

## Supplementary Material

**Table S1.** The quantification of six herbs with chemical standards.

Herbs	Standard compounds	RT/min	Content (%)			Average content (%)	SD	Standards ( $r^2$ )
<i>Glycyrrhiza uralensis</i>	liquiritin	12.3	0.82	0.78	0.82	0.81	0.01341	0.9996
	glycyrrhizic acid	33.7	3.98	2.74	4.17	3.63	0.44867	1.0000
<i>Microcos paniculata</i>	apigenin-8-C-glucoside	31.4	0.03	0.03	0.03	0.03	0.00108	0.9999
<i>Chrysanthemum morifolium</i>	chlorogenic acid	12.2	0.61	0.60	0.63	0.62	0.01001	0.9998
	luteolin-7-O-glucoside	24.8	0.28	0.28	0.27	0.28	0.00325	0.9999
<i>Lonicera japonica</i>	chlorogenic acid	9.6	3.06	4.41	4.04	3.84	0.40487	0.9997
<i>Prunella vulgaris</i>	rosmarinic acid	15.0	0.26	0.43	0.23	0.31	0.06166	0.9998
<i>Plumeria rubra</i>	plumieride	19.6	4.41	3.10	2.42	3.31	0.58354	0.9999

### 1.1.1

#### 1.1.2 Solution preparation :

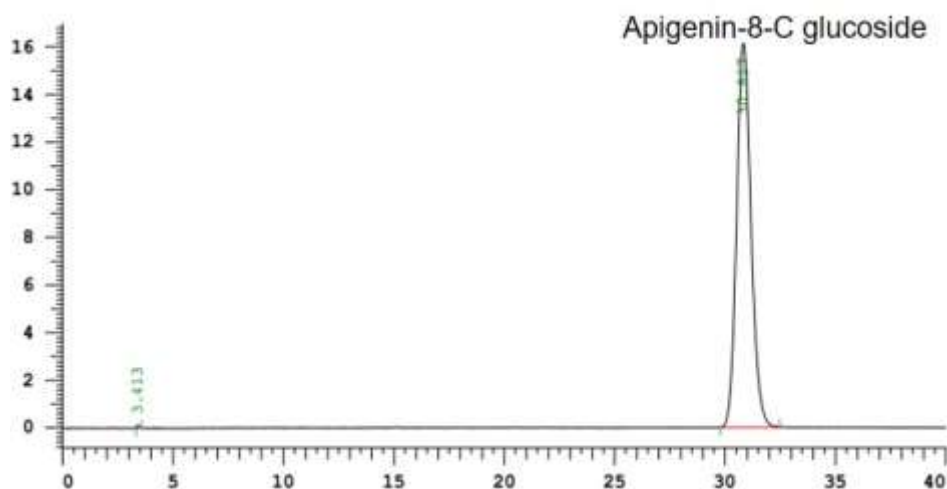
The standard stock solutions of liquiritin, glycyrrhizic acid, chlorogenic acid, luteolin-7-O-glucoside, rosmarinic acid, and plumieride were prepared in 70% methanol with a concentration of 200  $\mu\text{g/mL}$ . For sample preparation, lyophilized samples were prepared in 70% methanol with a concentration of 200  $\mu\text{g/mL}$ . The solution was diluted 200 times and then filtered through a membrane filter (0.45  $\mu\text{m}$ ) before being injected into the HPLC system for analysis.

