

Chinese Angelica (*Radix Angelicae Sinensis*) – 当归

Sample source

Commercially available Chinese Angelica

Chemical reference substances

Ferulic acid (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110773-9910)

Preparation of test solution

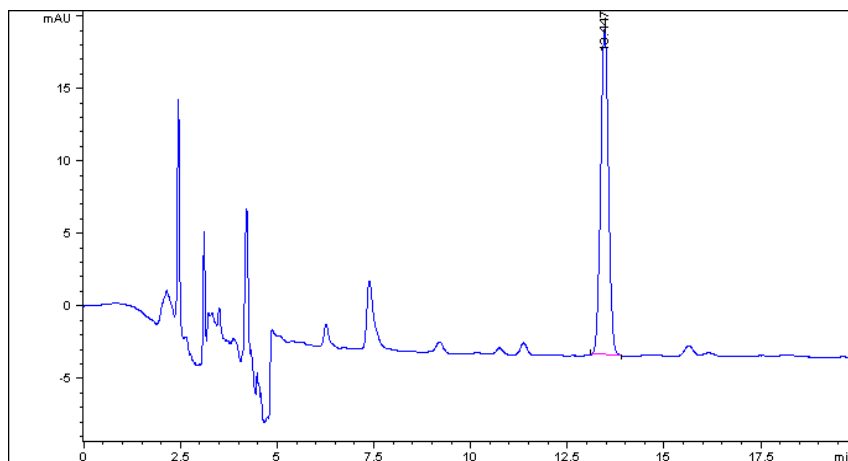
Accurately weigh 0.2 g of the powder in a stoppered conical flask. Accurately add 20 mL of 70 % methanol and weigh. Heat under reflux for 30 minutes, cool, weigh again, replenish the lost weight with 70 % methanol, mix well and allow to stand. Filter the supernatant through a millipore membrane (0.45 μm), use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6 \times 250 mm, 5 μm (880975-902)
- Column temperature: 35 $^{\circ}\text{C}$
- Mobile phase: acetonitrile-0.085 % phosphoric acid (17:83)
- Detector wavelength: 316 nm
- Flow rate: 1.0 mL/min

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
Ferulic acid	4.379	13.447	22.42	318.0	21120	1.01