

Supplementary Information

Evaluation of quality consistency of Astragali Radix by multi-dimensional profiles combined with chemometric analysis

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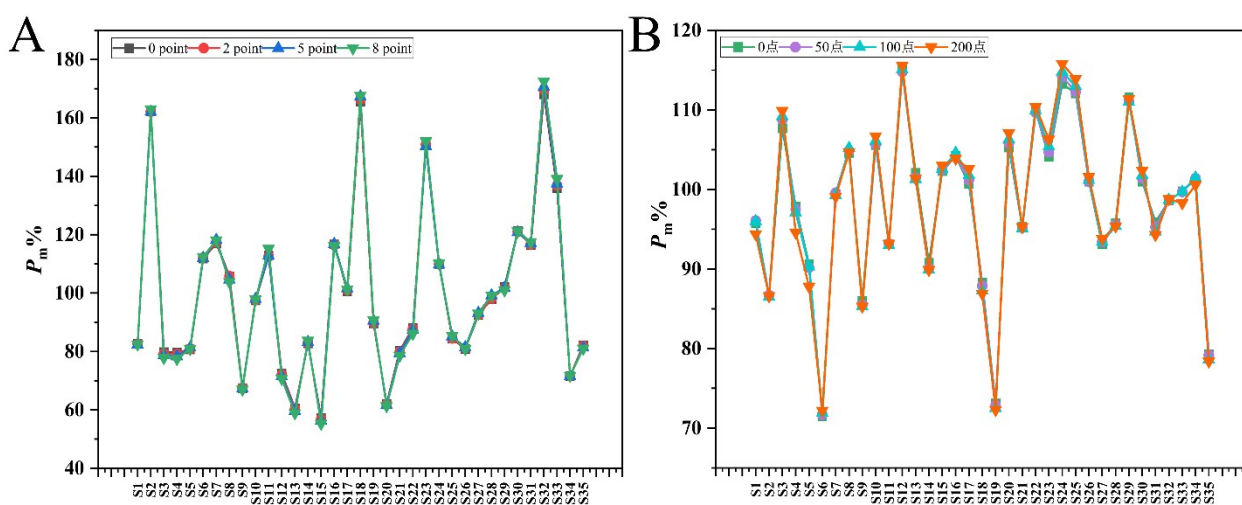


Fig. S1 Comparison of Pm values between FTIR(A), DSC (B) quantum fingerprints and original fingerprints

Table S1 Classification criteria for SQFM

Para.	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
$S_m \geq$	0.95	0.9	0.85	0.8	0.7	0.6	0.5	<0.50
$P_m =$	95~105	90~110	85~115	80~120	70~130	60~140	50~150	0~∞

Table S2 Thermal behavior parameters in DSC curve.

Para.	ΔH_1 (J/g)	ΔH_2 (J/g)	ΔH_3 (J/g)	Total enthalpy change (J/g)
S1	9.93	365.72	262.01	617.80

S2	4.82	295.55	137.29	428.02
S3	6.56	705.69	1784.36	2483.49
S4	13.38	382.77	831.68	1201.07
S5	9.92	531.05	123.06	644.19
S6	13.20	436.26	361.14	784.20
S7	28.09	493.61	758.78	1224.30
S8	16.12	502.92	818.11	1304.91
S9	16.49	285.70	27.13	296.34
S10	16.46	722.18	671.41	1377.13
S11	13.74	356.94	769.08	1112.28
S12	9.67	465.53	1240.74	1696.60
S13	8.46	421.11	1095.42	1508.07
S14	7.78	431.89	604.81	1028.92
S15	8.83	539.31	894.97	1425.45
S16	23.99	620.48	801.59	1398.08
S17	38.10	561.44	1350.14	1873.48
S18	17.48	570.64	148.63	701.79
S19	22.43	424.15	231.32	633.04
S20	15.38	715.02	1102.60	1802.24
S21	4.73	320.10	390.57	705.94
S22	7.20	472.95	190.01	655.76
S23	21.58	867.16	1139.08	1984.66
S24	16.04	872.48	2544.95	3401.39
S25	20.04	807.03	624.45	1411.44
S26	20.02	539.65	269.51	789.14
S27	14.96	454.94	587.37	1027.35
S28	7.94	429.11	1157.72	1578.89
S29	4.98	386.85	1200.92	1582.79
S30	15.47	602.25	1013.03	1599.81

S31	18.81	552.13	406.64	939.96
S32	3.28	375.74	940.34	1312.80
S33	2.68	389.70	1215.47	1602.49
S34	21.34	520.60	1412.21	1911.47
S35	18.85	439.86	60.25	481.26
