

CoreFocus
Report
No. 2

LC

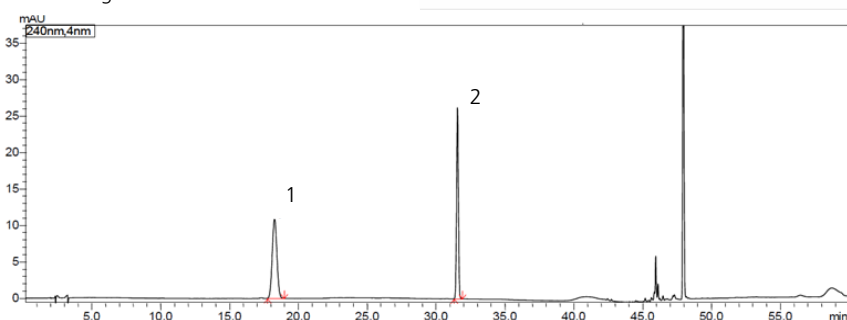
Reversed-phase

Shim-pack Series

Shim-pack™ GIS C18
Analysis of Binapacryl and Loganin
in Six Ingredient Pills with *Rehmannia*

Keywords: Pesticide, Glycoside, Herbal medicine

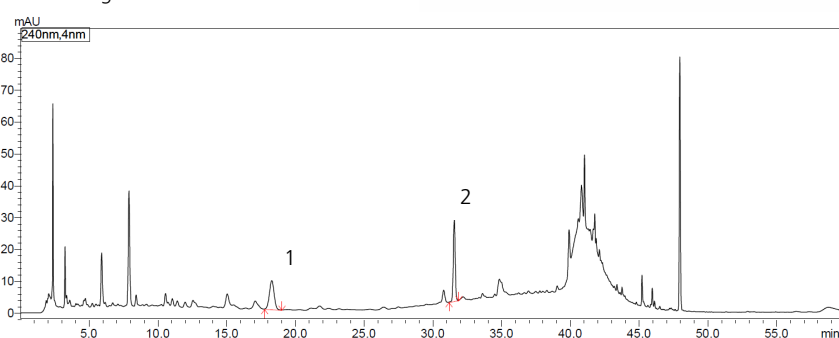
Chromatogram of Standard Mix



1. Morocide
2. Loganin

Standard Mix
Morocide
Loganin
(20 µg/mL in Methanol)

Chromatogram of *Rehmannia*



Pretreatment procedure

- Collect sample. (Herbal medicine: Six Ingredient Pills with *Rehmannia*) and grind to a fine powder.
- Weigh 0.7g of sample and transfer into a stoppered conical flask.
- Add 25 mL of 50% Methanol/Water into flask.
- Close the stopper and reweigh.
- Heat to reflux for 1 hour.
- After cooling, weigh the conical flask.
- Add 50% Methanol/Water 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 x 4.6 mm I.D., 5 µm), P/N: 227-30106-08
Mobile phase	: A: 0.3% Phosphoric acid, B: Acetonitrile
Time program	: B Conc. 5% (0.0 min) → 8% (5.0 - 20.0 min) → 20% (35.0 min) → 60% (45.0 - 55.0 min) → 5% (55.1 - 65.0 min)
Flow rate	: 1.3 mL/min
Column Temp.	: 40°C
Detection	: UV 240 nm
Injection volume	: 10 µL
Vial	: LabTotal™ Vial for LC/ LCMS, P/N: 227-34001-01

CoreFocus, Shim-pack and LabTotal are trademarks of Shimadzu Corporation or its affiliated companies in Japan and/or other countries.

Shimadzu Corporation
www.shimadzu.com/an/

For Research Use Only. Not for use in diagnostic procedures.

This publication may contain references to products that are not available in your country. Please contact us to check the availability of these products in your country.

The content of this publication shall not be reproduced, altered or sold for any commercial purpose without the written approval of Shimadzu.

Company names, products/service names and logos used in this publication are trademarks and trade names of Shimadzu Corporation, its subsidiaries or its affiliates, whether or not they are used with trademark symbol "TM" or "®". Third-party trademarks and trade names may be used in this publication to refer to either the entities or their products/services, whether or not they are used with trademark symbol "TM" or "®".

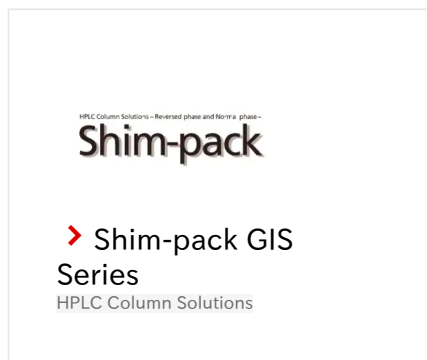
Shimadzu disclaims any proprietary interest in trademarks and trade names other than its own.

The information contained herein is provided to you "as is" without warranty of any kind including without limitation warranties as to its accuracy or completeness. Shimadzu does not assume any responsibility or liability for any damage, whether direct or indirect, relating to the use of this publication. This publication is based upon the information available to Shimadzu on or before the date of publication, and subject to change without notice.

➤ Please fill out the survey

Related Products

Some products may be updated to newer models.



Related Solutions

➤ Small Molecule
Pharmaceutical

➤ 低分子医薬品

➤ Price Inquiry

➤ Product Inquiry

➤ Technical Service /
Support Inquiry

➤ Other Inquiry