

Ganmao Qingre Granules (*Ganmao Qingre Keli*) – 感冒清热颗粒

Sample source

Commercially available Ganmao Qingre Granules

Chemical reference substances

Puerarin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110752-200209)

Preparation of test solution

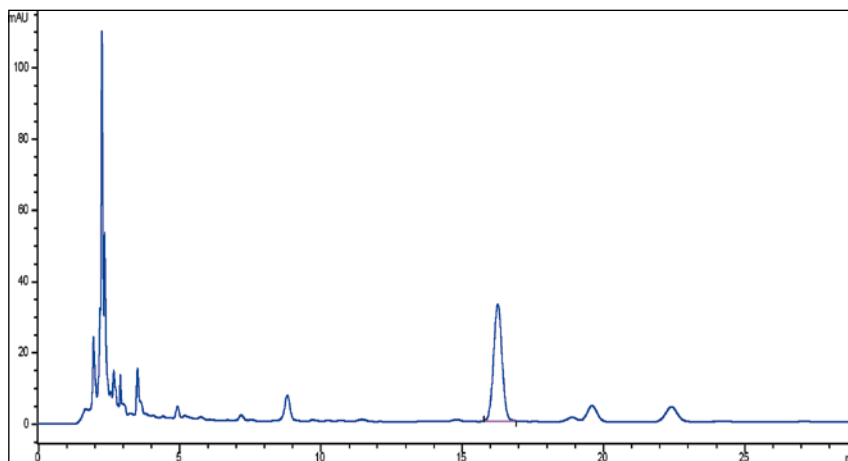
Grind a quantity of the granules to a fine powder, accurately weigh 0.8 g of the powder in a stoppered conical flask, accurately add 50 mL of 30 % ethanol, stopper tightly and weigh. Treat ultrasonically for 20 minutes, allow to reach room temperature, weigh again, replenish the lost weight with 30 % ethanol, shake thoroughly and filter through a millipore membrane (0.45 μm), and use the filtrate as the test sample.

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 (11:89)
- Detector wavelength: 250 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 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
Puerarin	5.504	16.26	32.79	692.2	14012	1.03