

Supplementary Table S1

Identification of triterpene compounds in the natural and fermented parts of *Poria cocos* using HPLC-QTOF-MS/MS

No ^a	t _r (min)	Precursor (m/z)	Mass (m/z)	Error (ppm)	MS/MS (m/z)	Formula	Identification
1	7.28	513.3229	514.3305	-2.09	513.3224;495.3069;439.2845	C ₃₁ H ₄₆ O ₆	Poricoic acid F
2	7.65	499.3070	500.3147	-1.74	499.3417;481.3343;427.2849; 349.2531	C ₃₀ H ₄₄ O ₆	Poricoic acid E
3	8.41	499.3070	500.3508	-1.17	499.3417;481.3343;405.2818;389.2661; 97.0658	C ₃₁ H ₄₈ O ₅	Poricoic acid H isomer
4	8.63	513.3222	514.3298	-0.73	513.3224;495.3103;439.2850;421.2754	C ₃₁ H ₄₆ O ₆	Poricoic acid D
5	9.06	513.3222	514.3295	-0.20	513.3204;495.3041;439.2969;421.2718	C ₃₁ H ₄₆ O ₆	Poricoic acid D
6	9.83	485.3275	486.3346	-0.11	485.3295;467.3188;441.3442;439.3192;407.2945;375.2642	C ₃₀ H ₄₆ O ₅	Poricoic acid G
7	10.98	499.3436	500.3509	-1.38	499.3416;481.3313;455.3554;437.3392;21.3084;409.2810;193.1603;97.0657	C ₃₁ H ₄₈ O ₅	Poricoic acid H
8	11.87	497.3286	498.3372	6.44	497.3285;453.3351;423.2968	C ₃₁ H ₄₆ O ₅	25-Hydroxyporicoic acid C
9	13.74	513.3599	514.3664	-1.17	513.3263;469.3342;453.2933;425.2707	C ₃₂ H ₅₀ O ₅	Poricoic acid HM
10	14.67	497.3283	498.3368	-4.56	497.3285;455.3552;437.3430;409.3135	C ₃₁ H ₄₆ O ₅	Poricoic acid BM
11	15.44	469.337	470.3409	-0.02	469.3347;453.3451;407.3258;309.1855;291.2220	C ₃₀ H ₄₆ O ₄	3β,16α-Dihydroxylanosta-7,9(11), 24-trien-21-oic acid
12	16.16	467.3180	468.3255	-3.37	407.2960;391.2635;375.2407;321.2227;255.1381;227.1500;179.1477;71.0150	C ₃₀ H ₄₄ O ₄	16-Deoxyporicoic acid B
13	17.84	469.3334	470.3408	0.32	469.3311;407.2964;423.3253;393.2792;375.2671	C ₃₀ H ₄₆ O ₄	16α-Hydroxydehydrotrametenolic acid
14	18.86	471.3488	472.3563	-2.16	409.3115;337.2535;275.2020;245.1907;207.1766;137.0988; 97.0668	C ₃₀ H ₄₈ O ₄	16α-Hydroxytrametenolic acid
15	19.50	483.3129	484.3203	-0.19	483.3108;465.2995;409.2740;391.2641;365.2832	C ₃₀ H ₄₄ O ₅	Poricoic acid B
16	21.32	483.3467	484.3565	0.18	483.3471;437.3432;421.3128;391.2941;311.2039;97.0661	C ₃₁ H ₄₈ O ₄	Dehydrotumulosic acid
17	21.98	497.3286	498.3368	-4.54	453.3384;423.2907;397.2740;211.1484;71.0154	C ₃₁ H ₄₆ O ₅	3-Oxo-16α,25-dihydroxy-Lanosta-7,9(11),24(31)-trien-21-oic acid
18	22.55	497.3284	498.3357	0.08	497.3256;479.3141;453.3358;423.2888;379.2997;211.1549;73.0322;61.9908	C ₃₁ H ₄₆ O ₅	Poricoic acid A
19	22.58	485.3308	486.3381	-7.42	485.3640;467.3478;423.3276;337.2547;97.0667	C ₃₁ H ₄₆ O ₅	Tumulosic acid

20	23.80	469.3339	470.3441	-0.23	407.2907;375.2695;273.1857;179.1426; 97.0663	C ₃₀ H ₄₆ O ₄	3β,16α-Dihydroxylanosta-7,9(11), 24-trien-21-oic acid
21	24.74	543.3709	544.3779	-2.79	467.3524;337.2531;221.1909;137.0964;75.0094	C ₃₃ H ₅₂ O ₆	25-Hydroxypachymic acid
22	26.56	481.3336	482.3410	-0.35	481.3318;463.3230;435.3262;419.3022;405.2794;387.2673;311.2010;97.0655	C ₃₁ H ₄₆ O ₄	Polyporenic acid C
23	27.50	483.3491	484.3565	-2.46	421.3130;389.2822;337.2527;273.1873;193.1594;97.0662	C ₃₁ H ₄₈ O ₄	16α-Hydroxyeburiconic acid
24	33.47	511.3441	512.3512	0.53	511.3416;493.3261;449.3133;389.2998;369.2028;59.0152	C ₃₂ H ₄₈ O ₅	3-O-acetyl-16α-hydroxy-dehydrotrametenolic acid
25	35.08	513.3587	514.3675	-3.28	513.3575;483.3116;451.3206;391.2995;207.1741;179.1430;59.0153	C ₃₂ H ₅₀ O ₅	3-O-acetyl-16α-hydroxy-trametenolic acid
26	36.41	525.3604	526.3674	-2.97	525.3604;507.3495;481.3270;465.3300;59.0154	C ₃₃ H ₅₀ O ₅	Dehydropachymic acid
27	37.75	527.3741	528.3833	-3.39	527.3741;497.3233;465.3373;405.3169;221.1958;59.0152	C ₃₃ H ₅₂ O ₅	Pachymic acid
28	40.86	453.3386	454.3460	-2.87	453.3386;435.3262;423.0840;71.2583;337.2547;323.2377; 309.2204; 97.0659	C ₃₀ H ₄₆ O ₃	Dehydrotrametenolic acid
29	42.19	455.3539	156.3612	-1.96	425.3047;373.2741;339.2681;295.2078;141.0890	C ₃₀ H ₄₈ O ₃	Trametenolic acid
30	43.10	467.3484	468.3614	-2.23	467.3484;437.3045;405.3093;371.2584;337.2523;323.2377; 97.0681	C ₃₁ H ₄₈ O ₃	Dehydroeburicoic acid
31	44.37	469.3681	470.3752	1.60	469.3654;439.3154;373.2816;339.2669;97.0613	C ₃₁ H ₅₀ O ₃	Eburicoic acid

^a, the No. correspond to the peak No. in figure 2.