

CoreFocus
Report
No.40

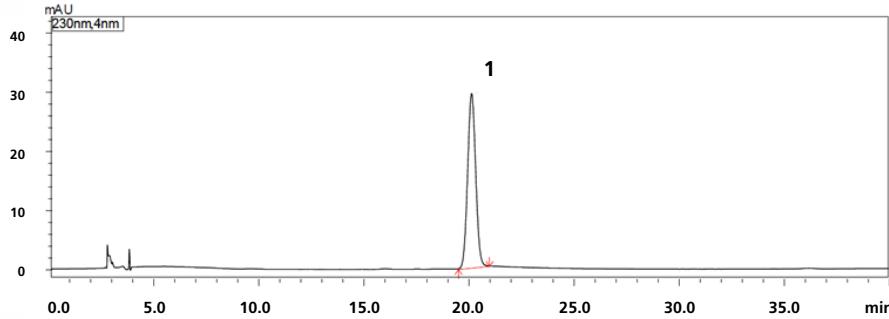
LC Reversed-phase Shim-pack™ Series

Shim-pack Scepter™ C18-120

Analysis of Paeoniflorin in *White Peony*

Keywords: *Paeonia moutan*, *Paeony root*, Terpene glycoside, Herbal medicine

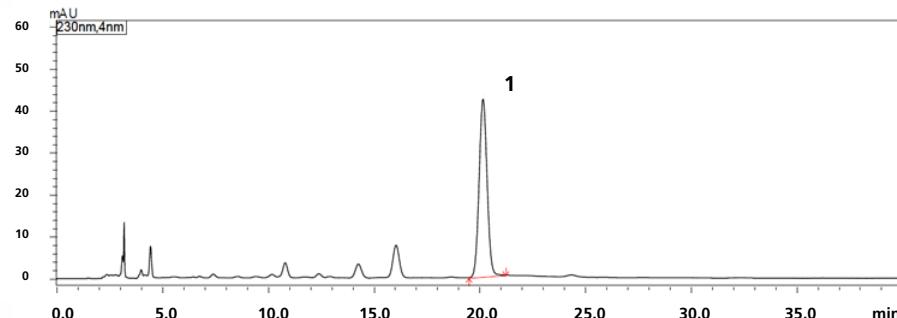
Chromatogram of Standard



1. Paeoniflorin

Standard
Paeoniflorin (60 µg/mL in Methanol)

Chromatogram of *White Peony*



Pretreatment procedure

- Weigh 0.1 g of sample (commercially available *White Peony* powder) and transfer into a 50 mL measuring flask.
- Add 50 mL of Ethanol into flask.
- Close the stopper.
- Ultrasonically treat it (power 240 W, frequency 45 kHz) for 30 minutes.
- After cooling, add Ethanol to bring the final volume to 50 mL.
- Shake well and filter into a sample vial.

Column	: Shim-pack Scepter C18-120 (250 mm x 4.6 mm I.D., 5 µm), P/N : 227-31020-06
Mobile phase	: A) 0.1% Phosphoric acid aqueous solution B) Acetonitrile A : B = 86 : 14 (Isocratic elution)
Flow rate	: 1.0 mL/min
Column temp.	: 25°C
Injection vol.	: 10 µL
Vial	: LabTotal™ Vial for LC/LCMS, P/N : 227-34001-01
Detection	: UV at 230 nm

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