Supplementary data

1. Determination of pueparin and calycosin-o-β-D-glucopyranoside

Chromatographic Column: luna 5u C18 (2) (250mm × 4.60mm, 5um).

Mobile phase: methanol-water.

Flow velocity: 1.0 mL·min⁻¹.

Detection wavelength: 252 nm.

Evaporating temperature: 27 °C.

![HPLC-ELSD chromatogram of pueparin and calycosin-o-β-D-glucopyranoside](image)

Fig. 1. The HPLC-ELSD chromatogram of pueparin (a) and calycosin-o-β-D-glucopyranoside (b)

| Time/min | Methanol (%) | Water (%) |
|----------|--------------|-----------|
| 0-25     | 25           | 75        |
| 25-45    | 25→45       | 75→55     |
| 45-55    | 45           | 55        |
| 55-60    | 45→25       | 55→75     |
| 60-70    | 25           | 75        |

2. Determination of Astragaloside IV

Chromatographic Column: JADE-PAK®DS-AQ (C18) (250mm×4.60mm, 5um).

Mobile phase: acetonitrile-water (35:65).

Flow velocity: 1.0 mL·min⁻¹.

Detection wavelength: 265 nm.

Evaporating temperature: 30 °C.
Fig. 2. The HPLC-ELSD chromatogram of Astragaloside IV.