



threo-Guaiacylglycerol beta-coniferyl ether Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: threo-Guaiacylglycerol beta-coniferyl ether

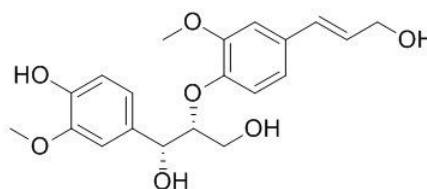
Catalog No.: CFN97431

Cas No.: 869799-76-8

Purity: > 95%

M.F: C₂₀H₂₄O₇

M.W: 376.40



Physical Description: Powder

Synonyms: (1R,2R)-1-(4-Hydroxy-3-methoxyphenyl)-2-[4-[(1E)-3-hydroxy-1-propen-1-yl]-2-methoxyphenoxy]-1,3-propanediol.

[Intended Use]

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

[Source]

The stems of *Clematis armandii*.

[Biological Activity or Inhibitors]

threo-Guaiacylglycerol-beta-coniferyl-aldehyde-ether and erythro-guaiacylglycerol-beta-coniferyl aldehyde ether show cytotoxicity against human colon carcinoma (HCT-116) and human hepatocellular carcinoma (HepG2) cell lines in vitro, with IC50 values ranging from 19.1 to 71.3 microg/mL.^[1]

threo-Guaiacylglycerol- β -coniferyl ether displays significant inhibitory effects on NO production, it may have anti-neuroinflammatory activity.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Chloroform- Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Lee D, Song M, Yoo K M, *et al. Arch. Pharm. Res.*, 2007, 30(4):402-7.

[2] Xiong J, Bui V B, Liu X H, *et al. J. Ethnopharmacol.*, 2014, 153(3):737-43.

[3] Wang Y, Zhang H N, Wang W J, *et al. Chinese Traditional & Herbal Drugs*, 2012, 43(4):649-52.

[Contact]

Address:

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

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Wuhan, Hubei 430056,
China

Web: www.chemfaces.com

Tech Support: service@chemfaces.com