

Gegen Qinlian Pills (*Gegen Qinlian Wan*) – 葛根芩连丸

Sample source

Commercially available Gegen Qinlian Pills

Chemical reference substances

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

Preparation of test solution

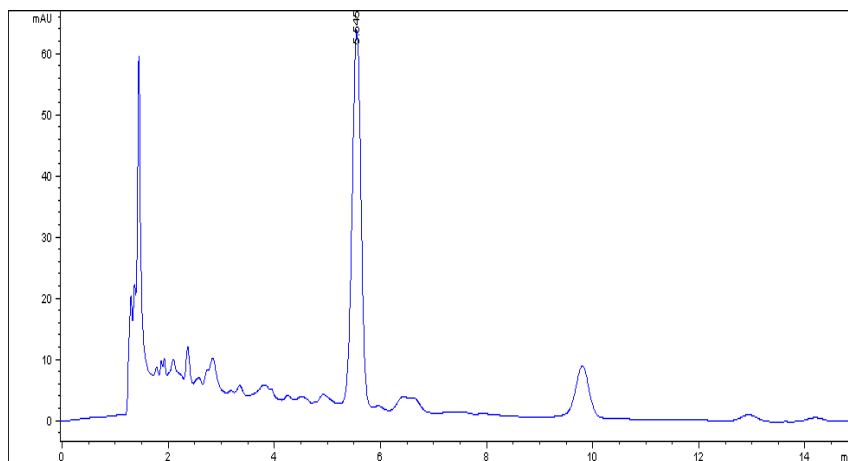
Grind a quantity of the pills to a fine powder and mix well, accurately weigh 0.3 g of the powder in a stoppered conical flask, accurately add 50 mL of methanol, tightly stopper and weigh. Heat under reflux for 1 hour, allow to cool and weigh again, replenish the lost weight with methanol, shake thoroughly and filter, use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX XDB C18 4.6×150 mm, 5 µm (993967-902)
- Column temperature: 30 °C
- Mobile phase: acetonitrile-methanol-water (10:8:82)
- Detector wavelength: 250 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 _f
Puerarin	2.696	5.545	61.39	709.6	5257	0.95