

Pagodatree Flower (carbonized) (*Flos Sophorae*) – 炒槐花

Sample source

Commercially available Pagodatree Flower (carbonized)

Chemical reference substances

Rutin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 100080-200306)

Preparation of test solution

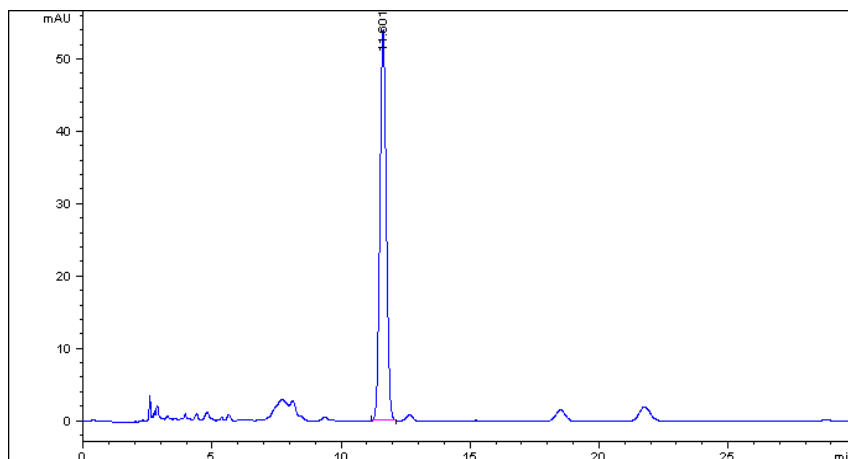
Accurately weigh 0.3 g of the coarse powder in a stoppered conical flask, accurately add 50 mL of methanol, weigh and treat ultrasonically for 30 minutes, allow to cool, weigh again, replenish the lost solvent with methanol, and mix well. Filter, accurately measure 2 mL of the filtrate in a 10 mL volumetric flask, add methanol to volume and mix well.

Chromatographic conditions

- Column: ZORBAX SB-aq C18, 4.6×250 mm, 5 μm (880975-914)
- Column temperature: 40 °C
- Mobile phase: methanol-2 % glacial acetic acid (35:65)
- Detector wavelength: 257 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 _r
Rutin	3.64	11.60	54.01	924.2	10752	1.04