**Methods for HPLC:**

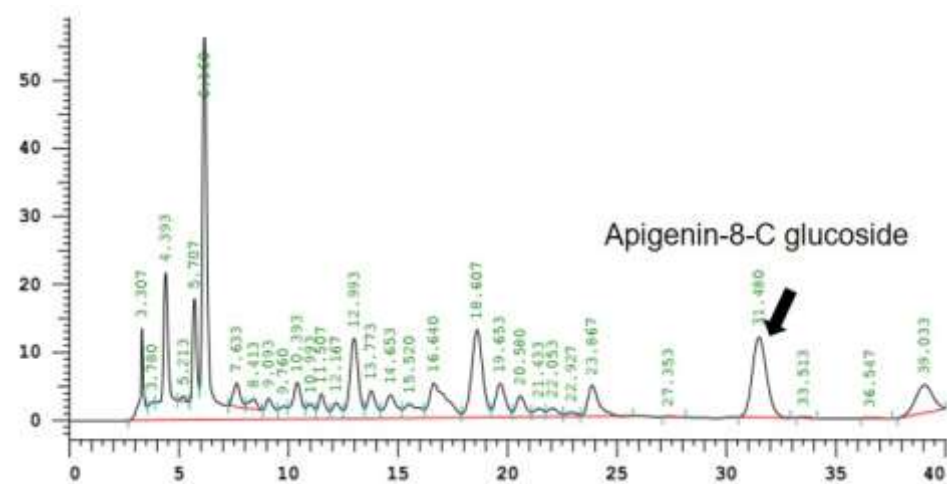
HPLC-DAD analyses were performed using a 1200 Series HPLC-DAD system (Agilent). A C18 column (250 × 4.6 mm, 5.0  $\mu$ m, Agilent) was used for the chromatographic separations. The mobile phase consisted of 0.1% (v/v) formic acid aqueous solution (A) and acetonitrile (B), using a gradient elution of 5–20% A at 0–8 min, 20–25% A at 8–15 min, 25% A at 15–20 min, 25–40% A at 20–30 min, and 40–60% A at 30–40 min. The wavelength was set at 280 nm. The injection volume was 20  $\mu$ l, and the flow rate was kept at 1 ml/min.

**Figure S1.** The quantification of bioactive compounds in six herbs in this study by HPLC.

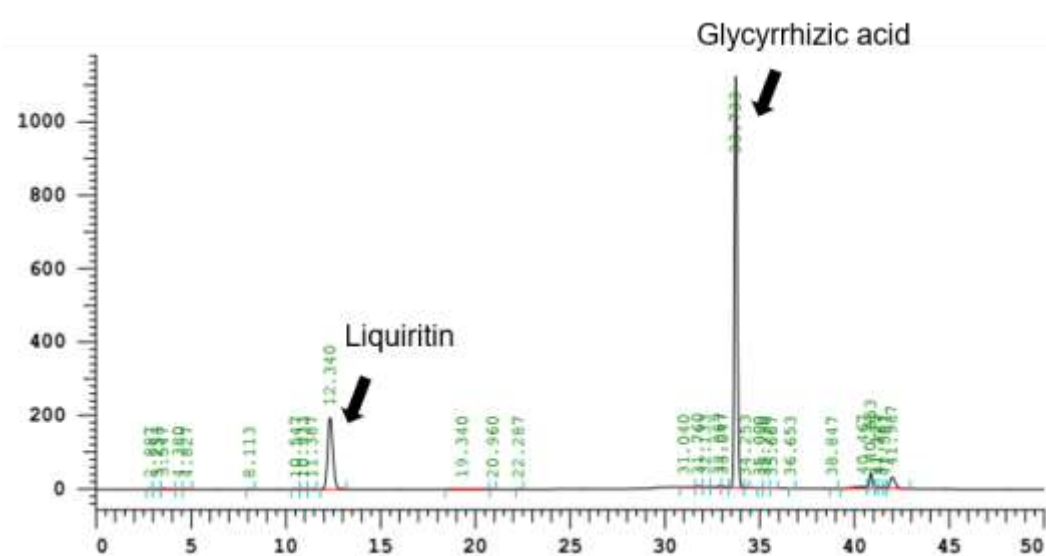
HPLC of standard apigenin-8-C-glucoside.



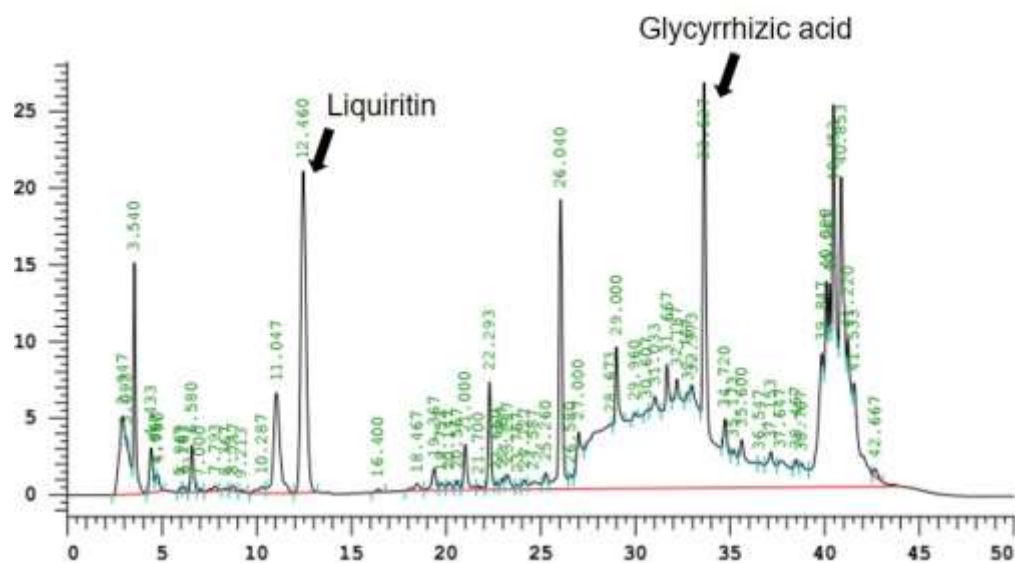
HPLC of apigenin-8-C-glucoside in the herb sample of *Microcos paniculate*.



