

Weeping Forsythia Extract (*Extractum Forsythiae Siccus*)

连翘提取物

Sample source

Commercially available Weeping Forsythia Extract

Chemical reference substances

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

Preparation of test solution

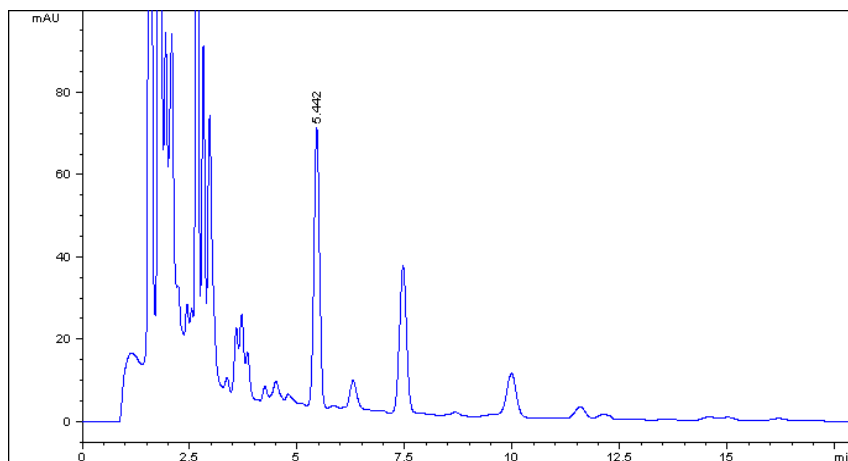
Accurately weigh 1.0 g in a stoppered conical flask, accurately add 15 mL of methanol, and weigh. Allow to stand overnight, treat ultrasonically for 25 minutes, allow to cool, weigh again, replenish the lost weight with methanol, shake well and filter. Accurately measure 5 mL of the filtrate, evaporate to near dryness, and mix well with 0.5 g of neutral alumina and then transfer to a neutral alumina column (100-200 mesh). Elute with 120 mL of 70 % ethanol, collect the eluents, and concentrate to dryness. Dissolve the residue in 50 % methanol in a 10 mL volumetric flask, add 50 % methanol to volume, shake well and filter.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-water (24:76)
- Detector wavelength: 277 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	2.628	5.442	67.62	606.2	8677	0.98