

Prepared Fleeceflower Root (*Radix Polygoni Multiflori Praeparata cum siccp Gucomes Sptae*) – 制何首乌

Sample source

Commercially available Prepared Fleeceflower Root

Chemical reference substances

2,3,5,4'-tetrahydroxystibene-2-O-β-D-glucoside (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 0844-200003)

Preparation of test solution

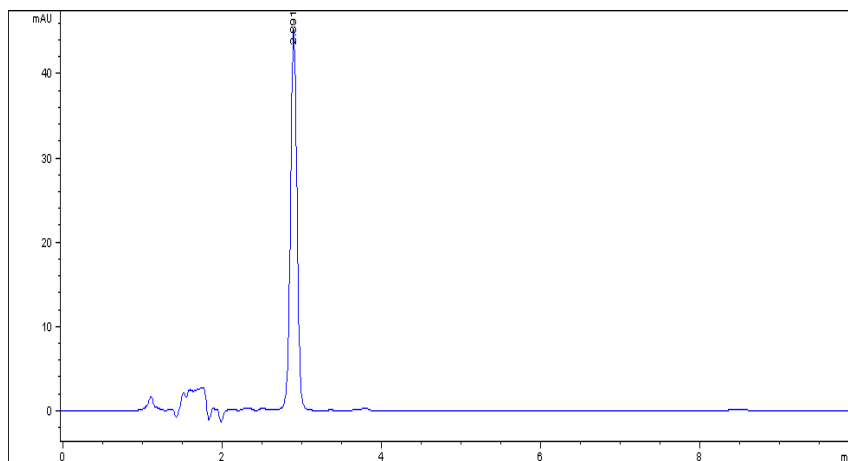
Accurately weigh 0.2 g of the powder in a stoppered conical flask, accurately add 25 mL of dilute ethanol and weigh. Heat under reflux for 30 minutes, allow to cool and weigh again, replenish the lost solvent with dilute ethanol and mix well. Filter the supernatant and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 μm (883975-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-water (5:15)
- Detector wavelength: 320 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 diode-array detector
- System control through Agilent ChemStation revision B.01.01



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T _r
2,3,5,4'-tetrahydroxystibene-2-O-β-D-glucoside	1.409	2.891	45.10	255.9	6164	1.00