

Shenjing Zhike Pills (*Shenjing Zhike Wan*) – 参精止渴丸

Sample source

Commercially available Shenjing Zhike Pills

Chemical reference substances

Puerarin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 110752-200209)

Preparation of test solution

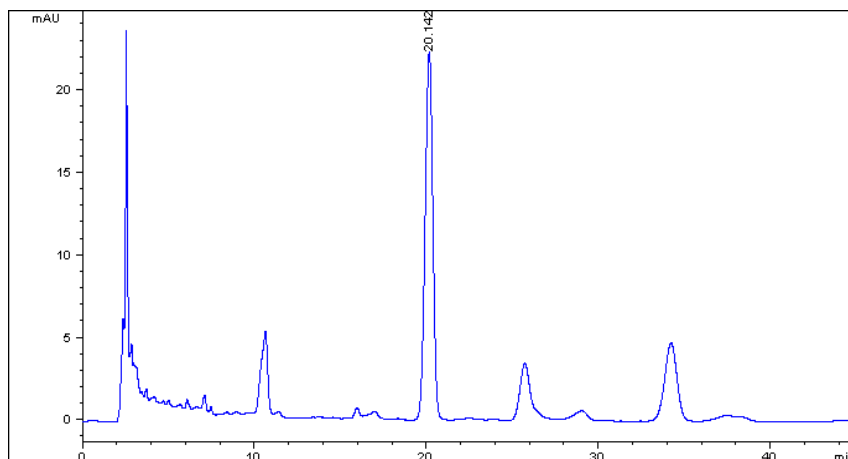
Grind the pills to a fine powder, accurately weigh 1.1 g of the powder in a Soxhlet extractor, add a quantity of ether, heat under reflux for 1 hour. Discard the ether extract and evaporate the remaining solvent in the residue, add a quantity of methanol, heat under reflux for 3 hours. Transfer the extract, concentrate when necessary, to a 50 mL volumetric flask, dilute with methanol to volume and mix thoroughly.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×250 mm, 5 μm (880975-902)
- Column temperature: 40 °C
- Mobile phase: methanol-25 mmol/L phosphoric acid (containing 0.18 % triethylamine) (20:80)
- Detector wavelength: 250 nm
- Flow rate: 1.0 mL/min
- Inject volume: 2 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
Puerarin	7.057	20.142	22.28	689.5	9736	0.95