

# Hugan Tablets (*Hugan Pian*) – 护肝片

## Sample source

Commercially available Hugan Tablets

## Chemical reference substances

Schisandrin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110857-200203)

## Preparation of test solution

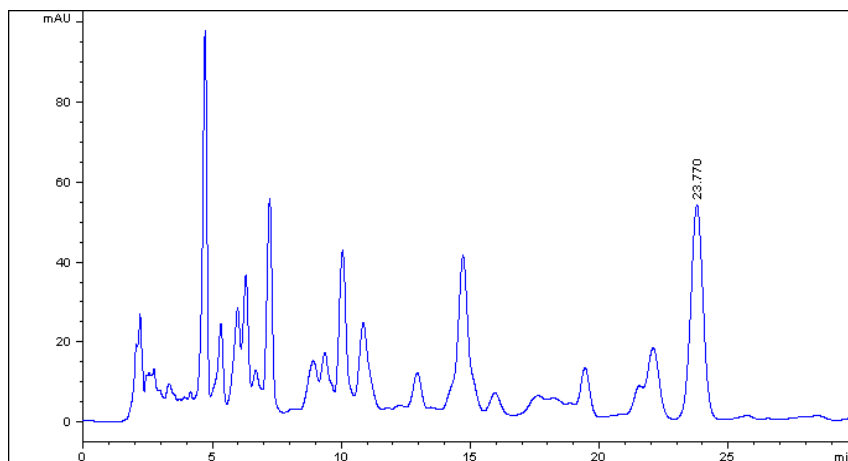
Take 10 tablets of the drug, remove the coating, accurately weigh and grind to a fine powder, accurately weigh 0.7 g of the powder, heat under reflux with 25 mL of ethyl acetate for 30 minutes, allow to cool, filter, wash the residue and the container with 30 mL of ethyl acetate in portions, filter, combine the washings and filtrate, evaporate to dryness, dissolve the residue with methanol and transfer to a 10 mL volumetric flask, dilute with methanol to volume, mix well, filter, and use the filtrate as the test solution.

## Chromatographic conditions

- Column: ZORBAX XDB C18 4.6×250 mm, 5 μm (990967-902)
- Column temperature: 25 °C
- Mobile phase: methanol-water (61:39)
- Detector wavelength: 254 nm
- Flow rate: 1.0 mL/min
- Injection volume: 20 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 <sub>r</sub>
Schisandrin	8.508	23.77	53.71	1763.4	12193	1.00