

Official Magnolia Flower (*Flos Magnoliae Officinalis*) – 厚朴花

Sample source

Commercially available Official Magnolia Flower

Chemical reference substances

1. Magnolol, 2. Honokiol (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 1.0729-200006, 2.0730-9204)

Preparation of test solution

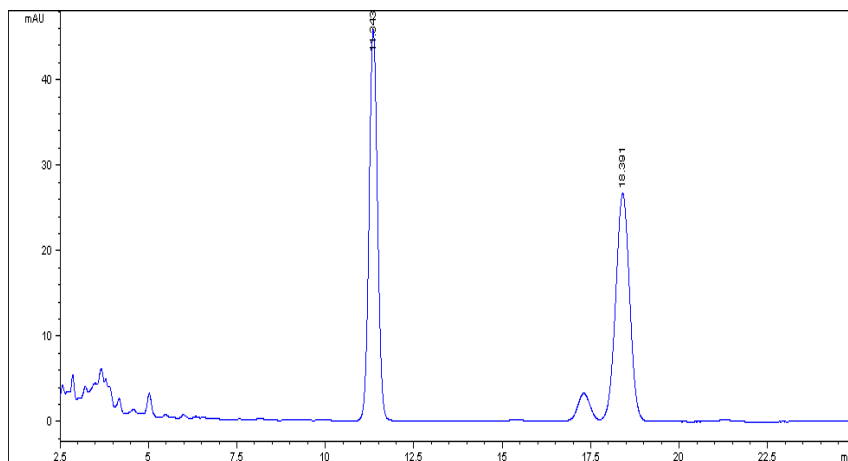
Accurately weigh 1 g of the coarse powder in a stoppered conical flask, accurately add 25 mL of methanol, stopper tightly and weigh, treat ultrasonically for 30 minutes, allow to cool and weigh again, replenish the lost weight with methanol and mix well, allow to stand for 30 minutes. Filter the supernatant liquid with a millipore membrane (0.45 μm) and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX XDB C8 4.6 \times 150 mm, 5 μm (993967-906)
- Column temperature: 25 $^{\circ}\text{C}$
- Mobile phase: acetonitrile-methanol-water (20:45:35)
- Detector wavelength: 294 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
PHonokiol	6.562	11.343	45.67	756.4	10979	1.02
Magnolol	11.261	18.391	26.60	722.8	10510	0.99