

Lingyang Ganmao Tablets (*Lingyang Ganmao Pian*) – 羚羊感冒片

Sample source

Commercially available Lingyang Ganmao Tablets

Chemical reference substances

Arctiin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 0819-9802)

Preparation of test solution

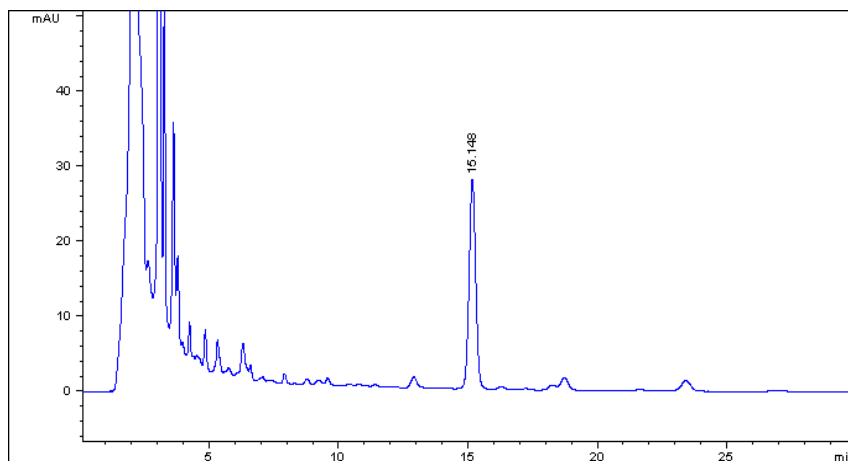
Grind 10 tablets to a fine powder and remove the coating. Accurately weigh 0.25 g of the powder in a stoppered conical flask, accurately add 20 mL of 50 % methanol, stopper tightly, and weigh. Treat ultrasonically for 20 minutes, allow to cool, and weigh again. Replenish the lost weight with 50 % methanol, mix well, filter through a millipore membrane (0.45 μm), and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6 \times 250 mm, 5 μm (880975-902)
- Column temperature: 25 $^{\circ}\text{C}$
- Mobile phase: acetonitrile-water (25:75)
- Detector wavelength: 280 nm
- 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
Arctiin	5.059	15.148	27.93	497.6	17210	1.03