

Mile Swertia Tablets (*Tabellae Swertiae Mileensis*) – 青叶胆片

Sample source

Commercially available Mile Swertia Tablets

Chemical reference substances

Swertiamain (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 0785-200203)

Preparation of test solution

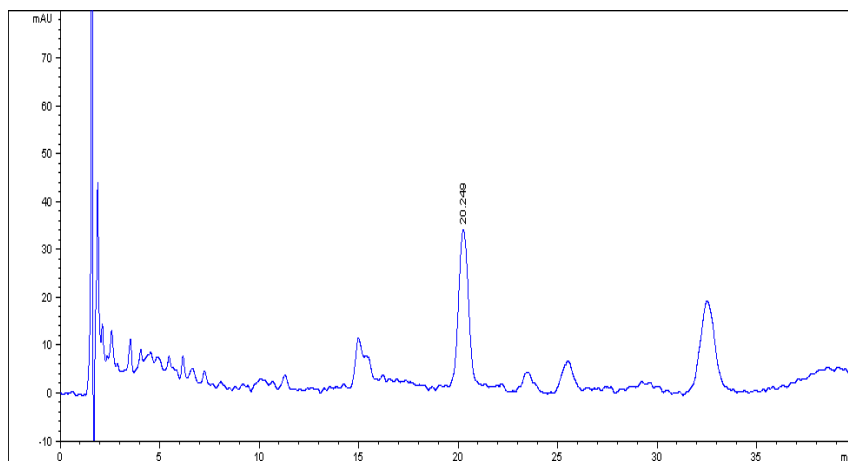
Remove the coatings of 30 tablets, grind to a fine powder, accurately weigh about 12 powdered tablets in a 100 mL volumetric flask, add 80 mL of methanol, allow to soak for 20 minutes, treat ultrasonically for 15 minutes, allow to cool, add methanol to volume, mix well and filter. Discard the initial filtrate, and use the successive filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 μm (883975-902)
- Column temperature: 35 °C
- Mobile phase: methanol-0.3% formic acid (14:86)
- Detector wavelength: 237 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 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
Swertiamain	12.499	20.249	32.66	1115.1	8189	1.02