

CoreFocus
Report
No.19

LC

Reversed-phase

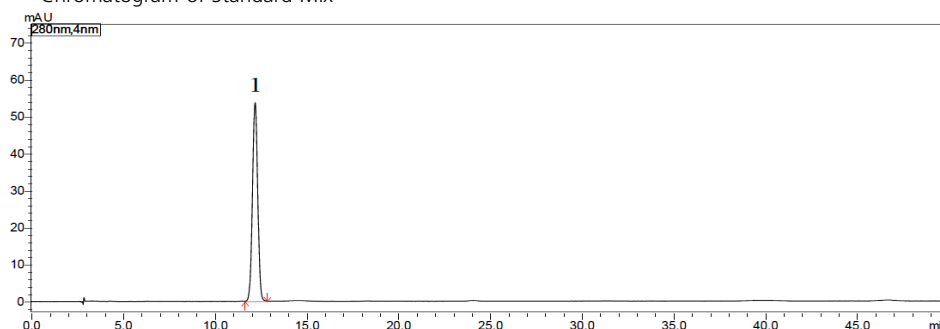
Shim-pack Series

Shim-pack™ VP-ODS

Analysis of Baicalin in *Scutellaria*

Keywords: Chinese herbal medicine, Baicalin

Chromatogram of Standard Mix



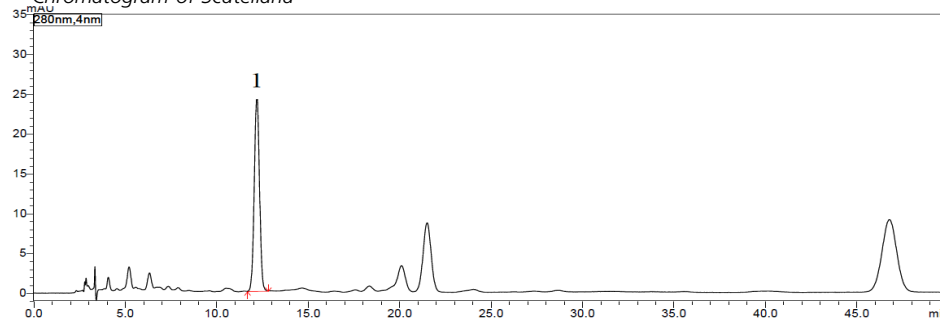
1. Baicalin

Pretreatment procedure

<Standard Mix>

Baicalin (60 µg/mL in Methanol)
Collect Baicalin and dry under
reduced pressure at 60°C for 4
hours.

Chromatogram of *Scutellaria*



<Scutellaria>

- Weigh 0.3 g of sample (commercially available *Scutellaria* powder) and transfer into a stoppered conical flask.
- Add 40 ml of 70% Ethanol/Water into flask.
- Close the stopper and reweigh.
- Heat to reflux for 3 hour.
- After cooling, filter into a 100ml volumetric flask.
- Wash the volumetric flask with a small amount of 70 % Ethanol/Water
- Filter the washing liquid (Step f) into same flask.
- Add 70 % Ethanol/Water to bring the final volume to 100ml.
- Shake well and collect 1ml and transfer into 10ml flask.
- Add Methanol to bring the final volume to 10 ml and shake well.

Column	: Shim-pack VP-ODS (250 mm x 4.6 mm I.D., 5 µm)	P/N: 228-34937-92
Mobile phase	: A) Methanol : B) Water : C) Phosphoric acid	
	: A: B: C= 47 : 53 : 0.2 (Isocratic elution)	
Flow rate	: 1.0 mL/min	
Column Temperature	: 40°C	
Injection volume	: 10 µL	
Detection	: UV 280 nm	
Vial	: LabTotal™ Vial for LC LC/MS, P/N: 227-34001-01	

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