

Table S1 Description of Modified Hongyu Decoction

Scientific name	Chinese name	Origin (China)	Amount (g)
<i>Sargentodoxa cuneata</i>	Hong Teng	Hubei	30
<i>Patrinia scabiosaefolia</i> Fisch	Bai Jiang Cao	Jiangsu	30
<i>Pulsatilla chinensis</i> Regel	Bai Touweng	Anhui	15
<i>Cornus officinalis</i> Sieb. et Zucc	Shan Zhu Yu	Zhejiang	15
<i>Astragalus membranaceus</i> Bge	Huang Qi	Shanxi	30
<i>Pseudostellaria heterophylla</i>	Tai Zi sheng	Jiangsu	15

Table S2 Characterization of the main chemical components in MHD by HPLC-Q-TOF/MS

ID	Retention Time/min	Scan Model	MS ¹	ppm	MS ²	Adduct	Formula	Identification
1	0.77	Negative	169.015	4.44	125.0240 69.0359 97.0299	-H	C ₇ H ₆ O ₅	Gallic acid
2	1.33	Negative	339.0734	3.66	339.0742 177.0191 133.0290	-H	C ₁₅ H ₁₆ O ₉	Esculin hydrate
3	1.5	Negative	153.0203	6.34	153.0111 109.0339	-H	C ₇ H ₆ O ₄	Protocatechuic acid
4	1.65	Negative	353.087	-2.29	191.0544 179.0296 173.0435	-H	C ₁₆ H ₁₈ O ₉	Chlorogenic acid
5	1.77	Negative	405.1402	-0.10	405.1439 243.0874	-H	C ₁₇ H ₂₆ O ₁₁	morrniside
6	2.51	Negative	179.0357	4.02	135.0446 89.0402	-H	C ₉ H ₈ O ₄	Caffeic acid
7	3.22	Negative	173.0465	5.49	173.0438 136.9366	-H	C ₇ H ₁₀ O ₅	Shikimic acid
8	3.43	Negative	153.0198	3.07	109.0298 135.0072 91.0181	-H	C ₇ H ₆ O ₄	2,5-dihydroxybenzoic acid
9	3.9	Negative	403.1244	2.26	357.1154 179.0547 195.0658	+HCOO ⁻	C ₁₆ H ₂₂ O ₉	Sweroside
10	4.14	Negative	435.1497	0.00	435.1527 227.0918	+HCOO ⁻	C ₁₇ H ₂₆ O ₁₀	Loganin
11	4.74	Negative	163.0407	3.86	119.0500 93.0351	-H	C ₉ H ₈ O ₃	trans-Cinnamic acid
12	6.77	Negative	491.1183	-0.20	283.0602 268.0373 211.0393 239.0345	+HCOO ⁻	C ₂₂ H ₂₂ O ₁₀	Calycosin-7-glucoside
13	9.29	Negative	475.1224	-2.29	267.0658 252.0430	+HCOO ⁻	C ₂₂ H ₂₂ O ₉	Ononin
14	10.2	Negative	285.0402	-0.91	285.0388 133.0295	-H	C ₁₅ H ₁₀ O ₆	luteolin
15	10.23	Negative	301.0357	1.06	301.0351 178.9964 151.0022	-H	C ₁₅ H ₁₀ O ₇	Quercetin
16	10.28	Negative	283.0608	-1.41	268.0365 211.0395 239.0346 195.0446 148.0159 135.0078	-H	C ₁₆ H ₁₂ O ₅	Calycosin
17	12.24	Negative	299.0561	-0.03	299.0540 284.0332 239.0353	-H	C ₁₆ H ₁₂ O ₆	pratensein
18	12.81	Negative	1219.6111	-0.50	749.4624 469.1572	-H	C ₅₉ H ₉₆ O ₂₆	Anemoside B4
19	12.91	Negative	987.5177	1.80	941.5143 471.3481	+HCOO ⁻	C ₄₈ H ₇₈ O ₁₈	Anemoside C
20	13.31	Negative	267.0661	-0.67	252.0420 195.0446 223.0398 132.0214	-H	C ₁₆ H ₁₂ O ₄	formononetin
21	13.56	Negative	871.4709	2.66	871.4721 825.4706 765.4510	+HCOO ⁻	C ₄₃ H ₇₀ O ₁₅	Astragaloside II
22	13.67	Negative	299.0919	-2.01	269.0449 284.0676 241.0504	-H	C ₁₇ H ₁₆ O ₅	3-Hydroxy-9,10-dimethoxyptercarpan
23	13.88	Negative	829.4588	0.95	783.4583 829.4672	+HCOO ⁻	C ₄₁ H ₆₈ O ₁₄	Astragaloside A

24	15.35	Negative	911.5015	0.57	749.4487 603.3938 471.3519	-H	C ₄₇ H ₇₆ O ₁₇	Anemoside D
25	16.11	Negative	911.5033	2.55	911.5081 603.3924	-H	C ₄₇ H ₇₆ O ₁₇	Anemoside B3
26	16.79	Negative	913.4788	-0.37	913.4858 867.4859 825.4766	+HCOO ⁻	C ₄₅ H ₇₂ O ₁₆	Astragaloside I
27	0.98	Positive	127.03897	1.34	127.0382 109.0282	+H	C ₆ H ₆ O ₃	5-hydroxymethylfurfural
28	3.45	Positive	291.08631	0.38	139.0405 123.0433	+H	C ₁₅ H ₁₄ O ₆	catechin
29	9.24	Positive	449.10784	0.09	449.1100 303.0499	+H	C ₂₁ H ₂₀ O ₁₁	Quercitrin
30	11	Positive	817.3010	0.00.	817.2854 245.0723	+H	C ₄₂ H ₅₆ N ₈ O ₉	pesudostellarin G
31	11.61	Positive	751.4627	2.79	437.3415 455.3522 189.1668 409.3412 619.4401	+H	C ₄₁ H ₆₆ O ₁₂	Anemoside A3
32	11.62	Positive	1221.62626	1.52	437.3417 455.3466 409.3435 279.1110 207.1726 473.3551	+H	C ₅₉ H ₉₆ O ₂₆	Hederacoside C
33	13	Positive	801.42698	2.47	801.4272 773.4352	+Na	C ₄₀ H ₅₈ N ₈ O ₈	Heterophyllin B
34	14	Positive	728.43414	1.98	197.1304 310.2134 514.3156 627.4033 457.2953	+H	C ₃₇ H ₅₇ N ₇ O ₈	Heterophyllin A
35	14.96	Positive	878.51345	5.41	365.2265 618.3741	+H	C ₄₅ H ₆₇ N ₉ O ₉	pesudostellarin E
36	15	Positive	285.07575	1.23	285.0737 270.0539	+H	C ₁₆ H ₁₂ O ₅	Wogonin
37	15.31	Positive	751.4627	1.33	203.1788 391.3440 409.3492 455.3534	+H	C ₄₁ H ₆₆ O ₁₂	α-Hederin
38	17.38	Positive	302.30536	1.19	88.0778 284.2958 106.0879	+H	C ₁₈ H ₃₉ NO ₂	Sphingosine