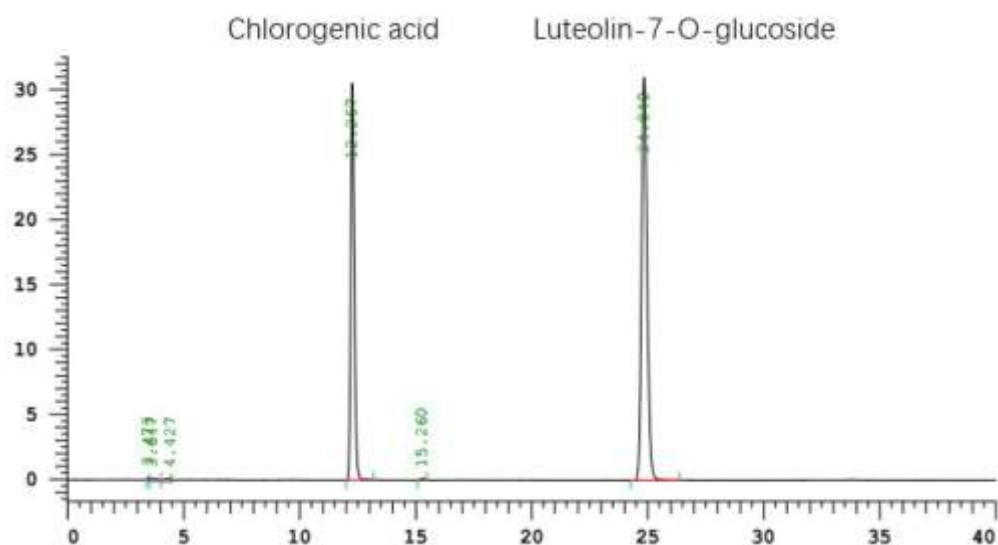
HPLC of standard glycyrrhizic acid.



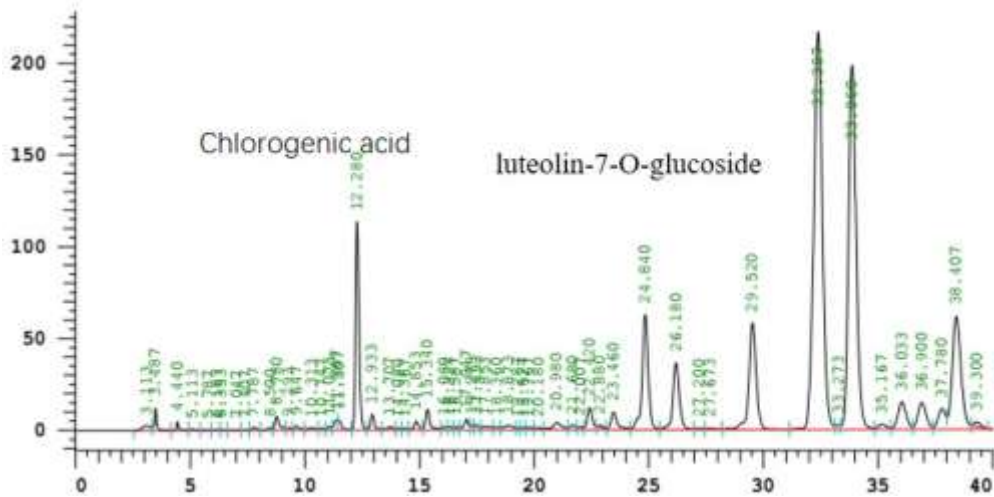
HPLC of glycyrrhizic acid in the herb sample of *Glycyrrhiza uralensis* Fisch.



