

Table S1 Related data from some references

References	Analysis method	Target analytes	Analysis time / min	LOQ qualitative or	flow rate mL·min ⁻¹
[9]	HPLC-UV	1(Paeoniflorin)	10.5	0.1 µg·mL ⁻¹	1.0
[10]	HPLC-DAD	6(paeoniflorin, glycyrrizin, liquiritin, cinnamic acid, cinnamaldehyde and glycyrrhizic acid)	65	0.13-21 µg·mL ⁻¹	1.0
[11]	HPLC-UV	9(gallic acid, protocatechuic acid, albiflorin, paeoniflorin, glycyrrhizin, liquiritin, cinnamic acid, cinnamaldehyde, glycyrrhizic acid)	105	0.025-17.319 g·mL ⁻¹	0.8
[12]	GC-MS	volatile oils	50	Only qualitative	1.0
Yuqin zhang, Huang Li, Mei Huang, Kedan Chu, Wei Xu, Shengnan Zhang, Jinhua Que, Lidian Chen. Neuroprotective effects of Gualou Guizhi Decoction in vivo and in vitro. Journal of Ethnopharmacology 2014, 158: 76 - 84.	HPLC-DAD	9 (gallic acid, protocatechuic acid, albiflorin, peoniflorin, liquiritigenin, liquiritin, cinnamaldehyde, cinnamic acid, glycyrrhizin)	105	Only qualitative	1.0
Our study	UPLC-MS/MS	41(including 15 phenolic acids, 14 flavonoids, 4 monoterpene glycosides,	6.3	0.12–70.9 ng/mL	0.25

		4 triterpenes, 3 gingerols and 1 galloyl glucose			
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