

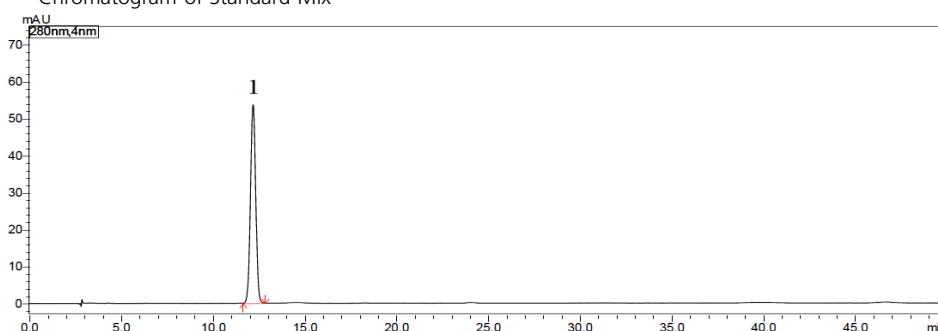
LC Reversed-phase Shim-pack Series

Shim-pack™ VP-ODS

Analysis of Baicalin in *Scutellaria*

Keywords: Chinese herbal medicine, Baicalin

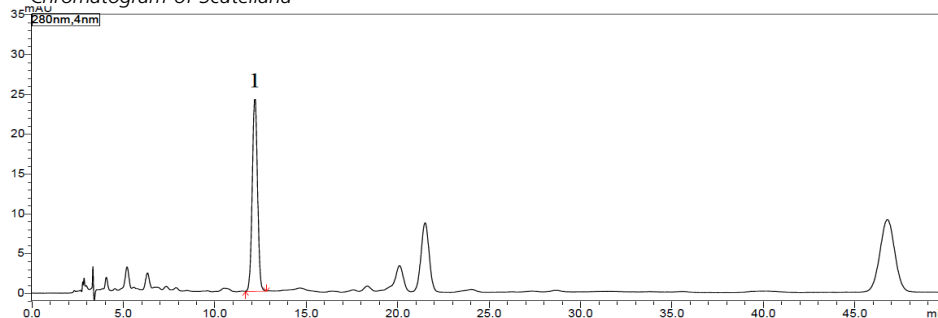
Chromatogram of Standard Mix



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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