

Chinese Clinopodium Tablets (*Tabellae Clinopodii*) – 断血流片

Sample source

Commercially available Chinese Clinopodium Tablets

Chemical reference substances

buddlejasaponin IVb (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110782-200301)

Preparation of test solution

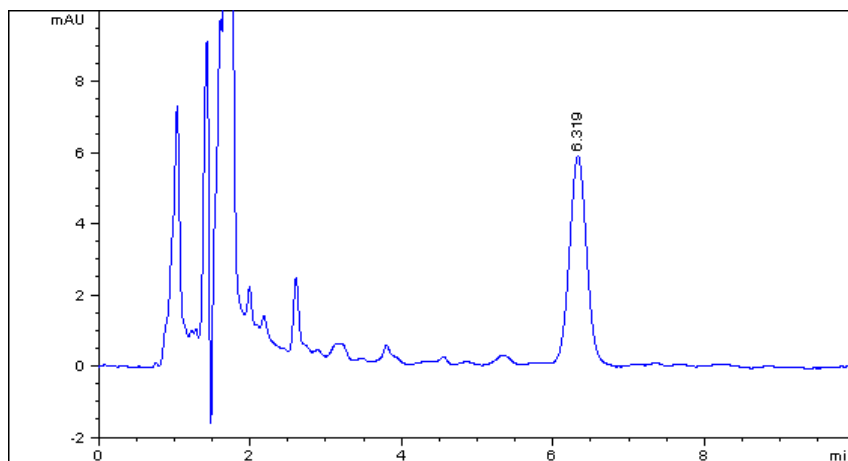
Remove the coating of 20 tablets and grind to a fine powder. Accurately weigh 0.3 g of the powder in a stoppered conical flask, accurately add 20 mL of methanol, treat ultrasonically for 15 minutes and filter. Accurately add 20 mL of methanol, and treat ultrasonically for 15 minutes again, filter. Combine the filtrates, evaporate to dryness, dissolve the residue in 30 mL of water, and transfer to a separating funnel, extract with four 20 mL quantities of n-butanol saturated with water, combine the n-butanol extracts, wash with 30 mL of ammonia saturated with n-butanol, wash with two 30 mL quantities of water saturated with n-butanol, Evaporate n-butanol solution to dryness, dissolve the residue in methanol, and transfer to a 100 mL volumetric flask, add methanol to volume, 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: 25 °C
- Mobile phase: methanol-water (77:23)
- Detector wavelength: 250 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
Buddlejasaponin IVb	3.213	6.319	5.85	91.6	3841	1.03