

Yupingfeng Mixture (*Yupingfeng Koufuye*) – 玉屏风口服液

Sample source

Commercially available Yupingfeng Mixture

Chemical reference substances

Astragaloside IV (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 0781-9807)

Preparation of test solution

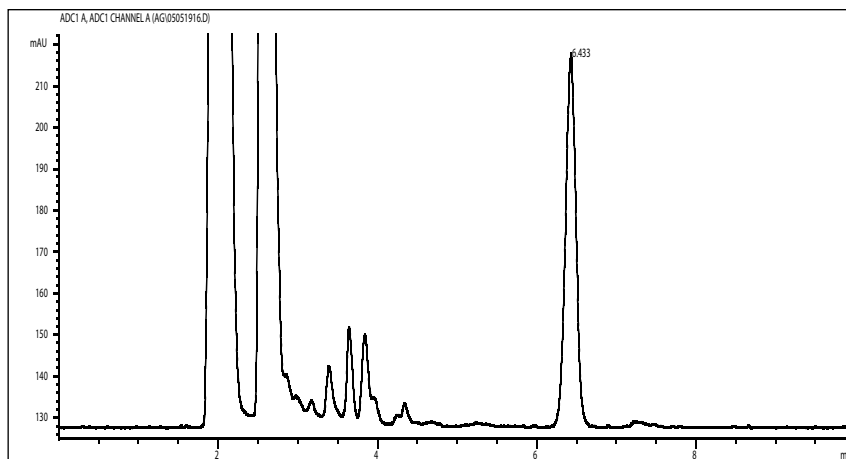
Accurately measure 20 mL of the mixture, extract with five 25 mL quantities of n-butanol saturated with water, combine the extracts and wash with three 20 mL quantities of ammonia TS. Evaporate the solvent, dissolve the residue in methanol, transfer to a 10 mL volumetric flask and dilute with methanol to volume. Mix well, centrifuge, and use the supernatant as the test solution.

Chromatographic conditions

- Column: ZORBAX Extend C18, 4.6×250 mm, 5 μm (770450-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-water (35:65)
- Evaporator tube temperature: 80 °C, Nebulizing temperature: 50 °C, Air flow rate: 1.5SLM
- Flow rate: 1.0 mL/min
- Injection volume: 5 μL

Chromatographic system

- Agilent 1200 Series quaternary pump with vacuum degasser
- Agilent 1200 Series high-performance autosampler
- Agilent 1200 Series thermostated column compartment
- Agilent 35900 A/D converter
- ELSD PL-ELS 1000
- System control through Agilent ChemStation revision B.01.01



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T _r
Astragaloside IV	1.573	6.433	90.27	818.4	11558	0.97