

Qinlian Tablets (*Qinlian Pian*) – 芩连片

Sample source

Commercially available Qinlian Tablets

Chemical reference substances

Baicalin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110715-200212)

Preparation of test solution

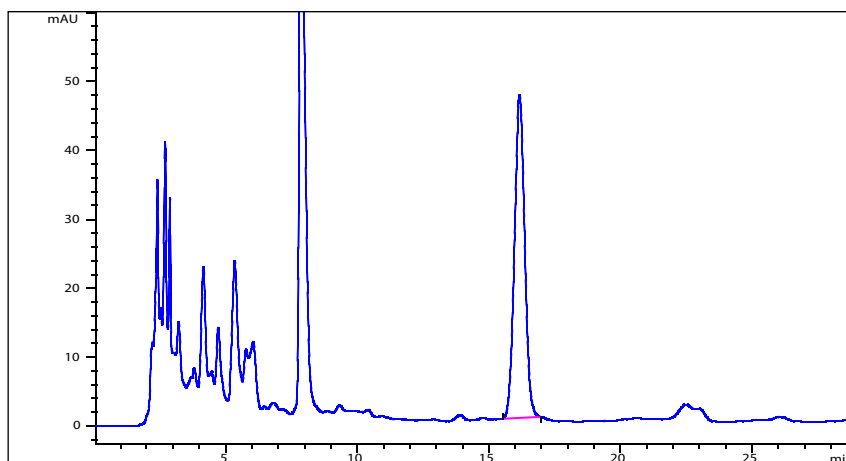
Grind the tablets to a fine powder, and accurately weigh 0.15 g in a 25 mL volumetric flask. Add 20 mL of 70 % ethanol, treat ultrasonically for 20 minutes, allow to cool, dilute to volume with 70 % ethanol, and mix well. Allow to stand, filter the supernatant through a millipore membrane (0.45 μm), 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: 40 $^{\circ}\text{C}$
- Mobile phase: methanol-4% glacial acetic acid (37:63)
- Detector wavelength: 277nm
- 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 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
Baicalin	5.468	16.171	46.86	1268.3	8344	1.03