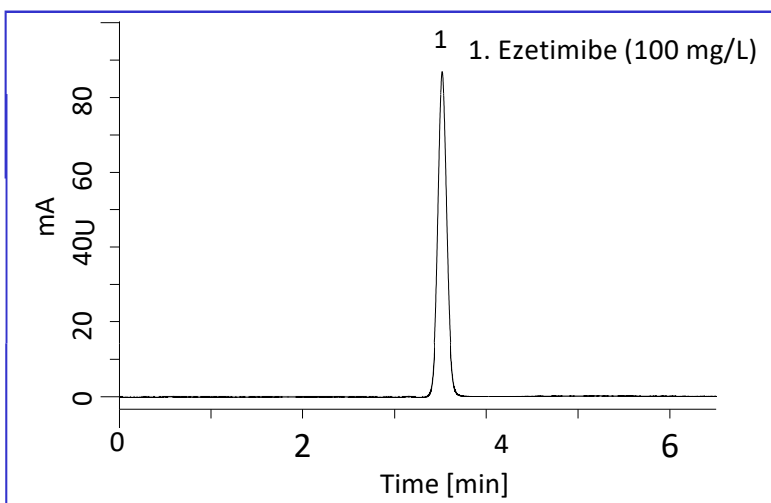


Ezetimibe, which inhibits absorption of cholesterol from intestine, is used for the treatment of hyperlipidemia.

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

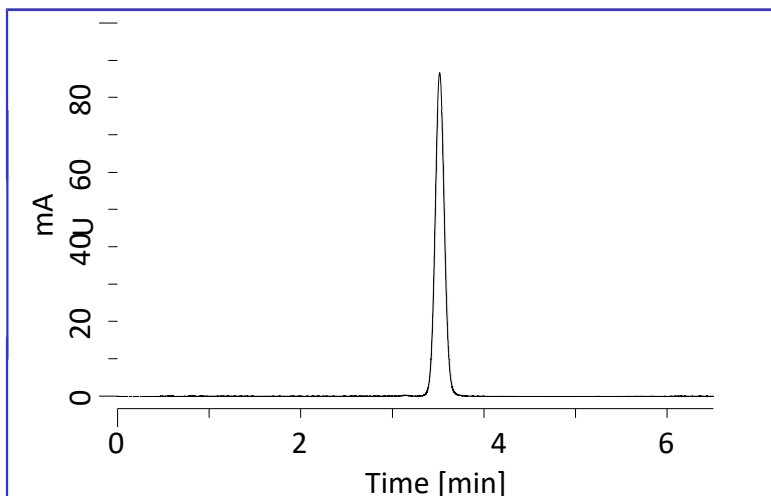
this column is almost completely inert.

Standard Solution

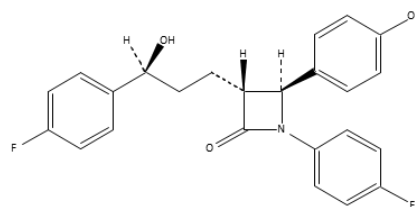


Tablet Sample

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.

Conisitions:

Column	: Inertsil C8-4 HP (3 μm, 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 μL

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 μm membrane filter

Dilution

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

HPLC

** Diluent : Methanil / 20 mM KH PO = 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@glsciences.com
Web: www.glsciences.com

GL Sciences B.V.

De Sleutel 9
5652 AS Eindhoven
The Netherlands
Phone: +31 (0)40 254 95 31
Email: info@glsciences.eu
Web: www.glsciences.eu

GL Sciences (ShangHai) Ltd.

Tower B, Room 2003,
Far East International Plaza,
NO,317 Xianxia Road,
Changning District.
Shanghai, China P.C. 200032
Phone: +86 (0)21-6278-2272
Email: contact@glsciences.com.cn
Web: www.glsciences.com.cn

GL Sciences, Inc. USA

4733 Torrance Blvd. Suite 255
Torrance, CA 90503
Phone: 310-265-4424
Fax: 310-265-4425
Email: info@glsciencesinc.com
Web: www.glsciencesinc.com

International Distributors

Visit our Website at:

<https://www.glsciences.com/company/distributor.html>