

# Renqing Mangjue Pills (*Renqing Mangjue*) – 仁青芒觉

## Sample source

Commercially available Renqing Mangjue Pills

## Chemical reference substances

Strychnine (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110705-200205)

## Preparation of test solution

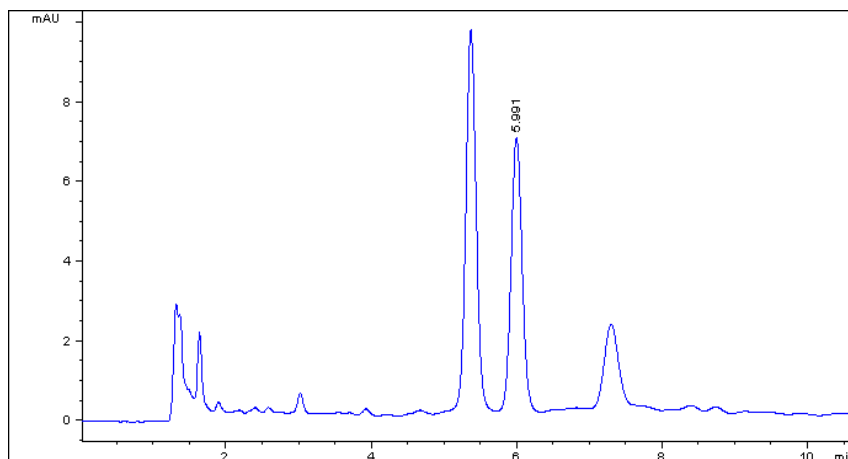
Accurately weigh 0.9 g of the powder in a stoppered conical flask, accurately add 50 mL of chloroform and 2 mL of concentrated ammonia TS, stopper tightly, and shake gently. Weigh, allow to stand for 24 hours, weigh again, replenish the lost weight with chloroform, mix well, and filter. Accurately measure 20 mL of the filtrate in a separating funnel, extract by shaking with five 20 mL quantities of sulfuric acid solution (3:100). Combine the extracts, adjust pH value to 9-10 with concentrated ammonia TS, extract with five 20 mL quantities of chloroform, combine the chloroform extracts, and evaporate to dryness in vacuum. Dissolve the residue in mobile phase, transfer to a 10 mL volumetric flask, dilute to volume and mix well. Filter and use the filtrate as the test solution.

## Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 25 °C
- Mobile phase: methanol-0.01mol/L potassium dihydrogen phosphate (27:73) (pH 2.15)
- Detector wavelength: 254nm
- 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 <sub>r</sub>
	2.994	5.991	6.88	72.3	7752	1.05