

White Peony Root (*Radix Paeoniae*) – 白芍

Sample source

Commercially available White Peony Root (Zhejiang)

Chemical reference substances

Paeoniflorin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 0736-200220)

Preparation of test solution

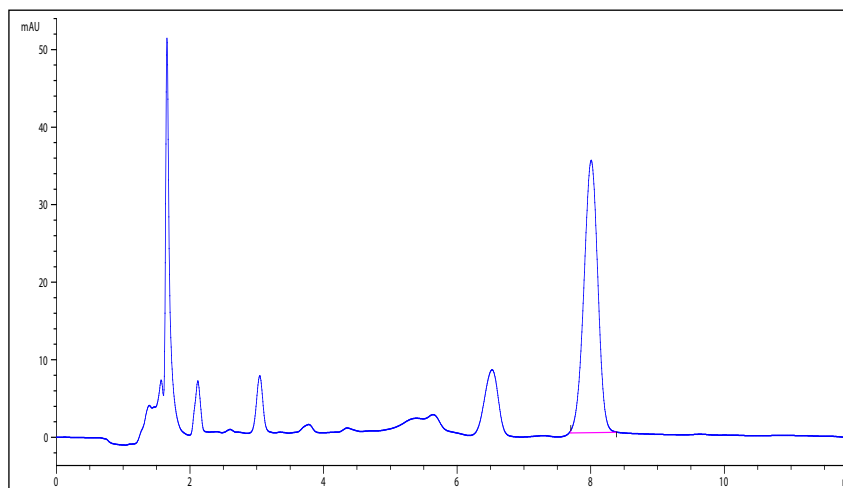
Accurately weigh 0.1 g of the powder in a 50 mL volumetric flask, add 35 mL of diluted ethanol, treat ultrasonically for 30 minutes, allow to cool and dilute with dilute ethanol to volume, mix well, filter and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 35 °C
- Mobile phase: acetonitrile-0.1 % phosphoric acid (14:86)
- Detector wavelength: 230 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 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
Paeoniflorin		8.007	35.12	507.6	7126	0.96