

# Danshen Root (*Radix et Rhizoma Salviae Miltiorrhizae*) – 丹参

## Sample source

Commercially available Danshen Root

## Chemical reference substances

Salvianolic acid B (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 11562-200302)

## Preparation of test solution

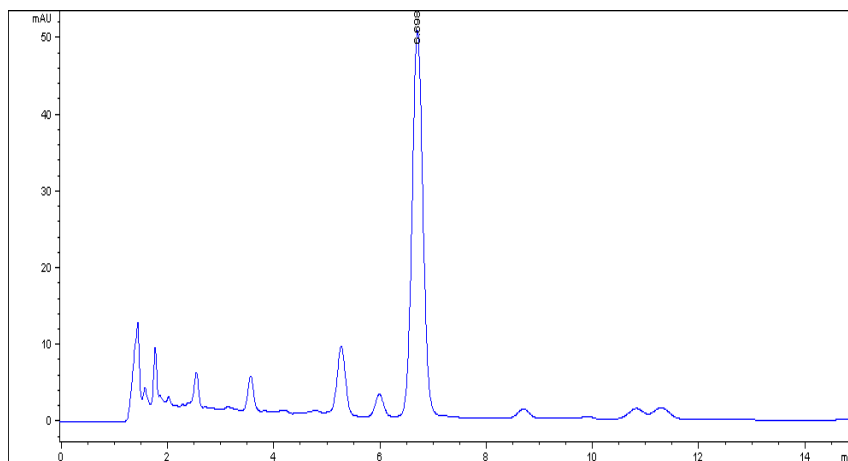
Accurately weigh 0.2 g of the powder in a stoppered conical flask, accurately add 50 mL of 75 % methanol and weigh. Heat under reflux for 1 hour, allow to cool and weigh again, replenish the lost solvent with 75 % methanol, mix well and filter. Use the successive filtrate as test solution.

## Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 25 °C
- Mobile phase: methanol-acetonitrile-formic acid-water (30:10:1:59)
- Detector wavelength: 286 nm
- Flow rate: 1.0 mL/min

## 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>
Salvianolic acid B	4.582	6.698	50.27	706.1	5349	1.03