

Establishment of Polydopamine-modified HK-2 cell membrane chromatography and screening of active components from *Plantago asiatica* L.

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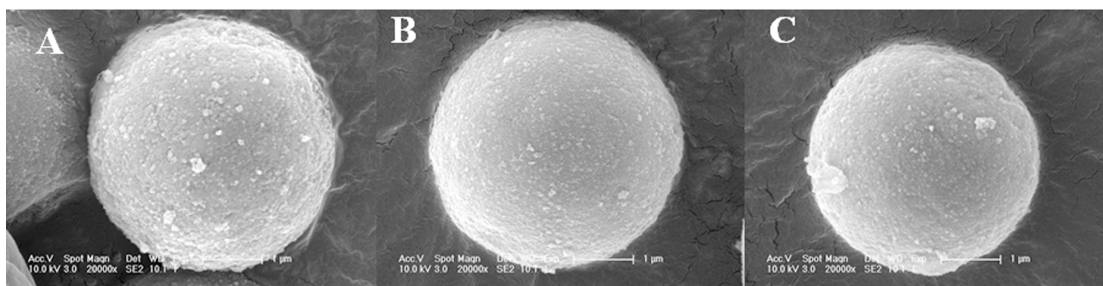


Figure S1 The SEM image. (A) silica gel, (B) silica gel after vacuum stirring, and (C) silica gel after suction filtration.

Table S1 The diameter of silica gel treated with different methods

sample	Average diameter (μm)	RSD (%)
silica gel	4.18	0.78
silica gel after vacuum stirring	3.98	0.93
silica gel after suction filtration	3.64	2.11

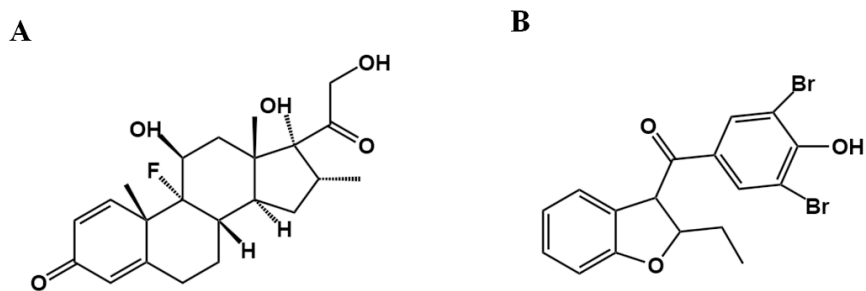


Figure S2 The chemical structure of (A) dexamethasone and (B) benzbromarone.

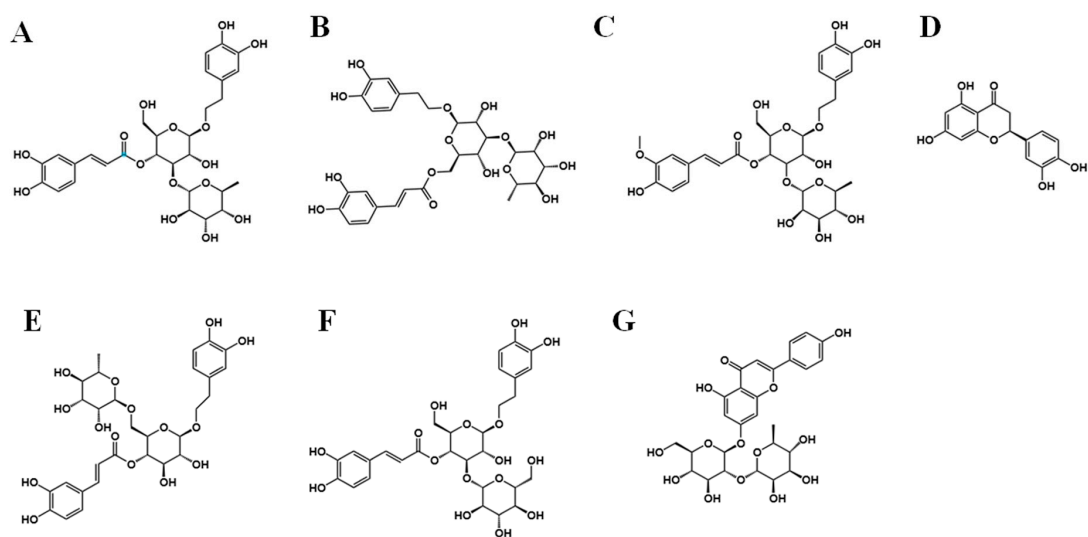


Figure S3 The chemical structure of seven potential gout treatment components selected from *Plantago asiatica* L. (A) acteoside, (B) isoacteoside, (C) leucoseptoside A, (D) eriodictyol, (E) forsythiaside A, (F) plantamajoside, (G) rhoifolin.

Table S2. The precursor ions, product ions, and voltage parameters

Analytes	Precursor <i>m/z</i>	Product <i>m/z</i>	Q1(V)	Q3(V)
Uric acid	167.10	124.15	19	12
Hippuric acid	178.15	134.20	17	12

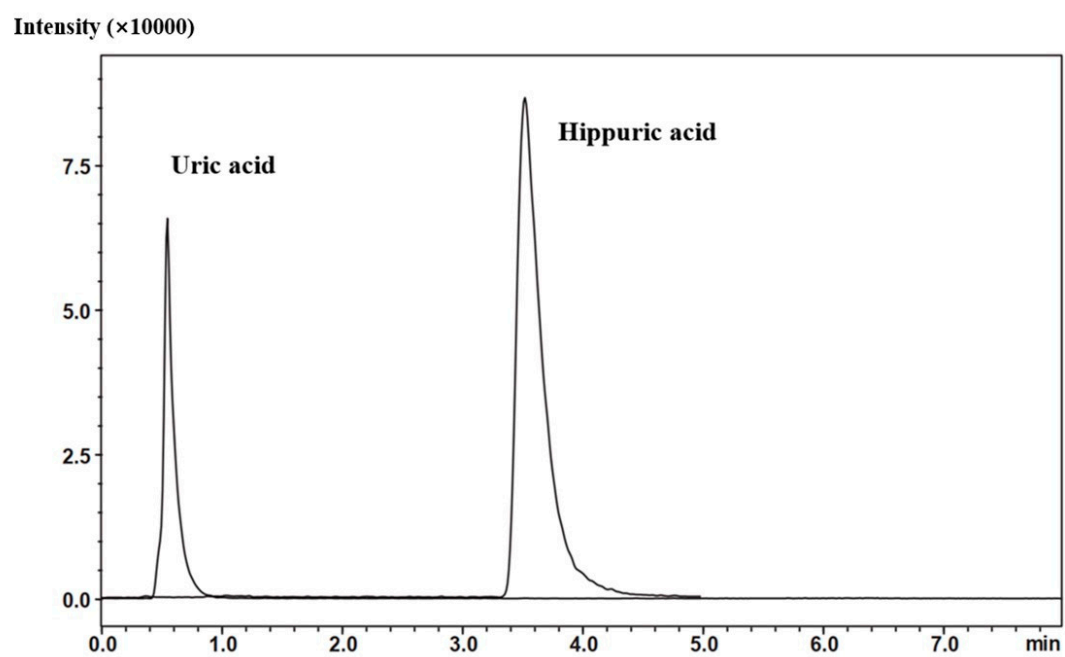


Figure S4. Base peak intensity chromatograms of uric acid and hippuric acid