

Table 1: All the samples we collected in this research.

NO.	Herb	Code	Factory	Origin	NO.	Herb	Code	Factory	Origin	NO.	Herb	Code	Factory	Origin
1	<i>Raw Huangqin</i>	S1	Anhui Bozhou Herb Trading Center	Gansu	1	<i>Alcohol Huangqin</i>	J1	Huqiao	Gansu	1	<i>Carbonized Huangqin</i>	T1	Huqiao	Gansu
2		S2			2		J2			2		T2		
3		S3			3		J3			3		T3		
4		S4			4		J4			4		T4		
5		S5			5		J5			5		T5		
6		S6			6		J6			6		T6		
7		S7		Hebei	7		J7		7	T7				
8		S8			8		J8		8	T8				
9		S9		Neimeng	9		J9		9	T9				
10		S10			10		J10		10	T10				
11		S11		Shanxi	11		J11		11	T11				
12		S12			12		J12		12	T12				
13		S13			13		J13		13	T13				
14		S14			14		J14		14	T14				
15		S15	Jiren	Gansu	15		J15	Jiren	Gansu	15		T15	Jiren	Gansu
16		S16	Huqiao	—	16		J16	Huqiao	—	16		T16	Huqiao	—

Table 2: The gradient elution procedure of mobile phase.

Time (min)	Phase A (%) (Methanol)	Phase B (%) (0.1% formic acid)
0.00	30	70
10	40	60
20	50	50
30	50	50
60	60	40
70	80	20
80	100	0
90	100	0

Table 3: Calibration relationships between the peak area and sample concentration.

Compound	Curves	Linear Range ( $\mu\text{g}$ )	r	LOD ( $\mu\text{g}\cdot\text{mL}^{-1}$ )	LOQ ( $\mu\text{g}\cdot\text{mL}^{-1}$ )
Scutellarin	$Y=2425X-22.124$	0.0464~1.865	0.9999	0.232	0.52
Baicalin	$Y=2951.9X+1459.6$	1.03~41.2	0.9998	0.0715	0.43
Wogonoside	$Y=3059.9X-196.23$	0.214~8.56	0.9995	0.19	0.56
Baicalein	$Y=4659X-82.96$	0.221~8.840	0.9999	0.11	0.51
Wogonin	$Y=5049.2X-25.751$	0.1095~4.38	0.9999	0.59	1.35
Chrysin	$Y=3522.2X+21.913$	0.012~0.47	0.9995	0.17	0.58
Oroxylin-A	$Y=3694.6X+127.06$	0.0985~3.47	0.9998	0.061	0.15