

Danshen Root (*Radix et Rhizoma Salviae Miltiorrhizae*) – 丹参

Sample source

Commercially available Danshen Root

Chemical reference substances

Tanshinone IIA (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 0766-200010)

Preparation of test solution

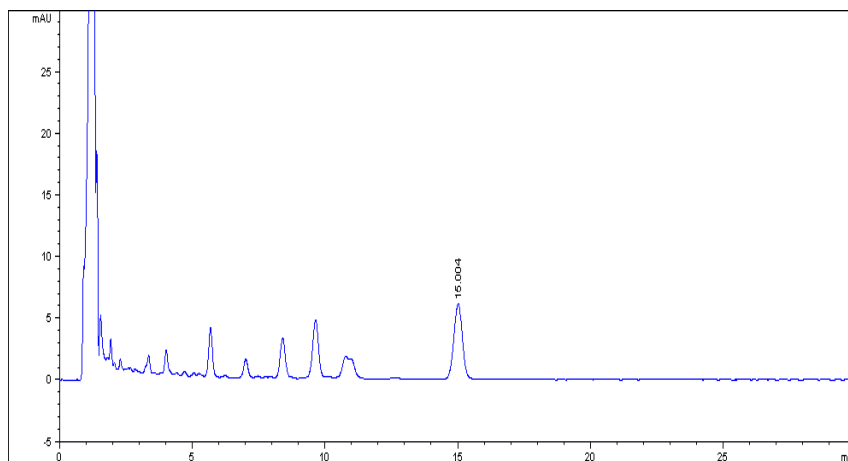
Accurately weigh 0.3 g of the powder in a stoppered conical flask. Accurately add 50 mL of methanol and weigh. Heat under reflux for 1 hour, allow to cool and weigh again, replenish the lost solvent with methanol, mix well and filter. Use the successive filtrate as test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 25 °C
- Mobile phase: methanol-water (75:25)
- Detector wavelength: 270 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 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
tanshinone IIA	11.503	15.004	6.07	133.3	10789	0.99