Ginkgo Biloba Leaf Extract *(Extractum Folium Ginkgo Siccus)*
银杏叶提取物

Sample source

Commercially available Ginkgo Biloba leaf Extract

Chemical reference substances

1. Quercetin, 2. Kaempferol, 3. Isorhamnetin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 1. 0081-9905, 2. 0864-9901)

Preparation of test solution

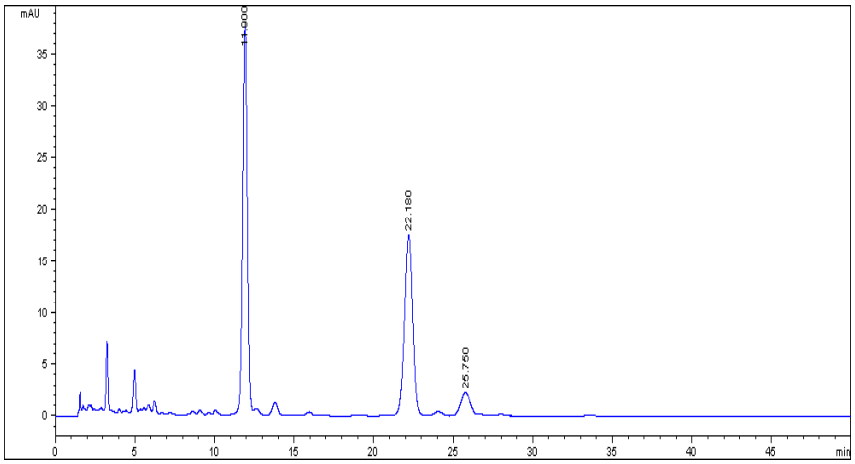
Accurately weigh 35 mg and extract with 25 mL of a mixture of methanol and 25 % hydrochloride acid solution (4:1) under reflux on a water bath for 30 minutes. Cool immediately to room temperature, transfer to a 25 mL volumetric flask, dilute with methanol to volume, shake well, filter and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 25 °C
- Mobile phase: methanol-0.4 % phosphoric acid (45:55)
- Detector wavelength: 360 nm
- Flow rate: 1.0 mL/min
- Injection volume: 5 µL

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
Quercetin	6.937	11.900	37.65	770.8	8132	0.99
Kaempferol	13.787	22.18	17.42	625.4	9061	0.98
Isorhamnetin	16.167	25.75	2.20	92.6	8816	1.05