2.56	[M-H] ⁻ 787.3615
89	80.610	Ophiogenin 2-O-Acetyl- α -L-rhamnopyranosyl-(1 \rightarrow 2)-O- β -D-xylopyranosyl-(1 \rightarrow 3)]- β -D-glucopyranoside	927.4522	C ₄₆ H ₇₂ O ₁₉	-3.14	[M-H] ⁻ 927.4522 [M-H-C ₂ H ₂ O] ⁻ 885.4396 [M-H-C ₂ H ₂ O-xyl] ⁻ 753.4031 [M-H-C ₂ H ₂ O-xyl-rha] ⁻ 607.3399 [M-H-C ₂ H ₂ O-xyl-rha-glc] ⁻ 445.2891
90	81.015	5,4'-dihydroxy-7,3'-dimethoxy-8-methylhomoisoflavanone	343.1173	C ₁₉ H ₂₀ O ₆	-1.49	[M-H] ⁻ 343.1173 [M-H-B-ring-CH ₂] ⁻ 207.0687, [M-H-B-ring-C ₂ H ₅] ⁻ 193.0511, [M-H-B-ring-CH ₂ -CO] ⁻ 179.0712

91	81.049	5,7-dihydroxy-6-methyl-3-(4'-hydroxybenzyl) chromone	297.0765	C ₁₇ H ₁₄ O ₅	-3.89	[M-H] ⁻ 297.0765 [M-H-B-ring-H ₂ O] ⁻ 175.0408 [M-B-ring-CH ₂] ⁻ 204.0450
92	81.353	Pennogenin 3- <i>O</i> - α -L-rhamnopyranosyl-(1 \rightarrow 2)- β -D-xylopyranosyl-(1 \rightarrow 4)- β -D-glucopyranoside	869.4487	C ₃₇ H ₇₄ O ₂₂	2.73	[M-H] ⁻ 869.4487 [M-H-xyl] ⁻ 737.4060 [M-H-rha] ⁻ 723.3867 [M-H-xyl-rha] ⁻ 591.3589 [M-H-xyl-rha-glc] ⁻ 429.3136
93	81.758	Ophiopogonone C	353.1017	C ₂₀ H ₁₈ O ₆	-2.19	[M-H] ⁻ 353.1017 [M-H-CH ₃] ⁻ 338.0813 [M-H-CO] ⁻ 325.1073 [M-H-2CH ₃] ⁻ 323.0823 [M-H-CH ₃ -CO] ⁻ 310.0809 [M-H-B-ring-CH ₂] ⁻ 193.0684
94	82.062	Prazerigenin A 3- <i>O</i> - α -L-rhamnopyranosyl-(1 \rightarrow 2)- β -D-glucopyranoside	737.4031	C ₃₉ H ₆₂ O ₁₃	-4.00	[M-H] ⁻ 737.4031 [M-H-rha] ⁻ 591.3559 [M-H-rha-glc] ⁻ 429.2783
95	82.163	(25S)-5-ene-Spirostan-3 β ,17 α -diol-3- <i>O</i> - α -L-rhamnopyranosyl-(1 \rightarrow 2)- <i>O</i> - β -D-glucopyranoside	737.4123	C ₃₉ H ₆₂ O ₁₃	2.5	[M-H] ⁻ 737.4123 [M-H-rha] ⁻ 591.3551 [M-H-rha-glc] ⁻ 429.3047

