

Supporting Information : Simultaneous quantification of multiple representative components in the Xian-Ling-Gu-Bao capsule by ultra-performance liquid chromatography coupled with quadrupole time-of-flight tandem mass spectrometry

Legends

Table S1 Contents (mg/g) of 18 chemical markers in 34 batches of XLGB samples

Figure S1 Extracted ion chromatograms (EICs) of 18 chemical markers

(a: Control solvent; b: Reference standards of 18 chemical markers; c: XLGB; 1: sweroside; 2: magnoflorine; 3: psoralen; 4: timosaponin BII; 5: isopsoralen; 6: epimedin A; 7: epimedin B; 8: epimedin C; 9: icariin; 10: asperosaponin VI; 11: isobavachin; 12: neobavaisoflavone; 13: icariside II; 14: psoralidin; 15: isobavachalcone; 16: bavachinin; 17: corylifol A; 18: tanshinone IIA)

Table S1 Contents (mg/g) of 18 chemical markers in 34 batches of XLGB samples

Batches	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
091104	1.098	11.173	0.463	0.211	0.508	1.150	1.017	14.801	6.11	10.051	0.197	0.629	0.610	0.123	0.332	0.984	0.475	0.017
100142	0.747	11.729	0.572	0.217	0.621	0.630	0.637	8.618	2.856	5.844	0.130	0.383	0.348	0.056	0.048	2.062	0.376	0.023
100317	0.701	7.096	0.565	0.187	0.579	0.522	0.515	11.399	3.529	10.57	0.095	0.331	0.328	0.050	0.052	1.977	0.306	0.014
100324	1.027	5.830	0.534	0.219	0.592	0.835	0.870	9.277	4.437	8.754	0.122	0.340	0.394	0.057	0.065	2.039	0.330	0.017
100506	0.606	3.812	0.583	0.227	0.820	0.356	0.451	4.584	2.057	6.935	0.190	0.317	0.335	0.054	0.052	1.213	0.32	0.012
100509	0.668	4.374	0.674	0.175	0.873	0.451	0.509	4.994	2.402	7.049	0.192	0.344	0.354	0.050	0.059	1.463	0.331	0.005
100523	0.970	5.647	0.551	1.681	0.612	0.823	0.854	18.411	3.355	9.721	0.135	0.469	0.401	0.100	0.246	0.663	0.379	0.015
100832	1.131	8.211	0.606	0.799	0.663	0.538	0.572	11.482	2.354	15.296	0.251	0.659	0.470	0.120	0.332	0.971	0.504	0.019
100840	1.118	10.64	0.539	0.288	0.602	0.517	0.443	11.436	1.845	17.549	0.273	0.708	0.309	0.117	0.277	0.833	0.530	0.026
100846	1.209	10.258	0.488	0.205	0.576	0.437	0.346	10.543	1.610	15.469	0.265	0.618	0.279	0.094	0.217	1.648	0.305	0.022
100901	1.009	7.546	0.498	0.201	0.536	0.560	0.530	12.092	2.188	2.724	0.167	0.582	0.334	0.111	0.257	0.669	0.461	0.026
100929	1.040	8.334	0.694	0.671	0.754	0.928	0.979	15.012	5.770	8.928	0.165	0.497	0.732	0.094	0.244	0.677	0.359	0.021
101038	1.030	6.454	0.410	1.300	0.426	0.505	0.419	10.201	2.043	4.169	0.172	0.548	0.245	0.087	0.196	1.825	0.277	0.011
101123	1.160	9.413	0.465	0.243	0.464	0.448	0.383	12.397	1.644	7.655	0.207	0.643	0.271	0.100	0.307	0.909	0.48	0.01
101151	1.130	6.819	0.890	0.365	1.098	0.554	0.551	11.452	2.374	11.404	0.228	0.480	0.487	0.091	0.129	1.035	0.245	0.011
101157	0.773	5.639	0.789	0.273	1.004	0.404	0.396	8.845	1.795	10.553	0.232	0.443	0.378	0.087	0.127	0.388	0.277	0.007
101165	0.447	8.129	0.493	0.215	0.412	0.353	0.277	7.131	1.428	2.478	0.108	0.337	0.187	0.069	0.129	1.017	0.172	0.010
101171	0.719	8.249	0.711	0.195	0.695	0.573	0.426	11.257	1.993	5.110	0.153	0.476	0.298	0.110	0.236	0.684	0.404	0.022
101214	0.848	10.138	0.659	0.571	0.629	0.444	0.329	11.850	1.540	3.908	0.150	0.627	0.276	0.144	0.281	0.873	0.532	0.024
101220	0.911	8.608	0.600	0.899	0.601	0.388	0.339	11.168	1.581	3.277	0.177	0.565	0.249	0.120	0.267	0.835	0.468	0.027
110111	0.775	9.120	0.670	1.134	0.604	0.414	0.240	8.562	1.293	8.852	0.183	0.690	0.201	0.176	0.265	1.863	0.377	0.027
110115	0.792	7.389	0.505	0.963	0.450	0.349	0.305	8.127	1.402	1.957	0.149	0.508	0.215	0.123	0.196	1.669	0.280	0.041
110125	1.286	4.608	0.817	1.116	0.762	0.333	0.222	8.956	1.255	5.726	0.186	0.786	0.199	0.165	0.415	1.273	0.632	0.019
110220	1.279	9.606	0.855	2.230	0.847	0.457	0.340	10.960	1.533	4.609	0.185	0.570	0.273	0.111	0.254	0.734	0.419	0.050
110319	0.938	8.029	0.908	2.756	0.786	0.344	0.240	8.663	1.252	4.150	0.116	0.463	0.210	0.099	0.229	0.555	0.376	0.035

