

Qingxuan Pills (*Qingxuan Wan*) – 清眩丸

Sample source

Commercially available Qingxuan Pills

Chemical reference substances

Imperatorin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110826-200307)

Preparation of test solution

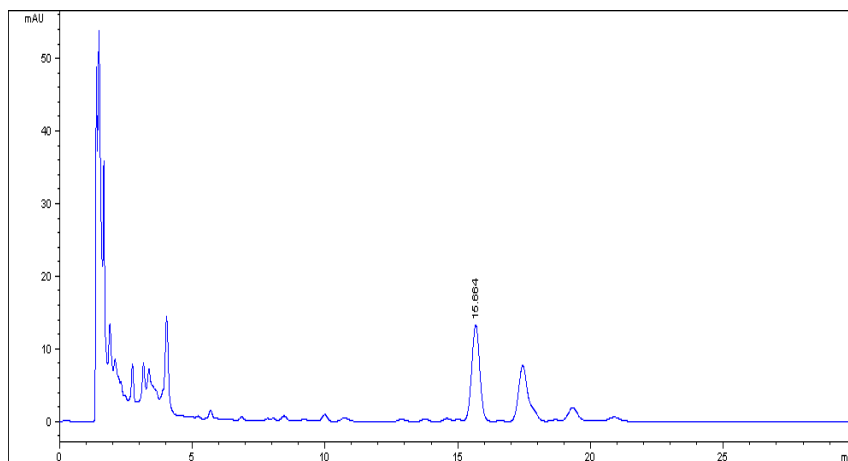
Cut a quantity of pills into pieces, accurately weigh about 1 g in a stoppered conical flask. Accurately add 25 mL of methanol, stopper tightly and weigh, treat ultrasonically for 45 minutes. Allow to cool, weigh again, replenish the lost weight with methanol, mix well and filter, use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX XDB C8 4.6×150 mm, 5 µm (993967-902)
- Column temperature: 40 °C
- Mobile phase: methanol-water (55:45)
- Detector wavelength: 248nm
- 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
Imperatorin	9.442	15.664	13.29	279.4	12855	1.00