

Himalayan Teasel Root (*Radix Dipsaci*) – 续断

Sample source

Commercially available Himalayan Teasel Root

Chemical reference substances

Asperosaponin IV (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 111685-200401)

Preparation of test solution

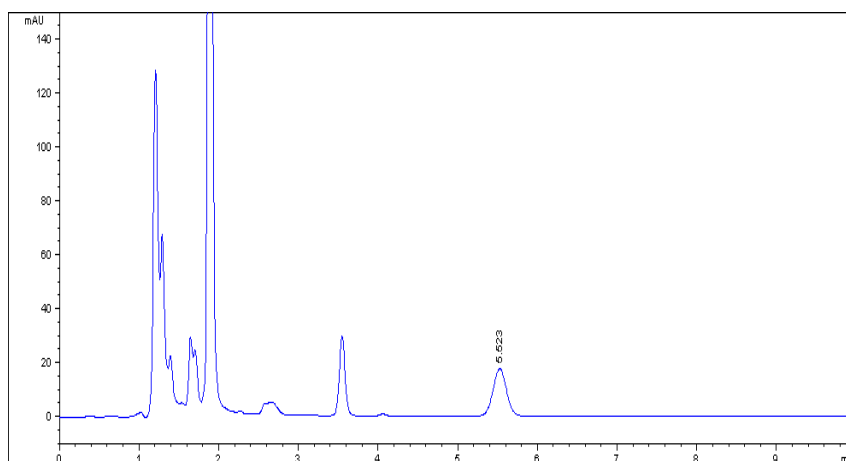
Accurately weigh 0.5 g of the powder in a stoppered conical flask, accurately add 25 mL of methanol, stopper tightly and weigh. Treat ultrasonically for 30 minutes, allow to cool and weigh again, replenish the lost solvent with methanol, mix well and filter. Accurately measure 5 mL of the filtrate in a 50 mL volumetric flask, dilute with the mobile phase to volume and mix well.

Chromatographic conditions

- Column: ZORBAX XDB C8 4.6×150 mm, 5 µm (993967-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-water (30:70)
- Detector wavelength: 212 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
asperosaponin IV	2.682	5.523	17.60	204.5	5337	1.02