

Cistanche Herb (*Herba Cistanches*) – 肉苁蓉

Sample source

Commercially available Desert-living Cistanche

Chemical reference substances

Echinacoside (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 111670-200401)

Preparation of test solution

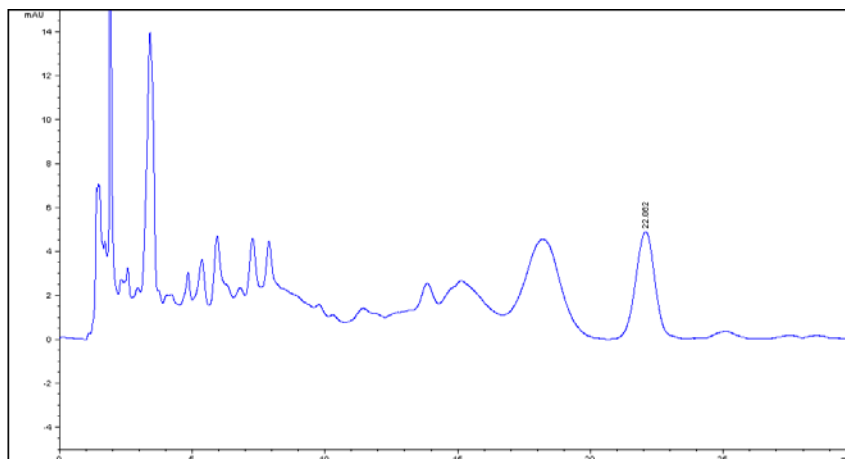
Accurately weigh 1 g of the powder in a 100 mL amber volumetric flask. Accurately add 50 % methanol, stopper tightly, weigh and allow to soak for 30 minutes. Treat ultrasonically for 50 minutes (below 50 °C), allow to cool, weigh again, replenish the lost weight with 50 % methanol, mix well and filter, and store the filtrate in an amber flask.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 25 °C
- Mobile phase: methanol-0.1% formic acid (26:74)
- Detector wavelength: 330 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
Echinacoside	13.708	22.062	4.87	243.4	4528	0.98