

## Supplementary material

Figure S1 Extraction and purification of Huangjiu polyphenol extract (HPE).

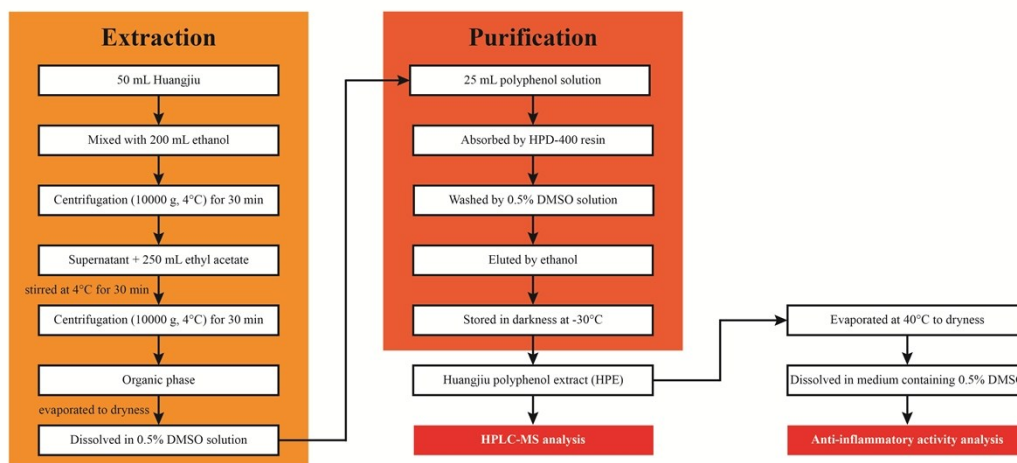


Figure S2 Chromatographic profile of Huangjiu polyphenol extract (HPE).

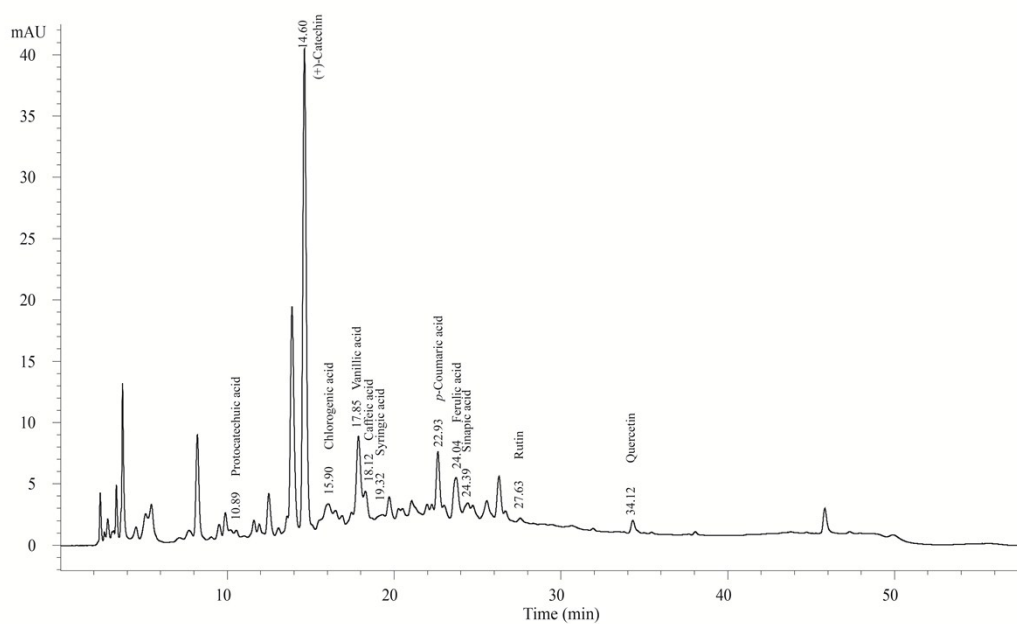


Figure S3 Effect of huangjiu polyphenol extract (HPE) on cell viability of RAW264.7 macrophages.

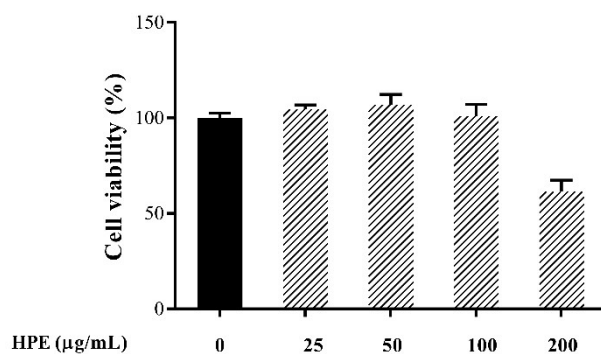


Table S1 Polyphenols yield during extraction and purification.

Samples	Volum e (mL)	Polyphenol (mg)	Polyphenol yield (%)	Removal of protein (%)	Removal of total sugar (%)
Huangjiu	117	54.61±1.84	100	100	100
Organic phase	617	50.30±1.52	92.10±1.27	37.02±2.51	84.09±2.41
0.5% DMSO	26	25.95±0.76	47.52±1.21	44.08±0.94	84.24±1.35
HPE	10	12.32±0.34	22.57±0.83	90.57±1.10	97.99±0.22

Table S2 Polyphenols yield during extraction by ethyl acetate. During extraction, 100 mL huangjiu was mixed with equal volume of ethyl acetate, and organic and water phase were obtained after centrifugation (10000 g, 4°C).

Organic solvent	Sample	Volume (mL)	Total polyphenol (mg)	Yield (%)
Ethyl acetate	Huangjiu	100	54.61±1.84	100
	Organic phase	100	7.01±0.34	12.83±0.84
	Water phase	100	43.9±0.61	80.39±1.41