

Guifu Dihuang Pills (*Guifu Dihuang Wan*) – 桂附地黄丸

Sample source

Commercially available Guifu Dihuang Pills

Chemical reference substances

Loganin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 111640-200401)

Preparation of test solution

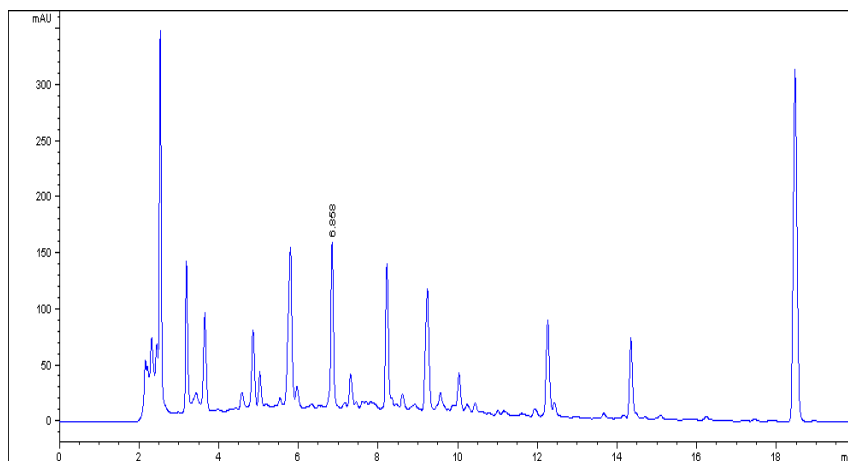
Accurately weigh 1 g of the pills, grind to a fine powder or cut into pieces and mix well, place in a stoppered conical flask, accurately add 50 mL of methanol, stopper tightly and weigh. Treat ultrasonically for 45 minutes, allow to reach room temperature and weigh again, replenish the lost weight with methanol, shake thoroughly and filter. accurately measure 25 mL of the filtrate, evaporate to dryness, dissolve the residue in methanol, transfer to a 5 mL volumetric flask, dilute with methanol to volume and shake thoroughly, filter, and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×250 mm, 5 μm (880975-902)
- Column temperature: 30 °C
- Mobile phase: A: acetonitrile, B: 0.05 % phosphoric acid; 0-30 min, 11 % A, 30-35 min, 11-90 % A, 35-40 min, 90-11 % A.
- Detector wavelength: 236 nm

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
Loganin	1.743	6.858	147.17	682.7	57184	0.95