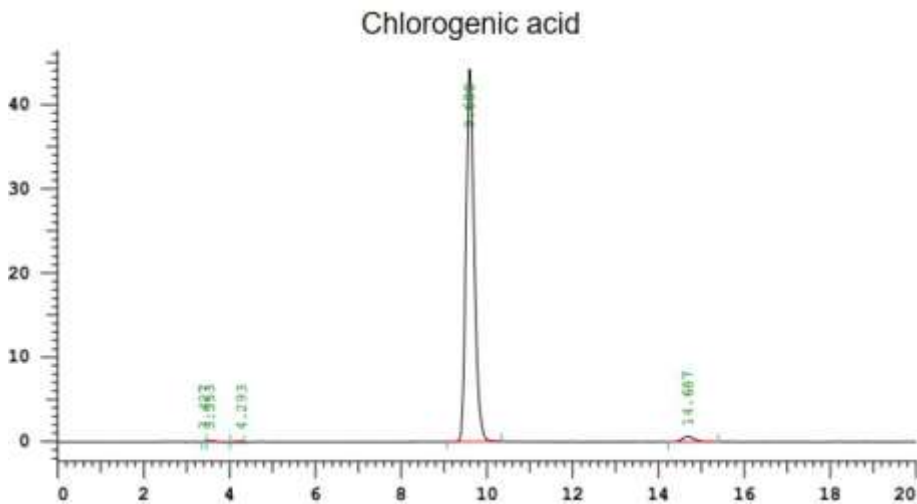
HPLC of standard chlorogenic acid and luteolin-7-O-glucoside.



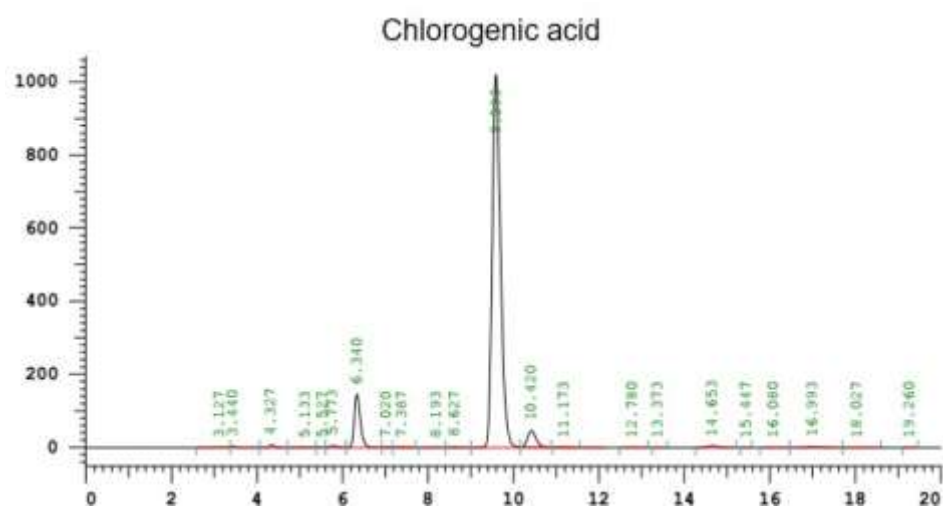
HPLC of chlorogenic acid and luteolin-7-O-glucoside in the herb sample of *Chrysanthemum morifolium* Ramat.



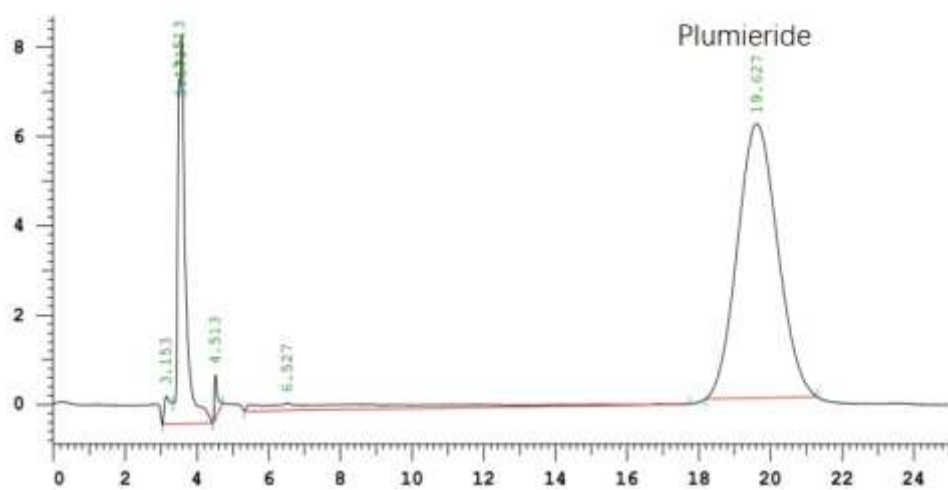
HPLC of chlorogenic acid.



