

Bushen Yiniao Tablets (*Bushen Yiniao Pian*) – 补肾益脑片

Sample source

Commercially available Bushen Yiniao Tablets

Chemical reference substances

1. Psoralen, 2. Isopsoralen (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 1. 110739-200309, 2. 110738-200309)

Preparation of test solution

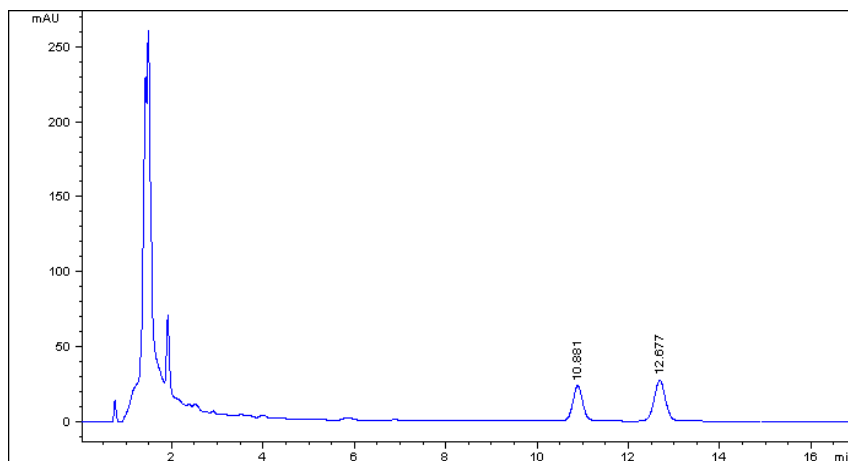
Accurately weigh 20 tablets, remove the coating, grind well. Accurately weigh 0.3 g in a 5 mL volumetric flask. Accurately add 5 mL of methanol, weigh, treat ultrasonically for 30 minutes, cool, weigh again, replenish the lost the weight with methanol, mix well and filter, use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 35 °C
- Mobile phase: methanol-water (42:58)
- Detector wavelength: 245 nm
- Flow rate: 1.0 mL/min
- Injection volume: 2 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	USPT _i
Psoralen	8.067	10.881	23.34	344.1	12877	1.05
Isopsoralen	9.564	12.677	26.96	457.4	13206	1.04