

CoreFocus
Report
No.40

LC

Reversed-phase

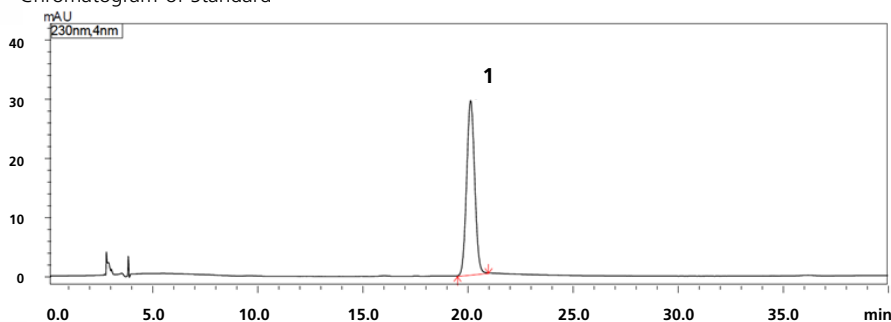
Shim-pack™ Series

Shim-pack Scepter™ C18-120

Analysis of Paeoniflorin in *White Peony*

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

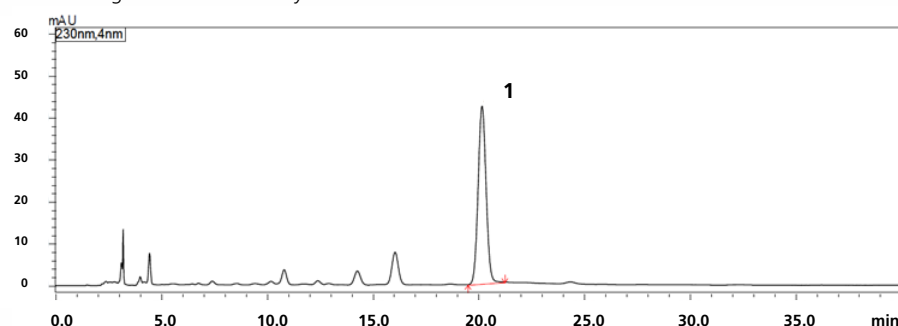
Chromatogram of Standard



1. Paeoniflorin

Standard
Paeoniflorin (60 µg/mL in Methanol)

Chromatogram of *White Peony*



Pretreatment procedure

1. Weigh 0.1 g of sample (commercially available *White Peony* powder) and transfer into a 50 mL measuring flask.
2. Add 50 mL of Ethanol into flask.
3. Close the stopper.
4. Ultrasonically treat it (power 240 W, frequency 45 kHz) for 30 minutes.
5. After cooling, add Ethanol to bring the final volume to 50 mL.
6. 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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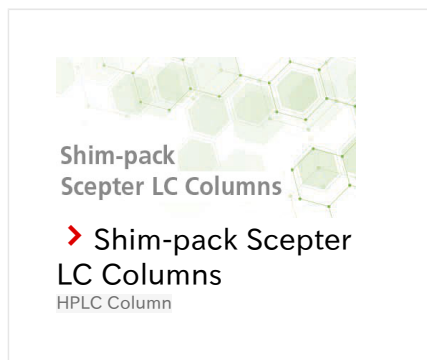
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