

Yatong Yili Pills (*Yatong Yili Wan*) – 牙痛一粒丸

Sample source

Commercially available Yatong Yili Pills

Chemical reference substances

1. Cinobufagin, 2. Bufogenin
(National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 1. 110803-200203, 2. 110718-200207)

Preparation of test solution

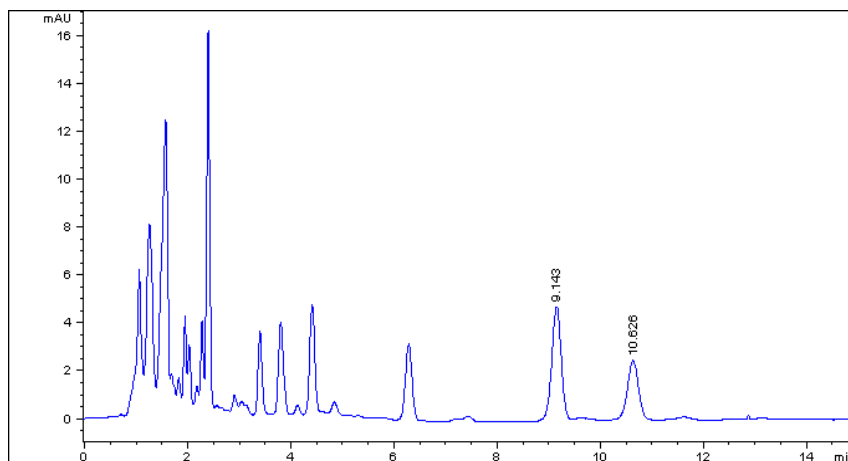
Grind the pills to a fine powder, accurately weigh 75 mg of the powder in a stoppered conical flask, accurately add 5 mL of methanol, stopper tightly, and weigh. Treat ultrasonically for 30 minutes, allow to cool, weigh again, replenish the lost weight with methanol and mix well. Filter through a millipore membrane (0.45 μm) and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6 \times 150 mm, 5 μm (883975-902)
- Column temperature: 35 $^{\circ}\text{C}$
- Mobile phase: acetonitrile-water (45:55)
- Detector wavelength: 296 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 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
Cinobufagin	6.619	9.143	4.70	58.7	12390	0.97
Bufogenin	7.855	10.626	2.44	35.2	12417	0.98