110353	0.579	6.728	0.957	1.290	0.873	0.501	0.386	8.875	1.805	1.852	0.104	0.384	0.258	0.091	0.137	0.859	0.207	0.037
110354	0.737	8.264	1.024	1.166	0.882	0.488	0.420	9.909	1.956	1.871	0.129	0.408	0.297	0.065	0.189	0.556	0.327	0.029
110358	0.880	7.711	0.632	1.171	0.581	0.445	0.350	9.189	1.725	1.616	0.143	0.535	0.289	0.118	0.265	0.816	0.455	0.038
110361	0.651	5.585	0.458	0.884	0.428	0.289	0.187	5.479	1.134	1.242	0.085	0.307	0.167	0.063	0.091	0.737	0.135	0.017
110362	0.714	6.064	0.480	1.660	0.472	0.369	0.247	7.304	1.325	1.363	0.083	0.369	0.208	0.090	0.166	0.642	0.298	0.026
110955	0.483	2.930	0.799	1.320	0.777	0.362	0.244	4.650	1.249	11.514	0.129	0.531	0.202	0.097	0.164	1.244	0.306	0.046
111031	0.950	8.075	0.583	1.122	0.550	0.366	0.241	9.933	1.393	4.142	0.14	0.645	0.245	0.098	0.282	0.873	0.564	0.017
1112009	0.528	5.136	0.896	1.548	0.786	0.287	0.230	7.697	1.230	8.398	0.084	0.301	0.259	0.059	0.155	0.326	0.315	0.017
1203061	0.644	6.468	0.778	1.041	0.637	0.276	0.239	9.655	1.208	10.424	0.062	0.338	0.288	0.023	0.166	0.513	0.272	0.027

Notes: 1: sweroside; 2: magnoflorine; 3: psoralen; 4: timosaponin BII; 5: isopsoralen; 6: epimedin A; 7: epimedin B; 8: epimedin C; 9: icariin; 10: asperosaponin VI; 11: isobavachin; 12: neobavaisoflavone; 13: icariside II; 14: psoralidin; 15: isobavachalcone; 16: bavachinin; 17: corylifol A; 18: tanshinone IIA.

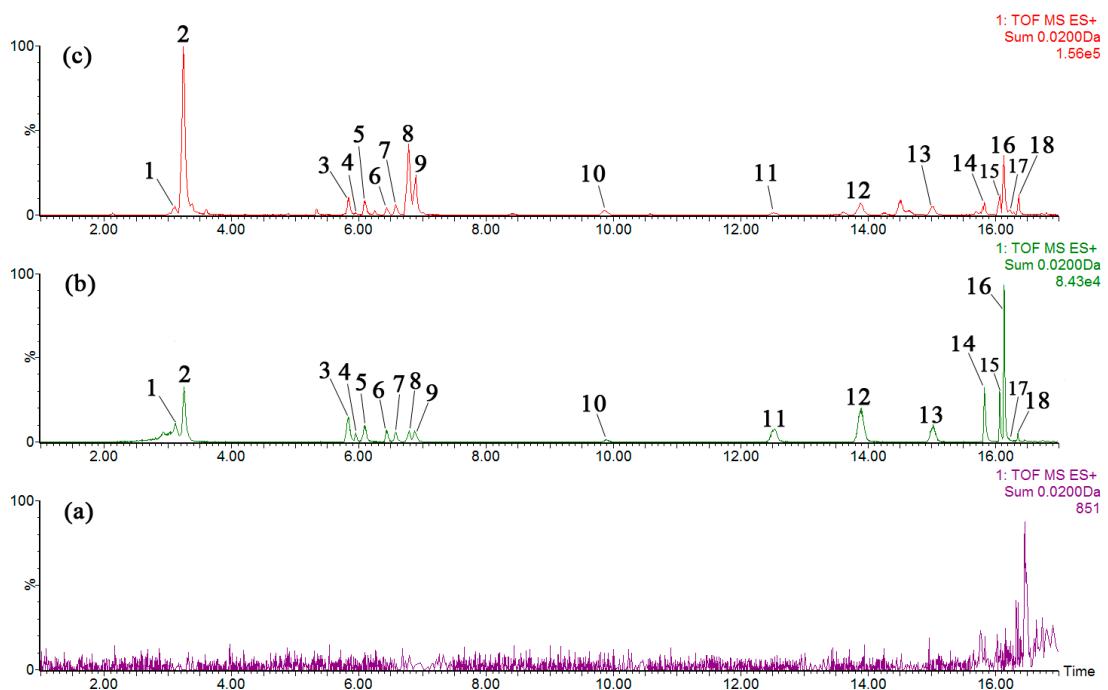


Figure S1 Extracted ion chromatograms (EICs) of 18 quantitative chemical markers

(a: Control solvent; b: Reference standards of 18 quantitative chemical markers; c: XLGB; 1: sweroside; 2: magnoflorine; 3: psoralen; 4: timosaponin BII; 5: isopsoralen; 6: epimedin A; 7: epimedin B; 8: epimedin C; 9: icariin; 10: asperosaponin VI; 11: isobavachin; 12: neobavaisoflavone; 13: icariside II; 14: psoralidin; 15: isobavachalcone; 16: bavachinin; 17: corylifol A; 18: tanshinone IIA)