

Common Self-heal Fruit-Spike (*Spica Prunellae*) – 夏枯草

Sample source

Commercially available Common Selfheal Fruit-Spike

Chemical reference substances

Ursolic acid (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 10742-200212)

Preparation of test solution

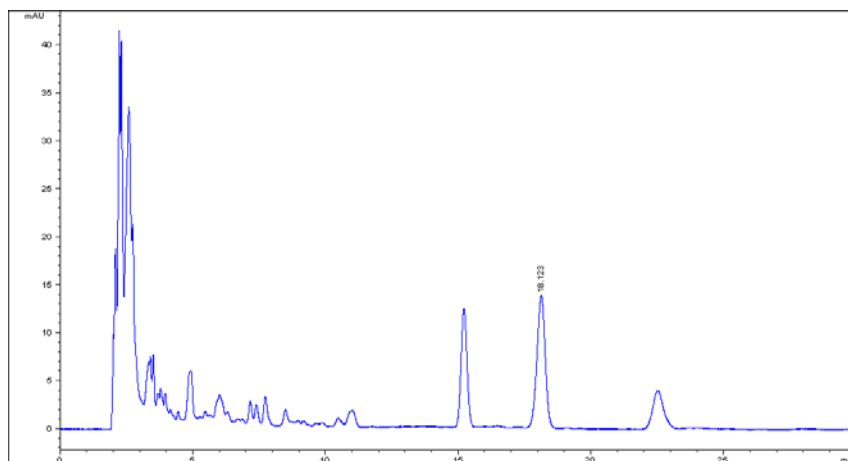
Accurately weigh 2 g of the powder in a Soxhlet extractor, add a quantity of ether and soak overnight, heat under reflux for 6 hours, evaporate the solvent. Dissolve the residue in anhydrous ethanol, transfer to a 10 mL volumetric flask, and dilute to volume with anhydrous ethanol. Measure accurately 1 mL to a 10 mL volumetric flask, dilute with anhydrous ethanol to volume and mix well.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×250 mm, 5 µm (880975-902)
- Column temperature: 50 °C
- Mobile phase: acetonitrile-1.4 % phosphoric acid (72:28)
- Detector wavelength: 210 nm
- Flow rate: 1.0 mL/min
- Injection volume: 10 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 _r
Ursolic acid	6.249	18.123	13.77	298.4	16225	0.95