

Japanese Ardisia Herb (*Herba Ardisiae Japonicae*) – 矮地茶

Sample source

Commercially available Japanese Ardisia Herb

Chemical reference substances

Bergenin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 1532-200202)

Preparation of test solution

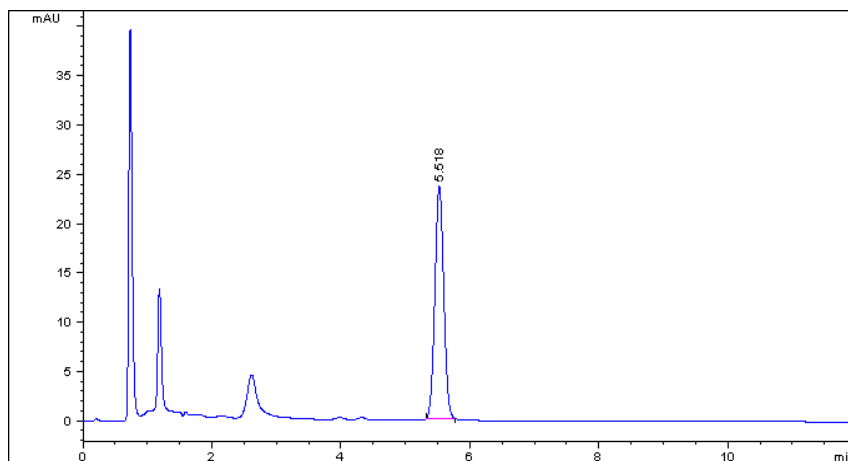
Accurately weigh 0.1 g of the fine powder in a conical flask. Accurately add 10 mL of methanol, weigh, treat ultrasonically for 40 minutes, allow to cool, weigh again, replenish the lost weight with methanol, mix well and filter.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 35 °C
- Mobile phase: methanol-water (20:80)
- Detector wavelength: 275 nm
- Flow rate: 1.0 mL/min
- Injection volume: 2 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
Bergenin	3.599	5.518	23.65	227.6	7784	1.04