

Xiaoshuan Tongluo Tablets (*Xiaoshuang Tongluo Pian*)

消栓通络片

Sample source

Commercially available Xiaoshuan Tongluo Tablets

Chemical reference substances

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

Preparation of test solution

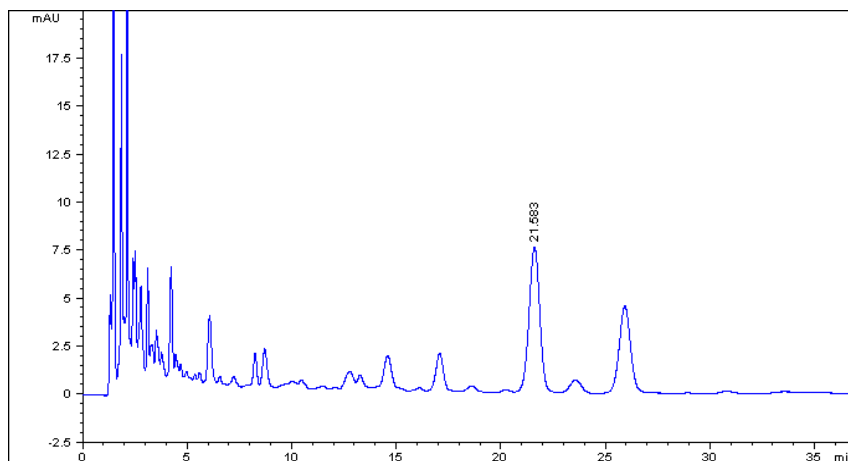
Remove the coatings from 20 tablets and grind to a fine powder, accurately weigh 2 g of the powder, accurately add 50 mL of methanol, weigh, heat under reflux for 3 hours, allow to cool, weigh again, replenish the lost weight, mix well, and filter. Accurately measure 25 mL of the filtrate, evaporate to dryness, dissolve the residue in 20 mL of water in a separator, extract with 30, 30, 20 and 20 ml quantities of n-butanol saturated with water by shaking, combine the n-butanol extracts. Wash twice each with 25 mL of 1 % solution of sodium hydroxide, then wash with two 25 ml quantities of water saturated with n-butanol, evaporate the n-butanol extracts to dryness, dissolve the residue in methanol in a 25 mL volumetric flask, dilute with methanol to volume, mix well, filter through a millipore membrane (0.45 μm), and 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 (20:80)
- 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		21.583	7.54	264.2	8892	0.98