

Shenqi Wuweizi Tablets (*Shenqi Wuweizi Pian*) – 参芪五味子片

Sample source

Commercially available Shenqi Wuweizi Tablets

Chemical reference substances

Schisandrin A (National Institute for the Control of Pharmaceutical and Biological Products, Batch number (0764-200005))

Preparation of test solution

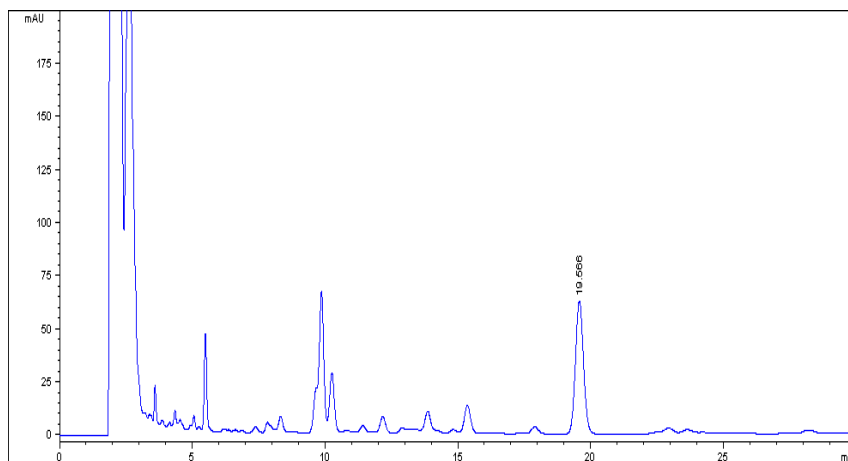
Remove the coatings from 20 tablets, grind to a fine powder. Accurately weigh 1 g in a stoppered conical flask, accurately add 25 mL of methanol, stopper tightly, and weigh. Treat ultrasonically for 20 minutes, allow to cool, weigh again, replenish the lost weight with methanol, mix well, centrifuge, and use the supernatant as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×250 mm, 5 µm (880975-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-water-acetic acid (64:35:1)
- Detector wavelength: 249 nm
- Flow rate: 1.0 mL/min
- Inject volume: 10 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 |
|---------------|-------|----------------|--------------|--------------|-------|--------------------|
| Schisandrin A | 6.826 | 19.566 | 62.66 | 1318.5 | 20360 | 1.06 |