

Rukuaixiao Tablets (*Rukuaixiao Pian*) – 乳块消片

Sample source

Commercially available Rukuaixiao Tablets

Chemical reference substances

sodium danshensu (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110855-200203)

Preparation of test solution

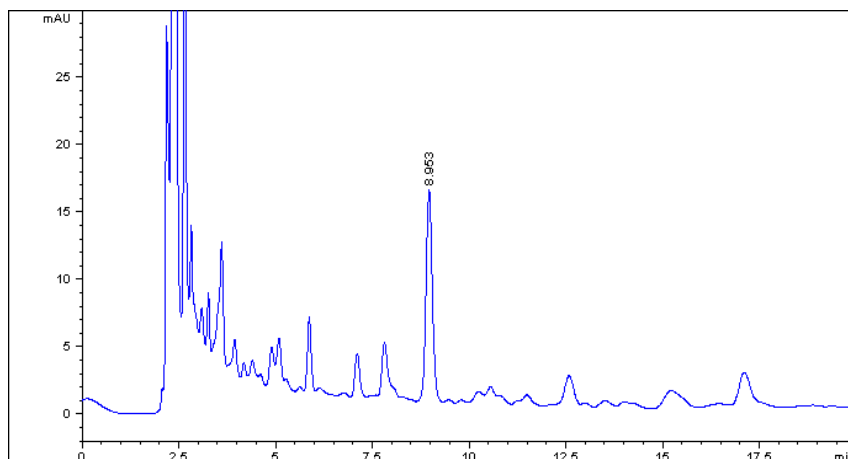
Remove the coatings from 10 tablets and weigh accurately. Grind to a fine powder, accurately weigh 0.15 g in a centrifugal tube, add 2 mL of water and 0.75 g of neutral alumina (100-200 mesh), and mix well. Wash with two 10 ml quantities of water, centrifuge, discard the washings, and extract by stirring with three 4 ml quantities of 5 % oxalic acid. Centrifuge, combine the oxalic acid solutions in a 25 mL volumetric flask, and dilute to volume with 5 % oxalic acid. Mix well and filter through a millipore membrane (0.45 µm), use the filtrate 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-methanol-1.45% glacial acetic acid (0.5:9:91)
- 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 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
Danshensu	2.581	8.953	15.74	179.3	15168	1.07