

Tree Peony Bark (*Cortex Moutan*) – 牡丹皮

Sample source

Commercially available Tree Peony Bark

Chemical reference substances

Paeonol (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110708-200205)

Preparation of test solution

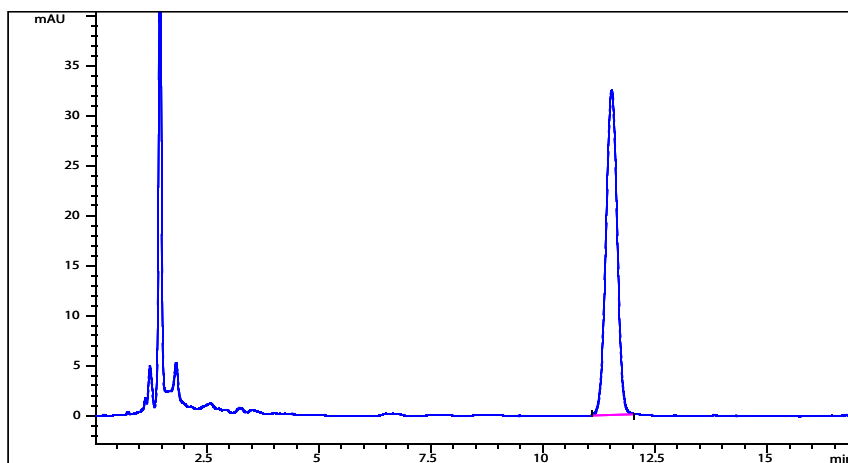
Accurately weigh 0.05 g of the powder in a stoppered conical flask, accurately add 10 mL of methanol, mix well, weigh, treat ultrasonically for 30 minutes, allow to cool, weigh again, replenish the lost weight with methanol, mix well, filter. Accurately measure 1 mL of the filtrate in a 10 mL volumetric flask, add methanol to volume, and mix well.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 35 °C
- Mobile phase: methanol-water (45:55)
- Detector wavelength: 274nm
- Flow rate: 1.0 mL/min
- Injection volume: 10 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
Paeonol	8.612	11.534	32.46	562.7	10158	0.99