

Shuanghuanglian Mixture (*Shuanghuanglian Koufuye*)

双黄连口服液

Sample source

Commercially available Shuanghuanglian Mixture

Chemical reference substances

Forsythin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 110821-200305)

Preparation of test solution

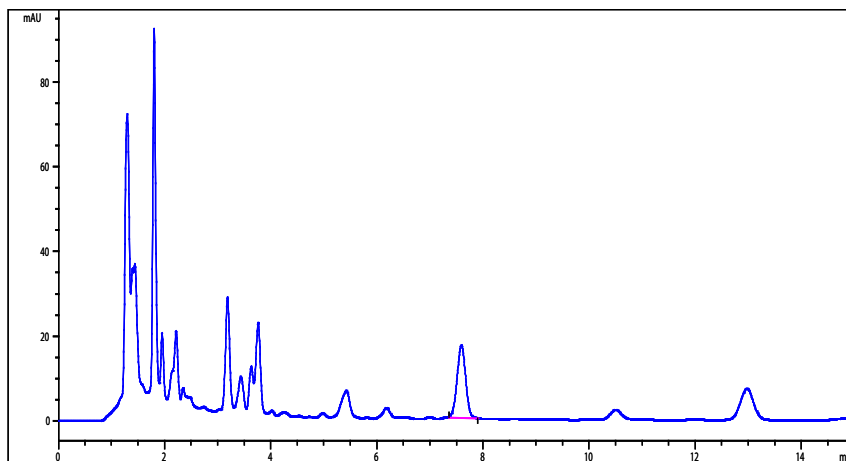
Accurately measure 1 mL of the mixture, apply to a column packed with neutral alumina (100-200 mesh, 6 g, 1 cm in inner diameter), elute with 40 mL of 70 % ethanol and collect the eluent. Evaporate to dryness and dissolve the residue in a quantity of 50 % methanol in a 5 mL volumetric flask, dilute to volume and mix well. Filter through a millipore membrane (0.45 μm), use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6 \times 150 mm, 5 μm (883975-902)
- Column temperature: 35 $^{\circ}\text{C}$
- Mobile phase: acetonitrile-water (25:75)
- Detector wavelength: 278 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
Forsythin	5.330	7.596	17.07	192.7	10667	0.97