

Ligustroside Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Ligustroside

Catalog No.: CFN98484

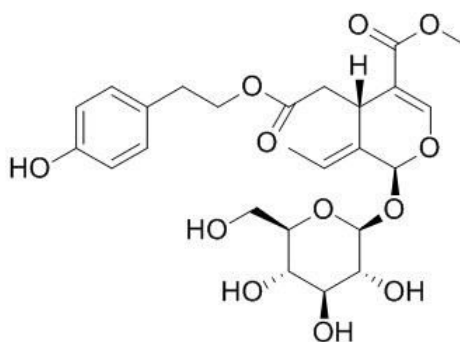
Cas No.: 35897-92-8

Purity: > 95%

M.F: C₂₅H₃₂O₁₂

M.W: 524.5

Physical Description: Powder



Synonyms: Methyl(3Z)-3-ethylidene-2-(beta-D-glucopyranosyloxy)-4-{2-[2-(4-hydroxyphenyl)ethoxy]-2-oxoethyl}-3,4-dihydro-2H-pyran-5-carboxylate.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The seeds of *Ligustrum lucidum*.

[Biological Activity or Inhibitors]

Ligustroside shows little antioxidant activity.^[1]

Ligustroside shows moderate antiviral activities against parainfluenza type 3 virus.^[2]

Ligustroside has anti-inflammatory properties, it shows a significant inhibition effect on prostaglandin E2 (PGE2)-release.^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

Mobile phase: Acetonitrile-0.3% Aqueous acetic acid, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30°C ;

The wave length of determination: 254 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Pérezbonilla M, Salido S, van Beek T A, *et al. J. Chromatogr. A*, 2006, 1112(1-2):311-8.

[2] Ma S C, He Z D, Deng X L, *et al. Chem. Pharm. Bull. (Tokyo)*, 2001 Nov; 49(11):1471-3.

[3] Díaz A M, Abad M J, Fernández L, *et al. Biol. Pharm. Bull.*, 2000 Nov; 23(11):1307-13.

[4] Zhou L, Kang J, Fan L, *et al. J. Pharm. Biomed. Anal.*, 2008, 47(1):39-46.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com