

Paris Root (*Rhizoma Paridis*) – 重楼

Sample source

Commercially available Paris Root

Chemical reference substances

1. Chonglou saponin I, 2. Chonglou saponin II (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 1. 111590-200402, 2.111591-200301)

Preparation of test solution

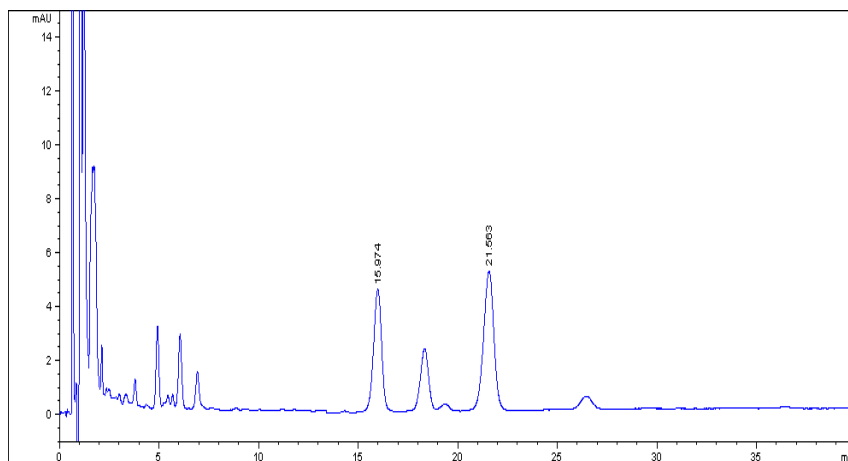
Accurately weigh 0.5 g of the powder in a stoppered conical flask, accurately add 25 mL of ethanol and weigh. Treat ultrasonically for 30 minutes, allow to cool and weigh again, replenish the lost solvent with ethanol and mix well. Filter, and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-water (42:58)
- Detector wavelength: 210 nm
- Flow rate: 1.0 mL/min
- Injection volume: 5 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 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
Chonglou saponin I	9.650	15.974	4.52	126.1	7649	0.95
chonglou saponin II	13.375	21.563	5.15	183.1	8833	0.94