

Jiuqi Niantong Pills (*Jiuqi Niantong Wan*) – 九气拈痛丸

Sample source

Commercially available Jiuqi Niantong Pills

Chemical reference substances

Hesperidin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 0721-200211)

Preparation of test solution

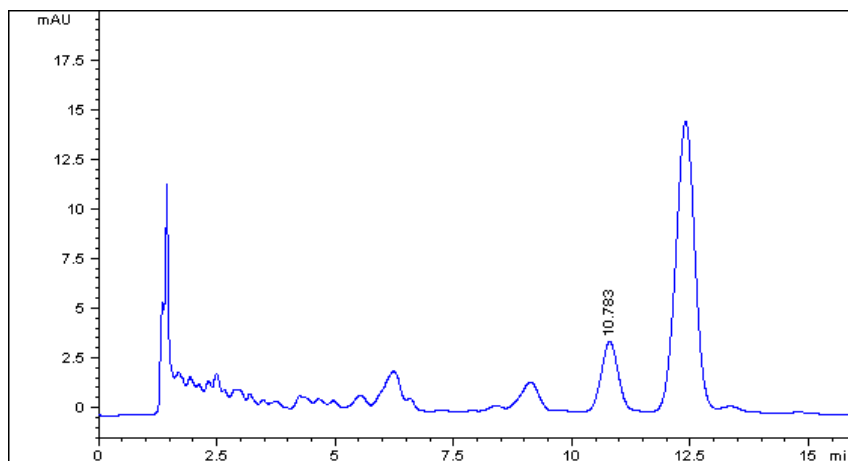
Grind the pills to a fine powder, accurately weigh 0.5 g of the powder in a stoppered conical flask, accurately add 50 mL of methanol and stopper tightly. Weigh and allow to soak overnight. Treat ultrasonically for 30 minutes, allow to cool. Weigh again and replenish the lost weight with methanol, mix well. Filter, and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX XDB C18, 4.6×150 mm, 5 µm (993967-902)
- Column temperature: 25 °C
- Mobile phase: methanol-0.5% glacial acetic acid (36:64)
- Detector wavelength: 283 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 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
Hesperidin	6.188	10.783	3.50	85.9	4437	1.04