96	82.568	Ophiopogonanone E	359.1105	C ₁₉ H ₂₀ O ₇	-3.76	[M-H] ⁺ 359.1105 [M-H-CH ₃] ⁺ 344.0887 [M-H-B-ring-CH ₂] ⁺ 193.0501 [M-H-B-ring-CH ₂ -CO] ⁺ 165.0702
97	82.635	Prazerigenin A-3-O- α -L-rhamnopyranosyl-(1 \rightarrow 3)- β -D-xylopyranosyl-(1 \rightarrow 4)- β -D-glucopyranoside	869.4487	C ₃₇ H ₇₄ O ₂₂	2.73	[M-H] ⁺ 869.4487 [M-H-xyl] ⁺ 737.4060 [M-H-rha] ⁺ 723.3867 [M-H-xyl-rha] ⁺ 591.3589 [M-H-xyl-rha-glc] ⁺ 429.3136
98	82.771	(25 <i>S</i>)-17 α ,27-dihydroxyspirost-5-en-3 β -yl O-(4-O-acetyl- α -L-rhamnopyranosyl)-(1 \rightarrow 2)- β -D-glucopyranoside	795.3923	C ₄₈ H ₆₀ O ₁₀	0.06	[M-H] ⁺ 795.3923 [M-H-Ac] ⁺ 753.4002 [M-H-Ac-H ₂ O] ⁺ 735.3901
99	82.906	5,7-dihydroxy-8,4'-dimethoxy-6-methyl homoisoflavanone	343.1172	C ₁₉ H ₂₀ O ₆	-5.49	[M-H] ⁺ 343.1172 [M-H-B-ring-CH ₂] ⁺ 207.0658 [M-H-B-ring-CH ₂ -CO] ⁺ 179.0704
100	83.344	5,2'-dihydroxy-7,4'-dimethoxy-6,8-dimethylhomoisoflavanone	357.1325	C ₂₀ H ₂₂ O ₆	-4.85	[M-H] ⁺ 357.1325 [M-H-CH ₃] ⁺ 342.0961 [M-H-2CH ₃] ⁺ 327.0878 [M-H-B-ring-CH ₂] ⁺ 206.0571 [M-H-B-ring-CH ₂ -CO] ⁺ 178.0619

101	83.615	1-O-sulfate-ruscogenin	509.2530	C ₂₇ H ₄₂ O ₇ S	0.50	[M-H] ⁻ 509.2530
102	83.885	3,5-dihydroxy-7,4'-dimethoxy-6-dimethylhomoisoflavanone	343.1189	C ₁₉ H ₂₀ O ₆	-2.49	[M-H] ⁻ 343.1189 [M-H-H ₂ O-OCH ₃] ⁻ 297.1964, [M-B-ring-H ₂ O-CH ₂] ⁻ 207.0654, [M-B-ring-H ₂ O-C ₃ H ₃ O] ⁻ 153.0553 [M-H] ⁻ 355.0815
103	84.323	5,7,2'-Trihydroxy-3',4'-methylenedioxy-6,8-dimethylhomoisoflavone	355.0815	C ₁₉ H ₁₆ O ₇	-3.67	[M-H-H ₂ O] ⁻ 337.0683 [M-H-H ₂ O-CO] ⁻ 309.0711 [M-H-B-ring-CH ₂] ⁻ 205.0484 [M-H-B-ring-CH ₂ -CO] ⁻ 177.0533 [M-H] ⁻ 341.1018
104	84.661	5-hydroxy-3',4'-dimethoxy-6,8-dimethylhomoisoflavanone	341.1018	C ₁₉ H ₁₈ O ₆	-1.26	[M-H-CH ₃] ⁻ 326.0785 [M-H-2CH ₃] ⁻ 311.0572 [M-B-ring-H ₂ O-CH ₂] ⁻ 207.0547 [M-B-ring-2H ₂ O-CH ₂] ⁻ 189.0545 [M-H-B-ring-CH ₂ -CO] ⁻ 179.0334
105	85.066	Ophiopigonin S	723.3925	C ₃₈ H ₆₀ O ₁₃	3.46	[M-H] ⁻ 723.3925 [M-H-xyl] ⁻ 591.3611 [M-H-xyl-glc] ⁻ 429.3472

