

CoreFocus
Report
No.38

LC

Reversed-phase

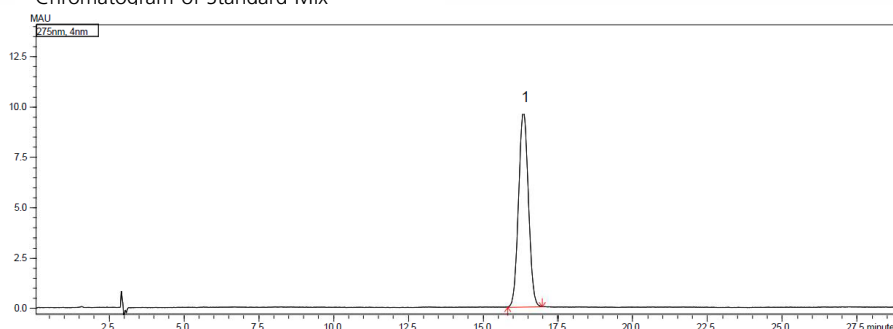
Shim-pack Series

Shim-pack™ GIS C18

Analysis of Salidroside in *Ligustrum*

Keywords: Rhodioloside, Phenolic glycosides, Glycoside, Rhododin

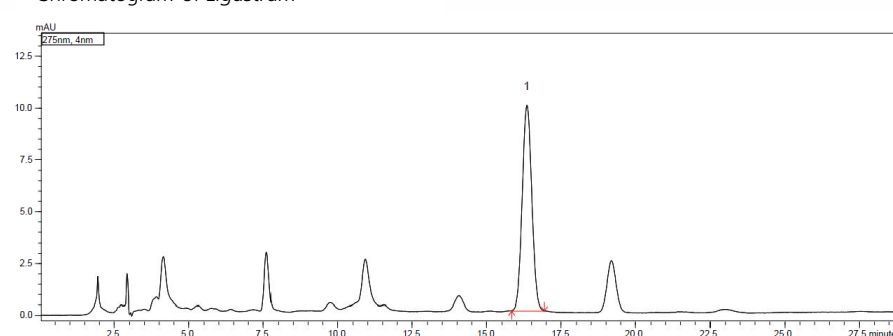
Chromatogram of Standard Mix



1. Salidroside

Standard
Salidroside (70 µg/mL in Methanol)

Chromatogram of *Ligustrum*



Pretreatment procedure

- Collect sample (commercially available *Ligustrum* powder) and passed through No. 3 sieve.
- Weigh 0.5 g of sample and transfer into a stoppered conical flask.
- Add 50 mL of 70% Methanol into flask.
- Close the stopper and reweigh.
- Ultrasonically treat it (power 500 W, frequency 40 kHz) for 30 minutes.
- After cooling, weigh the conical flask.
- Add 70 % Methanol to bring the final weight to the pre-reflux weight (Step d).
- Shake well and filter into a sample vial.

Column	: Shim-pack GIS C18 (250 mm x 4.6 mm I.D., 5 µm), P/N : 227-30106-08
Mobile phase	: A) Water B) Methanol A : B = 85 : 15 (Isocratic elution)
Flow rate	: 1.0 mL/min
Column temp.	: 40°C
Injection vol.	: 10 µL
Vial	: LabTotal™ Vial for LC/LCMS, P/N : 227-34001-01
Detection	: UV at 275 nm

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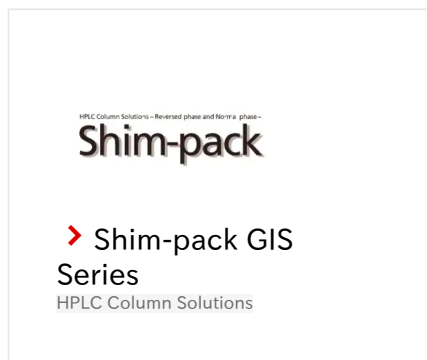
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