

# Fuke Tiaojing Tablets (*Fuke Tiaojing Pian*) – 妇科调经片

## Sample source

Commercially available Fuke Tiaojing Tablets

## Chemical reference substances

ferulic acid (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110773-9910)

## Preparation of test solution

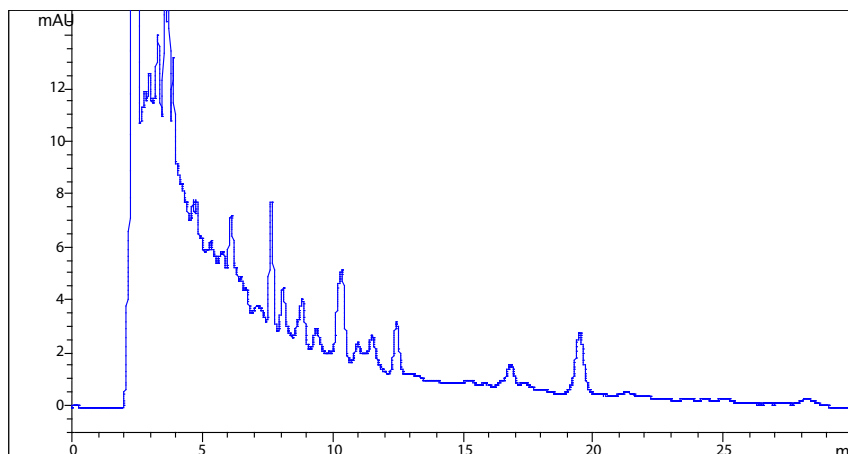
To 10 tablets with coating removed, weighed accurately, pulverized to fine powder, weighed accurately 1 g of the powder to a stopper conical flask. Add accurately 15 ml of methanol, stopped tightly, weighed accurately, ultrasonicate for 60 minutes, allow to cool, weighed accurately again, replenished the lost weight with methanol, mix well and filter. Discard the initial

## Chromatographic conditions

- Column: ZORBAX Eclipse Plus C18, 4.6×250mm, 5µm (959990-902)
- Column temperature: 25 °C
- Mobile phase: methanol-0.1% phosphoric acid (30:70)
- Detector wavelength: 320nm
- 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 thermostated column compartment
- Agilent 1200 Series variable wavelength detector
- System control through Agilent ChemStation revision B.01.01



Components	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T <sub>f</sub>
Ferulic acid	19.483	2.34	56.5	16531	0.93