						[M-H] ⁺ 911.4700 [M-H-AC] ⁺ 869.4524 [M-H-AC-H ₂ O] ⁺ 851.4407 [M-H-AC-xyl] ⁺ 737.4049 [M-H-AC-xyl-rha] ⁺ 591.3665 [M-H-AC-xyl-rha-glc] ⁺ 429.2992
106	85.302	Ophiopogonin A	911.4700	C ₃₉ H ₇₆ O ₂₃	3.00	
107	85.404	(25S)-3β-[(O-α-L-rhamnopyranosyl-(1→2)-β-D-galactopyranosyl)oxy]-5β-spirostan-12-one	737.4144	C ₃₉ H ₆₂ O ₁₃	-0.35	[M-H] ⁺ 737.4144
108	86.484	Prazerigenin A 3-O-[2-O-Acetyl-α-L-rhamnopyranosyl-(1→2)-β-D-glucopyranoside]	779.3744	C ₄₁ H ₆₄ O ₁₄	-4.22	[M-H] ⁺ 779.3744 [M-H-2H ₂ O] ⁺ 737.4038 [M-H-2H ₂ O-rha] ⁺ 591.3275 [M-H-2H ₂ O-rha-glc] ⁺ 429.2735
109	86.653	(25S)-3β-spirostan-3-ol-3-O-β-D-glucopyranosyl-(1→2)-[β-D-xylopyranosyl-(1→4)]-β-D-glucopyranoside	871.4683	C ₄₄ H ₇₂ O ₁₇	-2.21	[M-H] ⁺ 871.4683 [M-H-xyl] ⁺ 739.4220 [M-H-xyl-glc] ⁺ 577.3742
110	87.125	(25S)-5β-spirostan-3β-ol-3-O-α-L-rhamnopyranosyl-(1→2)-[β-D-glucopyranosyl-(1→4)]-β-D-glucopyranoside	885.4868	C ₃₈ H ₇₈ O ₂₂	3.25	[M-H] ⁺ 885.4868 [M-H-rha] ⁺ 739.3975 [M-H-rha-glc] ⁺ 577.3876

111	87.463	Ophiopogonanone A	328.0971	C ₁₈ H ₁₆ O ₆	-3.28	[M-H] ⁻ 237.0863 [M-H-CH ₃] ⁻ 313.2347, [M-B-ring-CH ₂] ⁻ 205.0513 [M-B-ring-C ₂ H ₅] ⁻ 192.0416 [M-H-CH ₃ -H ₂ O] ⁻ 297.0794, [M-CH ₃ -H ₂ O-B-ring-CH ₂] ⁻ 164.0467, [M-C ₂ H ₅ -H ₂ O-B-ring-CO] ⁻ 136.0159
112	87.767	Prazerigenin A 3- <i>O</i> -[2- <i>O</i> -Acetyl- α -L-rhamnopyranosyl-(1 \rightarrow 2)]- β -D-xylopyranosyl-(1 \rightarrow 4)- β -D-glucopyranoside	911.4588	C ₄₆ H ₇₂ O ₁₈	-3.43,	[M-H] ⁻ 911.4588 [M-H-AC] ⁻ 869.4496 [M-H-AC-H ₂ O] ⁻ 851.4404 [M-H-AC-xyl] ⁻ 737.4083 [M-H-AC-xyl-rha] ⁻ 591.3460 [M-H-AC-xyl-rha-glc] ⁻ 429.3096
113	88.543	5,7-dihydroxy-4'-methoxy-6-methyl homoisoflavanone	313.1062	C ₁₈ H ₁₈ O ₅	3.02	[M-H] ⁻ 313.1062 [M-H-2CH ₃] ⁻ 283.1251 [M-H-B-ring] ⁻ 207.0761 [M-H-B-ring-CH ₂] ⁻ 192.0418 [M-H-B-ring-CH ₂ -CO] ⁻ 164.0461 [M-H-B-ring-CH ₂ -2CO] ⁻ 136.0169

