Chinese Clinopodium Granules *(Granules Clinopodii)*
断血流颗粒

Sample source

Commercially available Chinese Clinopodium Granules

Chemical reference substances

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

Preparation of test solution

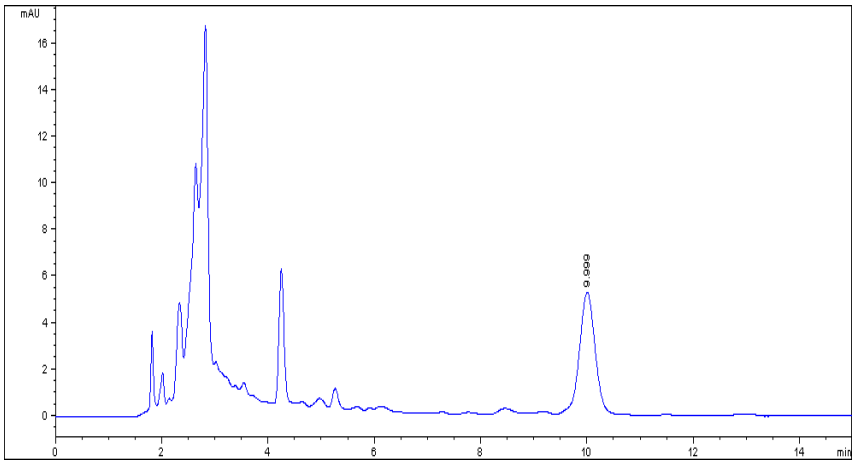
Grind the granules to a fine powder. Accurately weigh 0.5 g of the powder, add 30 mL of methanol, treat ultrasonically for 15 minutes and filter. Add 30 mL of methanol to the residue, treat ultrasonically for 15 minutes and filter. Combine the filtrates, evaporate to dryness, dissolve the residue in 30 mL of water, transfer to a separator funnel, extract with four 20 mL quantities of n-butanol saturated with water. Combine the n-butanol extract and wash with 30 mL of ammonia saturated with n-butanol and wash successively with two 30 mL quantities of water saturated with n-butanol. Separate the n-butanol extract, evaporate to dryness, dissolve the residue in methanol, and transfer to a 50 mL volumetric flask. Dilute with methanol to volume, mix well and filter. Use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×250 mm, 5 µm (880975-902)
- Column temperature: 25 °C
- Mobile phase: methanol-water (78:22)
- Detector wavelength: 250 nm
- Flow rate: 1.0 mL/min

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
Buddlejasaponin IVb	3.00	9.999	5.23	106.5	5925	0.98