

Zangliang Pills (*Zangliang Wan*) – 脏连丸

Sample source

Commercially available Zangliang Pills

Chemical reference substances

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

Preparation of test solution

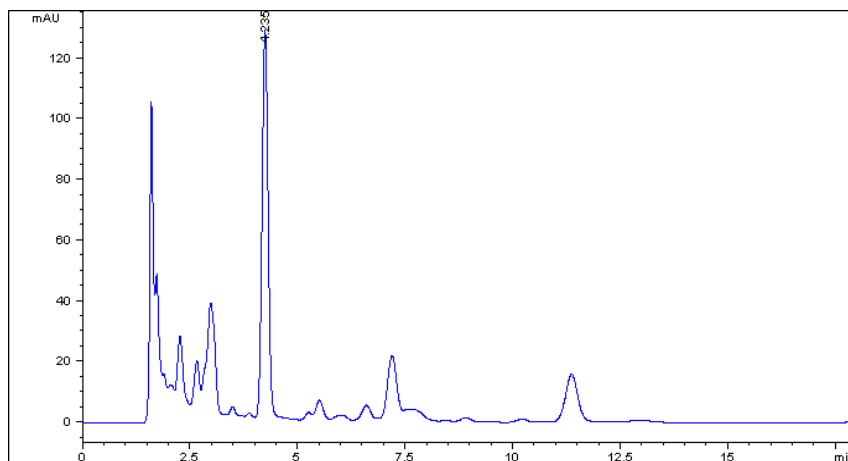
Grind the pills to a fine powder. Accurately weigh 0.25 g in a stoppered conical flask, accurately add 50 mL of methanol, weigh, and heat under reflux for 1 hour. Allow to cool, weigh again, replenish the lost weight with methanol and mix well. Centrifuge and use the supernatant as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883995-902)
- Column temperature: 25 °C
- Mobile phase: methanol-2 % glacial acetic acid (45:55)
- Detector wavelength: 280 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
Baicalin	1.824	4.235	127.56	1246.3	4390	1.03