

Wanying Capsules (*Wanying Jiaonang*) – 万应胶囊

Sample source

Commercially available Wanying Capsules

Chemical reference substances

berberine hydrochloride (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 110713-200208)

Preparation of test solution

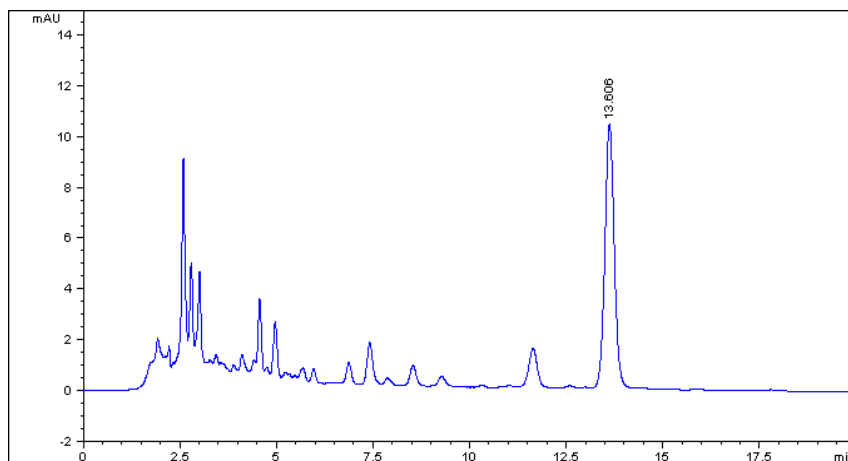
Grind the contents of the capsules to fine powder, accurately weigh 0.3 g. Add 30 mL of a mixture of hydrochloric acid and 70 % ethanol (1:100), heat under reflux for 1 hour, allow to cool, filter, and transfer the filtrate to a 50 mL volumetric flask. Wash the container and the residue with a mixture of hydrochloric acid and 70 % ethanol (1:100) several times, combine the washings in the same flask, and dilute to volume with a mixture of hydrochloric acid and 70 % ethanol (1:100). Mix well, centrifuge, accurately measure 1 mL of the supernatant in a 10 mL volumetric flask, dilute to volume with the mobile phase, and shake well.

Chromatographic conditions

- Column: Reprosil Pur C18, 4.0×150 mm, 5 μm
- Column temperature: 25 °C
- Mobile phase: acetonitrile-33 mmol/L potassium dihydrogen phosphate (30:70)
- Detector wavelength: 265nm
- 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 1200 Series variable wavelength detector
- System control through Agilent ChemStation revision B.01.01



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T _r
Berberine	5.803	13.606	10.39	173.5	16103	1.04