

**Table S2.** Contents of 13 components (mg/g) and dry extract (%) in single factor samples

Nemb	Germacrone	Gallic acid	Geniposide	Paeoniflorin	Chebulinic acid	Coptisine hydrochloride	Baicalin	Berberine	Wogonoside	Baicalein	Wogonin	Emodin	Chrysophanol	Yield of dry extract
Ethanol concentration 50%	2.0087	11.2327	26.5897	74.9702	22.4385	2.8795	15.7169	66.6675	3.6774	4.5143	2.9926	1.6823	22.1451	40.9
Ethanol concentration 60%	4.0295	17.2852	41.3008	159.7721	27.8918	2.8001	14.3643	34.8702	4.4738	4.0268	2.3792	2.3959	23.4405	26.85
Ethanol concentration 70%	5.7887	13.3970	45.1618	128.2105	21.6098	3.7348	13.4250	32.5532	26.7480	1.3260	2.4717	3.0118	29.3518	28.19
Ethanol concentration 80%	3.9806	13.2441	34.7898	108.7280	21.5611	3.4890	11.2888	33.9374	3.6881	1.9777	2.4471	2.5619	26.7725	29.46
Reflux temperature 40 °C	3.4157	7.3506	18.5352	48.4917	21.8474	5.8382	12.9634	55.1385	3.2453	7.4717	3.3815	1.8103	16.7667	23.26
Reflux temperature 50 °C	5.7137	7.3139	21.9865	59.2071	22.5603	6.0375	15.4378	65.3865	4.0131	8.6450	3.3943	1.8154	18.2819	35.49
Reflux temperature 60 °C	6.7145	8.2004	19.9603	55.1335	28.5620	7.0264	21.9377	72.3804	5.2881	9.6080	3.7103	2.3160	19.8155	33.51
Reflux temperature 70 °C	5.5917	7.6257	18.9632	51.0067	27.6846	5.8924	11.4927	65.3091	5.2666	9.2300	3.0999	1.9016	17.8657	31.88
Reflux time 40 min	0.6331	6.8493	17.4379	58.8529	23.0539	6.0550	15.2821	71.5981	4.1702	9.5105	3.5784	1.7115	17.2695	35.31
Reflux time 50 min	12.9389	7.4851	20.7890	67.7794	25.9481	7.5779	17.9980	77.8741	5.2666	11.7393	3.6719	2.1411	21.0527	32.79
Reflux time 60 min	1.5188	9.2642	17.7794	63.5287	23.8216	7.8681	24.3691	85.6418	5.5881	13.8619	3.8442	2.4238	23.1575	32.15

Reflux time 70 min	4.3276	6.6537	15.8989	52.2111	21.5793	5.8943	16.4952	70.6266	4.5524	13.1504	3.4337	1.8078	21.7871	36.93
Ultrasonic intensity 40 KHZ	1.9442	11.0677	33.7927	60.6240	23.9069	2.6724	15.0352	69.9001	3.0739	10.5744	3.8698	1.8065	15.1298	32.19
Ultrasonic intensity 50 KHZ	2.1552	10.3585	33.4649	85.7564	27.2703	7.8140	17.1983	83.4065	7.0737	10.2118	3.3224	2.2793	18.2003	21.6
Ultrasonic intensity 60 KHZ	5.4225	6.7026	17.7339	57.4005	23.2245	5.9640	17.6169	62.2914	4.2631	9.4370	3.5183	2.2159	22.1767	23.74
Ultrasonic intensity 70 KHZ	4.7600	7.0144	11.0408	48.9522	22.1947	5.3254	17.2198	54.7559	4.1881	8.7049	3.5124	2.2007	20.7280	22.83
Liquid-material ratio 15:1	0.3489	4.6301	14.1688	43.6920	19.8672	4.0560	12.3086	46.2230	4.0952	7.1672	3.3539	2.0423	21.6272	36.45
Liquid-material ratio 20:1	2.4202	5.7733	17.7794	58.8529	24.2116	6.1285	22.6033	66.8222	5.4059	8.1866	3.5429	2.2996	24.1399	34.93
Liquid-material ratio 25:1	6.4913	10.7987	22.2733	131.0974	48.9008	12.8297	37.9808	138.0770	7.4201	19.0138	5.1616	2.2565	21.9985	33.45
Liquid-material ratio 30:1	2.1796	7.5768	19.6188	79.9117	36.3064	6.3472	29.5862	101.0440	6.0773	11.3134	3.9515	2.2438	21.9219	32.18