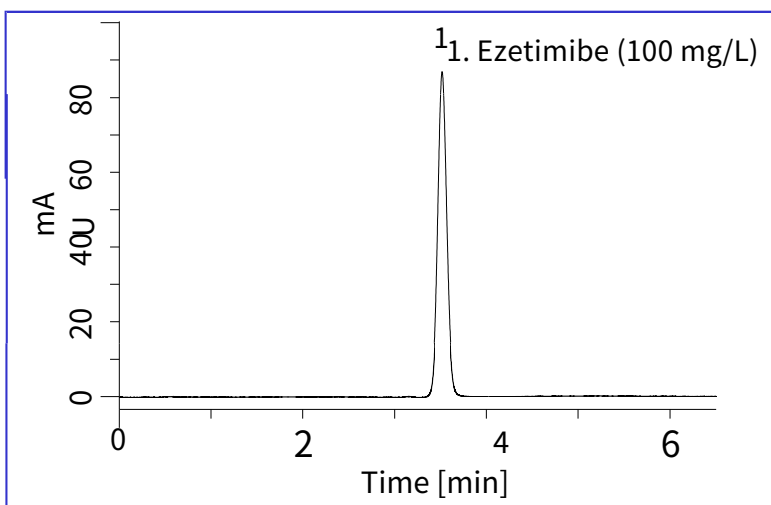


Ezetimibe, which inhibits absorption of cholesterol from intestine, is used for the treatment of hyperlipidemia.

Compounds containing halogens, such as ezetimibe, often cause adsorption to ODS columns. However, Inertsil C8-4 provided symmetric peak even for ezetimibe because the silica surface of

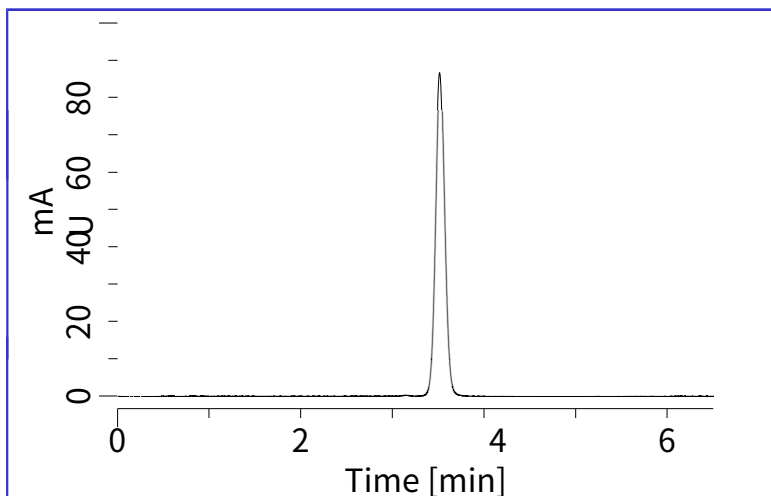
this column is almost completely inert.

Standard Solution

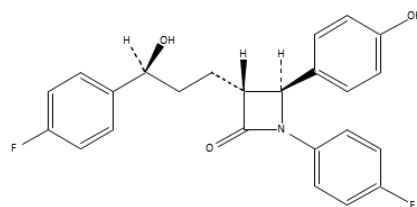


Tablet Sample

The sample concentration was adjusted to 100 mg/L as ezetimibe.



Chemical Structure



Structures are created using Chemistry 4-D Draw which is provided by ChemInnovation Software, Inc.

Consitions;

Column	: Inertsil C8-4 HP (3 μ m, 50 x 4.6 mm I.D.)
Column Cat. No. :	5020-14078
Eluent	: A) CH ₃ CN B) 20 mM KH ₂ PO ₄ A/B = 45/55, v/v
Flow rate	: 1.0 mL/min
Column temp.	: 30 °C
Detection	: UV 232 nm
Injection vol.	: 5 μ L

An example of pretreatment method for tablet sample

Sample

- Grind tablet into powder
- Weigh the powder equivalent to 100 mg of ezetimibe

Extraction

- Add 80 mL of diluent ** Sonication extraction for 30 min
- Make up to 100 mL with diluent

Filtration

- 0.45 μ m membrane filter

Dilution

- Adjust the concentration of ezetimibe to 100 mg/L by adding diluent.

HPLC

** Diluent: Methanol / 20 mM KH₂PO₄ = 1/1, v/v

GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

GL Sciences Inc. Japan

22-1 Nishishinjuku 6-chome
Shinjuku-ku, Tokyo
163-1130, Japan

Phone: +81-3-5323-6620
Fax: +81-3-5323-6621
Email: world@glsc.co.jp
Web: www.glsciences.com

GL Sciences Inc. USA

4733 Torrance Blvd. Suite 255
Torrance, CA 90503
USA

Phone: +1-310-265-4424
Fax: +1-310-265-4425
Email: info@glsciencesinc.com
Web: www.glsciencesinc.com

GL Sciences B.V.

Dillenburgstraat 7C
5652AM, Eindhoven
The Netherlands

Phone: +31-40-254-9531
Email: info@glsciences.eu
Web: www.glsciences.eu

GL Sciences (Shanghai) Limited

Tower B, Room 2003
Far East International Plaza
No.317 Xianxia Road, Changning District
Shanghai, China 200051

Phone: +86-21-62782272
Email: contact@glsciences.com.cn
Web: www.glsciences.com.cn



International Distributors

Visit our Website at www.glsciences.com/distributors