

Lariciresinol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Lariciresinol

Catalog No.: CFN98324

Cas No.: 27003-73-2

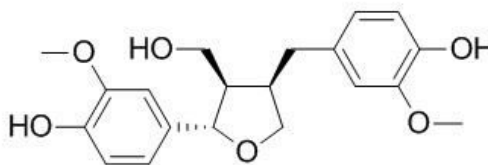
Purity: > 95%

M.F: C₂₀H₂₄O₆

M.W: 360.40

Physical Description: Powder

Synonyms: 4-[[[(3R,4R,5S)-5-(4-hydroxy-3-methoxyphenyl)-4-(hydroxymethyl)oxolan-3-yl]methyl]-2-methoxyphenol.



[Intended Use]

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

[Source]

The herbs of *Phyllanthus niruri*.

[Biological Activity or Inhibitors]

Dietary lariciresinol can attenuate mammary tumor growth and reduce blood vessel density in human MCF-7 breast cancer xenografts and carcinogen-induced mammary tumors in rats.^[1]

Lariciresinol is an enterolignan precursor, it possesses fungicidal activities by disrupting the fungal plasma membrane and therapeutic potential as a novel antifungal agent for the treatment of fungal infectious diseases in humans.^[2]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[3]

Mobile phase: 1% Acetic acid in water- Acetonitrile=15:85 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Niina M. Saarinen , Anni Wärrri, Ruud P.M. Dings, *et al. Int. J.Cancer*, 2008, 123(5): 1196-04.

[2] Hwang B, Cho J, Hwang I S, *et al. Biochem. Bioph. Res. Co.*, 2011, 410(3):489-93.

[3] Liu X. *J. Liq. Chromatogr. R.T.*, 2007, 30(4):533-44.

[Contact]

Address:

Email: info@chemfaces.com

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

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com