

Supplementary data

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

Chromatographic Column: luna 5u C18 (2) (250mm $\times$ 4.60mm, 5 μ m).

Mobile phase: methanol-water.

Flow velocity: 1.0 mL $\cdot$ min⁻¹.

Detection wavelength: 252 nm.

Evaporating temperature: 27 $^{\circ}$ C.

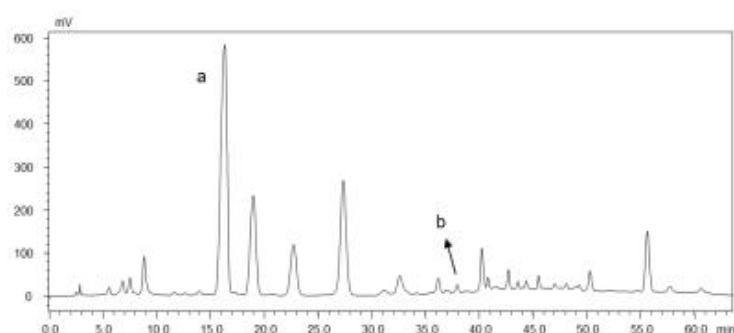


Fig. 1. The HPLC-ELSD chromatogram of pueparin (a) and calycosin-o- β -D-glucopyranoside (b)

Table1 Gradient elution mode of mobile phase

Time/min	Methanol (%)	Water (%)
0-25	25	75
25-45	25 $\rightarrow$ 45	75 $\rightarrow$ 55
45-55	45	55
55-60	45 $\rightarrow$ 25	55 $\rightarrow$ 75
60-70	25	75

2. Determination of Astragaloside IV

Chromatographic Column: JADE-PAK[®]DS-AQ (C18) (250mm $\times$ 4.60mm, 5 μ m).

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

Flow velocity: 1.0 mL $\cdot$ min⁻¹.

Detection wavelength: 265 nm.

Evaporating temperature: 30 $^{\circ}$ C.

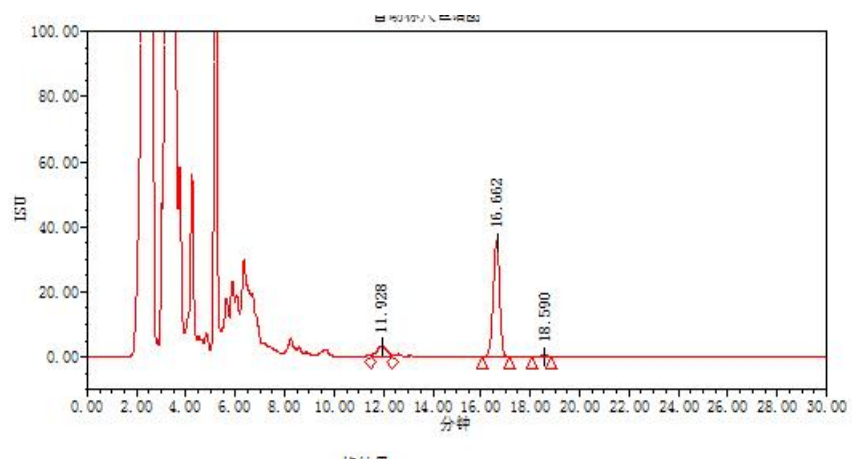


Fig. 2. The HPLC-ELSD chromatogram of Astragaloside IV.