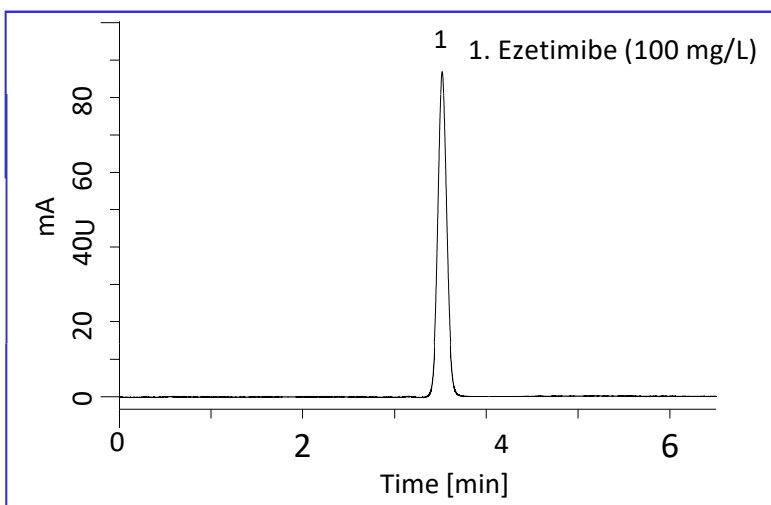


Ezetimibe, which inhibits absorption of cholesterol from intestine, is used for the treatment of hyperlipidemia.

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

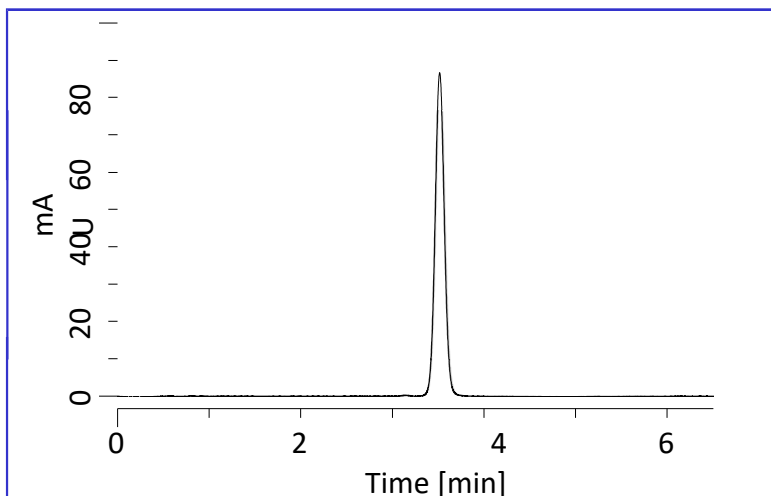
this column is almost completely inert.

Standard Solution

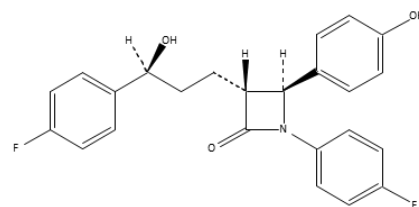


Tablet Sample

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.

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