

Baoji Pills (*Baoji Wan*) – 保济丸

Sample source

Commercially available Baoji Wan

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

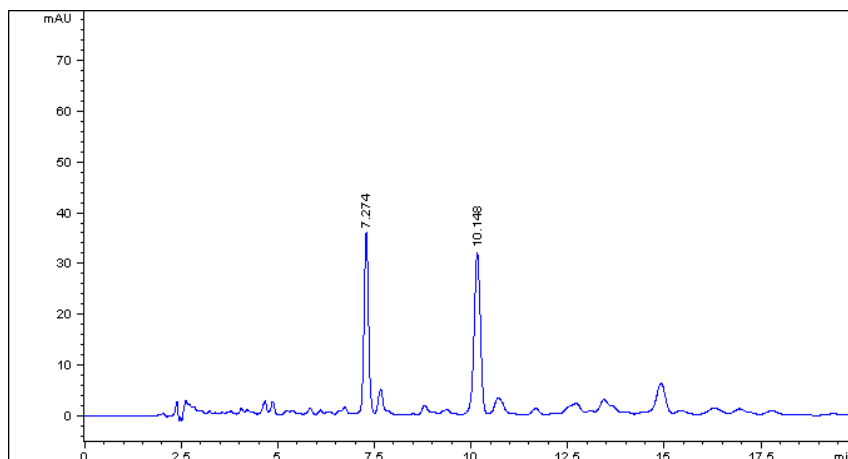
Accurately weigh 1.0 g of the fine powder in a stoppered conical flask, add 100 mL of petroleum ether (30-60 °C) and treat ultrasonically for 30 minutes, and filter. Treat the residue ultrasonically again with 50 mL of petroleum ether (30-60 °C) for 30 minutes and filter. Combine the filtrates, evaporate to dryness, dissolve the residue in methanol, transfer to a 10 mL volumetric flask, dilute to volume with methanol, shake well, filter and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18, 4.6×250 mm, 5 µm (880975-902)
- Column temperature: 25 °C
- Mobile phase: methanol-glacial acetic acid-water (60:4:40)
- 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 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
Honokiol	1.910	7.274	35.87	293.9	18660	1.02
Magnolol	3.059	10.148	31.71	351.9	20001	0.95