

Mingmu Dihuang Pills (*Mingmu Dihuang Wan*) – 明目地黄丸

Sample source

Commercially available Mingmu Dihuang Pills

Chemical reference substances

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

Preparation of test solution

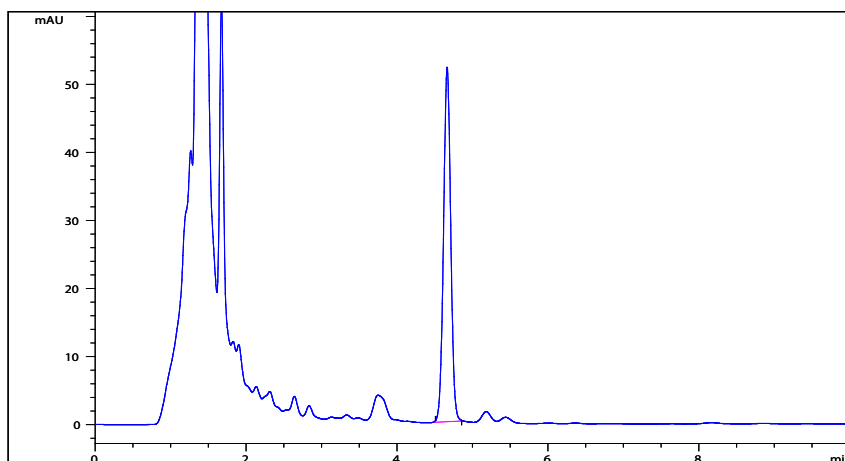
Cut the pills into pieces, accurately weigh 0.5 g in a stoppered conical flask, accurately add 50 mL of 70 % methanol, stopper tightly and weigh. Treat ultrasonically for 45 minutes, cool, weigh again, replenish the lost weight with 70 % methanol and shake well. Filter and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 35 °C
- Mobile phase: methanol-water (70:30)
- 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	2.888	4.665	52.11	345.8	11890	0.98