Tiaojing Cuyun Pills *(Tiaojing Cuyun Wan)* – 调经促孕丸

Sample source

Commercially available Tiaojing Cuyun Pills

Chemical reference substances

paeoniflorin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 110736-200220)

Preparation of test solution

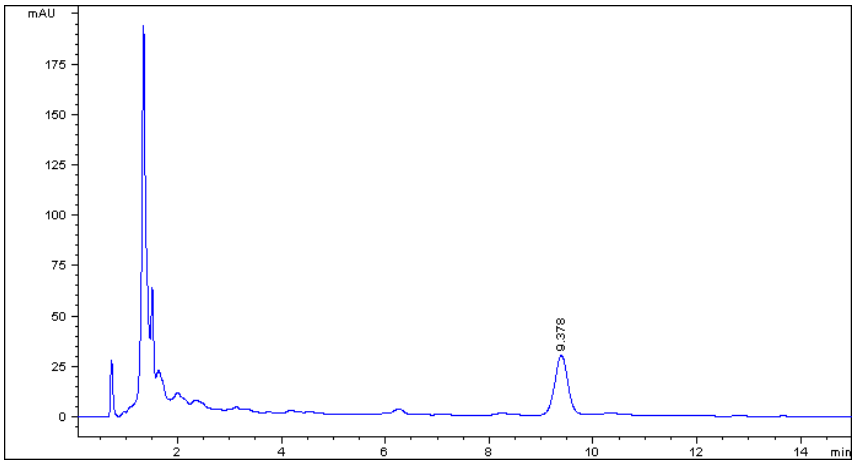
Grind the pills to fine powder, accurately weigh 1.5 g in a Soxhlet extractor, add a quantity of ether, heat under reflux for 3 hours, discard the ether extract and evaporate the remaining solvent in the residue. Put the residue and the extractor in a stoppered conical flask, accurately add 50 mL of methanol, stopper tightly, and weigh accurately. Treat ultrasonically for 30 minutes, allow to cool, weigh again, replenish the lost weight with methanol, shake well and filter. Accurately measure 25 mL of the filtrate, and evaporate to dryness. Dissolve the residue in a quantity of water, apply to a D 101 macroporous resin column (1.5 cm in inner diameter, 12 cm in length), elute with water until the eluent is colorless, and then elute with 50 % ethanol. Discard the initial eluent, collect 100 mL of the successive eluent, evaporate to dryness, dissolve the residue in a quantity of methanol, transfer to a 25 mL volumetric flask, dilute with methanol to volume, and shake well. Filter through a millipore membrane (0.45 µm) and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 35 °C
- Mobile phase: methanol-water (26:74)
- Detector wavelength: 230 nm
- Flow rate: 1.0 mL/min
- Inject 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
Paeoniflorin	6.815	9.378	29.29	504.6	6838	1.01