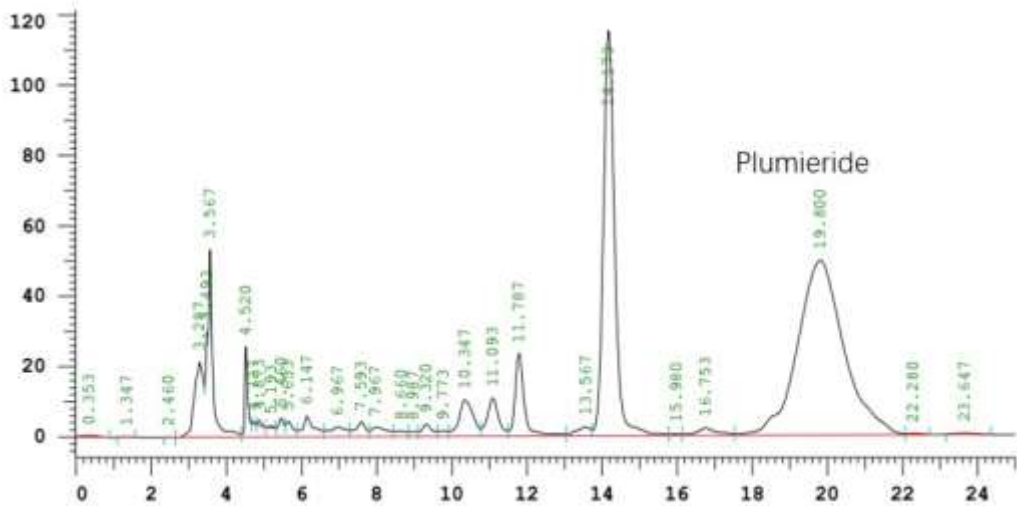
HPLC of chlorogenic acid in *Lonicera japonica* Thunb. herb sample.



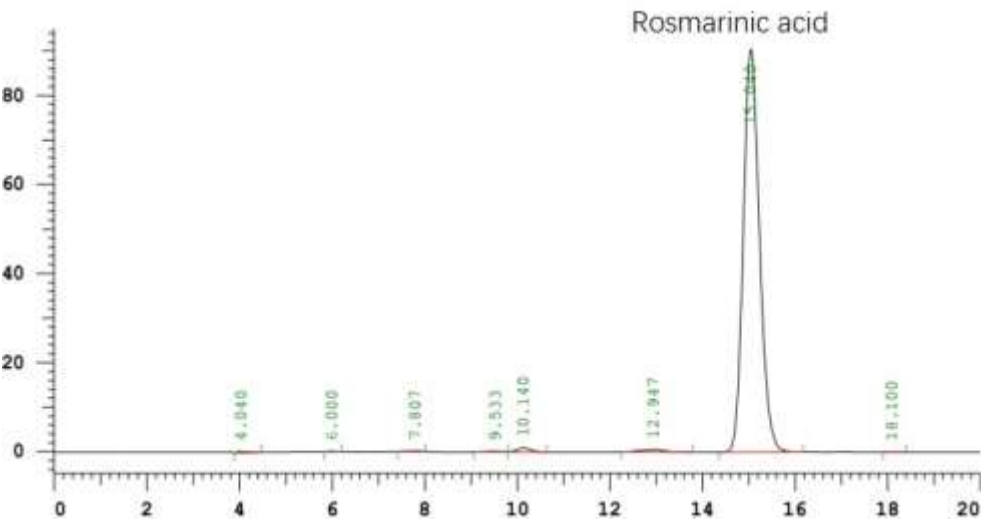
HPLC of standard plumieride.



HPLC of plumieride in herb sample of *Plumeria rubra* L.



HPLC of standard rosmarinic acid.



HPLC of rosmarinic acid in herb sample of *Prunella vulgaris* L.

