Niuhuang Jiangya Capsules *(Niuhuang Jiangya Jiaonang)*
牛黄降压胶囊

Sample source

Commercially available Niuhuang Jiangya Capsules

Chemical reference substances

Paeoniflorin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110736-200220)

Preparation of test solution

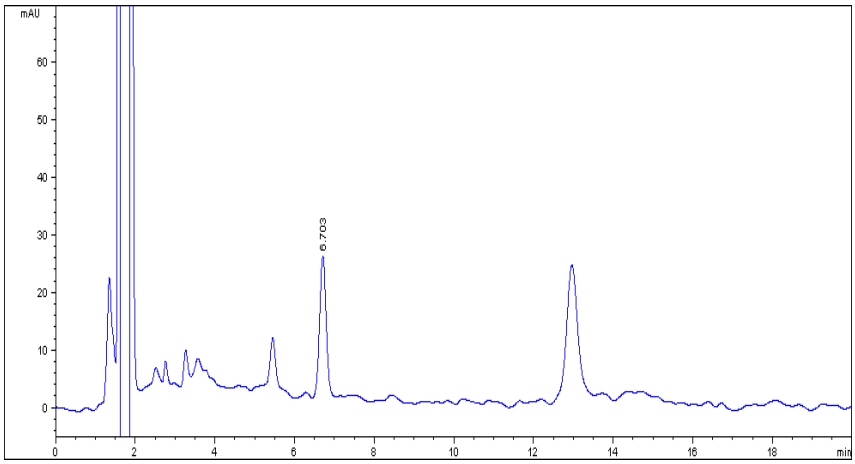
Grind the contents of the capsules to a fine powder. Accurately weigh 1 g of the powder in a stoppered conical flask, accurately add 50 mL of water, stopper tightly and weigh. Treat ultrasonically for 45 minutes, allow to cool, weigh again, replenish the lost weight with water, stir well and centrifuge. Apply 10 mL of the supernatant to a column (1.5 cm in inner diameter), packed with 3 g of dry polyamide and elute with water, collect 60 mL of the elunts. Evaporate to dryness on a water bath, dissolve the residue in dilute ethanol TS, transfer to a 10 mL volumetric flask and add dilute ethanol TS to volume, mix well and filter, use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX XDB C18 4.6×150 mm, 5 µm (993967-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-water (15:85)
- Detector wavelength: 230 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 thermostatted 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_f
Paeoniflorin	3.469	6.703	24.56	279.2	8154	1.04