Lotus Leaf *(Folium Nelumbinis)* – 荷叶

Sample source

Commercially available Lotus Leaf

Chemical reference substances

Nuciferine (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 111566-200201)

Preparation of test solution

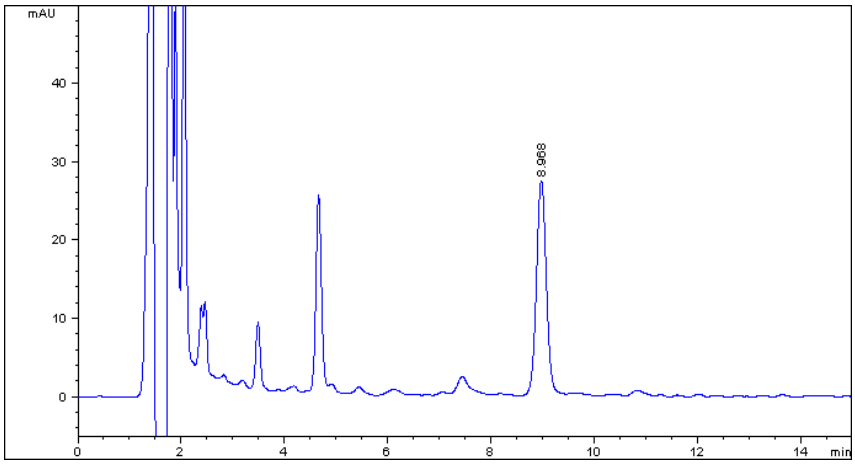
Accurately weigh 0.5 g of the coarse powder in a stoppered conical flask, accurately add 50 mL of methanol, weigh, heat under reflux on a water bath for 2.5 hours, allow to cool, weigh again, replenish the lost weight with methanol, mix well, and filter. Accurately measure 5 mL of the filtrate in a 10 mL volumetric flask, dilute with water to volume, and mix well. Filter with a millipore membrane (0.45 µm) and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX XDB-C18, 4.6×150 mm,5 µm (993967-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-water-triethylamine-glacial acetic acid (27:70.6:1.6:0.78)
- Detector wavelength: 270 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 thermostatted 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_f
Nuciferine	4.979	8.968	27.19	355.9	11253	1.04