

CoreFocus
Report
No.74

LC

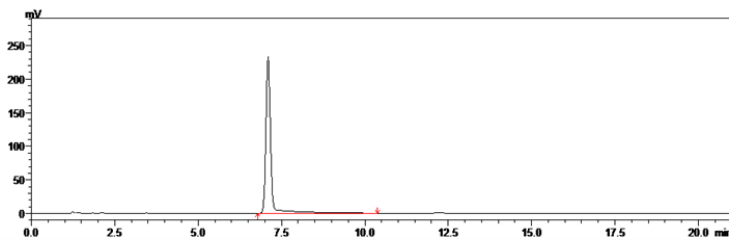
Reversed-phase

Shim-pack Series

Shim-pack™ FC-ODS
Analysis of Paeoniflorin in Herbal
medicine

Keywords: Herbal medicine

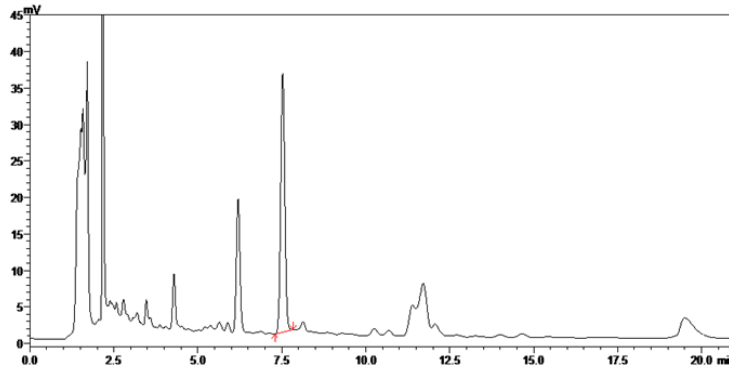
Chromatogram of Standard



1. Paeoniflorin

Standard
Paeoniflorin (32 µg/mL in Methanol)

Chromatogram of Herbal medicine



Pretreatment procedure

- Collect sample (commercially available Herbal medicine) and passed through No. 3 sieve.
- Weigh 1 g of sample and transfer into a stoppered conical flask.
- Add 25 mL of 50% Methanol into flask.
- Close the stopper and reweigh.
- Ultrasonically treat it (power 400 W, frequency 50 kHz) for 30 minutes.
- After cooling, weigh the conical flask.
- Add 50% Methanol to bring the final weight to the pre-reflux weight (Step d).
- Shake well and filter into a sample vial

Column	: Shim-pack FC-ODS (150 mm x 4.6 mm I.D., 3 µm), P/N : 228-40511-93
Mobile phase	: Acetonitrile : 0.1% aqueous Phosphoric acid = 15 : 85
Flow rate	: 1.0 mL/min
Column temp.	: 40°C
Injection vol.	: 20 µL
Vial	: LabTotal™ Vial for LC/LCMS, P/N : 227-34001-01
Detection	: UV at 230 nm

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