114	88.847	(25S)-26-O- β -D-glucopyranosyl-5 β -furostan-3 β , 22 α , 26-triol	595.2897	C ₃₄ H ₄₄ O ₉	-2.61	[M-H] ⁻ 595.2897 [M-H-glc] ⁻ 433.2935
115	89.083	Pennogenin 3-O-[2-O-Acetyl- α -L-rhamno pyranosyl-(1 \rightarrow 2)- β -D-glucopyranoside]	799.4160	C ₄₁ H ₆₄ O ₁₄	-4.22	[M-H] ⁻ 799.4160 [M-H-2H ₂ O] ⁻ 737.4053 [M-H-2H ₂ O-rha] ⁻ 591.3284 [M-H-2H ₂ O-rha-glc] ⁻ 429.2935
116	89.421	(25S)-5 β -spirostan-3 β -ol-3-O- β -D- glucopyranosyl-(1 \rightarrow 2)- β -D- glucopyranoside	739.4273	C ₃₉ H ₆₄ O ₁₃	-0.28	[M-H] ⁻ 739.4273 [M-H-glc] ⁻ 577.3855 [M-H-2glc] ⁻ 415.3532
117	90.603	Ophiopogonin D	853.4520	C ₄₄ H ₇₀ O ₁₆	-5.05	[M-H] ⁻ 853.4520 [M-H-xyl] ⁻ 721.4112 [M-H-rha] ⁻ 707.5198 [M-H]-xyl-rha ⁻ 575.3555 [M-H]-xyl-rha-Fuc ⁻ 413.4394
118	90.738	Methylophiopogonone A	339.0862	C ₁₉ H ₁₆ O ₆	-2.20	[M-H] ⁻ 339.0862 [M-H-CO] ⁻ 311.0917 [M-H-B-ring-CH ₂] ⁻ 205.0484 [M-H-B-ring-CH ₂ -CO] ⁻ 179.0349

						[M-H] ⁻ 853.4505
119	92.156	Ophiopogonin D'	853.4505	C ₄₄ H ₇₀ O ₁₆	1.48	[M-H-xyl] ⁻ 721.4119
						[M-H-rha] ⁻ 707.3851
						[M-H]-xyl-rha ⁻ 575.3504
						[M-H]-xyl-rha-glc ⁻ 413.2125
						[M-H] ⁻ 325.1110
120	92.358	Methylophiopogonone B	325.1110	C ₁₉ H ₁₈ O ₅	-1.75	[M-H-CH ₃] ⁻ 310.2103
						[M-H-B-ring-CH ₂] ⁻ 205.0433
						[M-H-B-ring-CH ₂ -CO] ⁻ 179.0346
						[M-H] ⁻ 341.1025
121	92.763	Methylophiopogonanone A	341.1025	C ₁₉ H ₁₈ O ₆	1.64	[M-H-2CH ₃ -CO] ⁻ 283.1336,
						[M-B-ring] ⁻ 220.0710,
						[M-H-B-ring-CH ₂] ⁻ 206.0567,
						[M-H-B-ring-CH ₂ -CO] ⁻ 178.0626
						[M-H] ⁻ 327.1228
122	94.755	Methylophiopogonanone B	327.1228	C ₁₉ H ₂₀ O ₅	-3.04	[M-H-B-ring-CH ₂] ⁻ 206.0581,
						[M-H-B-ring-CH ₂ -CO] ⁻ 178.0621
						[M-H+COOH] ⁻ 767.4249
123	95.869	Ophiopogonin B	721.409	C ₃₉ H ₆₂ O ₁₂	-3.56	[M-H] ⁻ 721.4096
						[M-H-rha] ⁻ 575.3523
						[M-H] ⁻ 369.0944
124	96.274	Ophiopogonanone D	369.0944	C ₂₀ H ₁₈ O ₇	1.66	[M-H-CH ₃] ⁻ 354.0760
						[M-H-B-ring-CH ₂] ⁻ 205.0645
						[M-H-B-ring-CH ₂ -CO] ⁻ 179.0316

