

CoreFocus
Report
No.8

LC

Reversed-phase

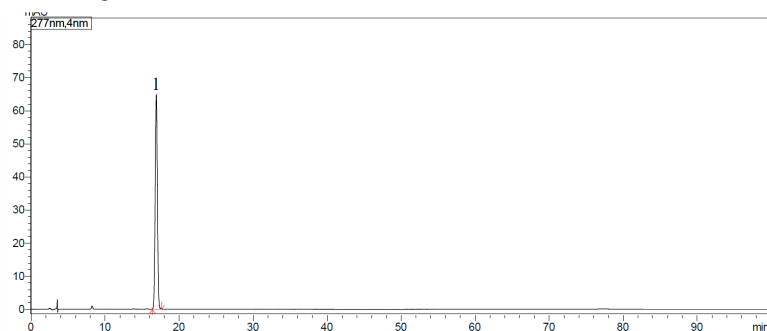
Shim-pack™ Series

Shim-pack Scepter™ C18-120

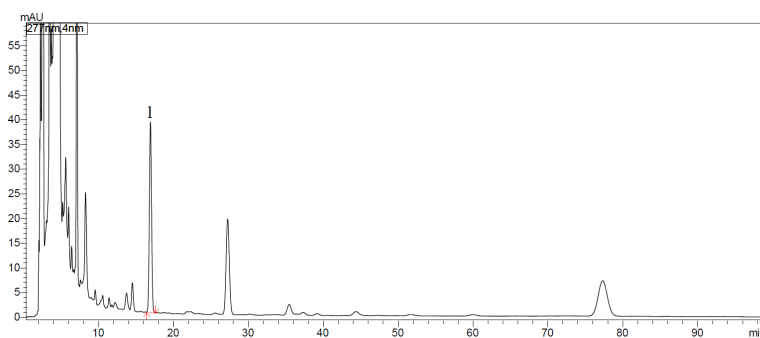
Analysis of Forsythin in *Forsythia*

Keywords: Chinese herbal medicine, glucopyranoside, antioxidant, antibacterial

Chromatogram of Standard Mix



Chromatogram of *Forsythia*



1. Forsythin

Standard Mix
Forsythin (0.2 mg/mL in Methanol)

Pretreatment procedure

- Collect sample (commercially available Forsythia powder) and passed through No. 5 sieve.
- Weigh 2g of sample and transfer into a stoppered conical flask.
- Add 25 mL of Methanol into flask.
- Close the stopper and reweigh.
- Ultrasonically treat it (power 250 W, frequency 40 kHz) for 25 minutes.
- After cooling, weigh the conical flask.
- Add Methanol to bring the final weight to the pre-reflux weight (Step d).
- Shake well and filter, then transfer 10mL into a 25mL flask.
- Add water to bring the final volume to 25mL.
- Shake well and filter into a sample vial.

Column	: Shim-pack Scepter C18-120, (250 x 4.6 mm I.D., 5 μm) P/N: 227-31020-06
Mobile phase	: A) Acetonitrile B) Water A/B=1:3 (Isocratic flow)
Flow rate	: 1.0 mL/min
Column Temp.	: 40°C
Detection	: UV 277 nm
Injection Volume	: 10 μL
Vial	: LabTotal™ Vial for LC/ LCMS, P/N: 227-34001-01

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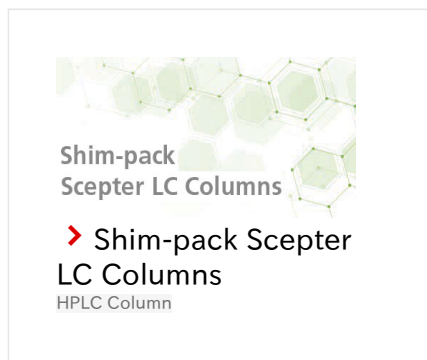
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