

Xiaoshuan Tongluo Capsules (*Xiaoshuan Tongluo Jiaonang*)

消栓通络胶囊

Sample source

Commercially available Xiaoshuan Tongluo Capsules

Chemical reference substances

Ginsenoside Rg1 (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 110703-200322)

Preparation of test solution

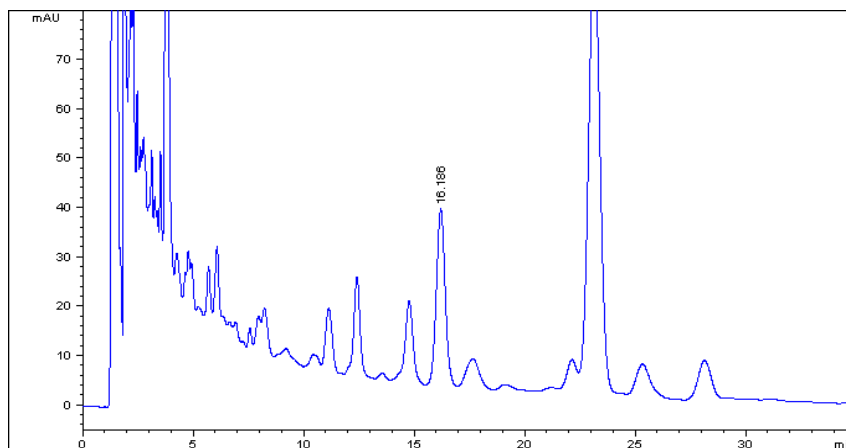
Grind the contents of the capsules to a fine powder. Accurately weigh 2 g of the powder in a stoppered conical flask, accurately add 50 mL of methanol, weigh, heat under reflux for 2 hours, allow to cool and weigh again. Replenish the lost weight with methanol, mix well, and filter. Accurately measure 25 mL of the filtrate and evaporate to dryness. Dissolve the residue in 30 mL of water, extract with two 20 mL quantities of ether, discard the ether extract, extract with four 20 mL quantities of n-butanol saturated with water, combine the n-butanol extracts, wash with two 30 mL quantities of ammonia TS, and wash with two 20 mL quantities of water saturated with n-butanol. Evaporate n-butanol to dryness, dissolve the residue with methanol in a 10 mL volumetric flask, dilute with methanol to volume, mix well, filter through a millipore membrane (0.45 μm), use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX XDB C18 4.6 \times 150 mm, 5 μm (993967-902)
- Column temperature: 25 $^{\circ}\text{C}$
- Mobile phase: acetonitrile-0.05 % phosphoric acid (20.5:79.5)
- Detector wavelength: 203 nm
- 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
Ginsenoside Rg1		16.186	35.84	995.1	8141	1.03