

3-O-(2'E ,4'Z-decadienoyl)-20-deoxyingenol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 3-O-(2'E ,4'Z-decadienoyl)-20-deoxyingenol

Catalog No.: CFN92862

Cas No.: 672941-64-9

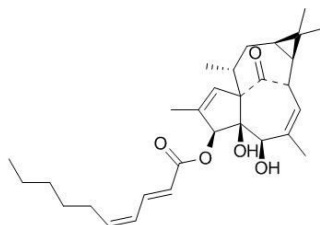
Purity: >=95%

M.F: C₃₀H₄₂O₅

M.W: 482.7

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The roots of *Euphorbia kansui* T. N. Liou ex S. B. Ho.

[Biological Activity or Inhibitors]

3-O-(2'E ,4'Z-decadienoyl)-20-deoxyingenol, one toxic terpenoid from raw Gansui.^[1]

3-O-(2'E,4'Z-decadienoyl)-20-O-acetylingenol has strong cytotoxicity against human normal cell lines L-O2 and GES-1 with dose-dependent relationships.^[2]

3-O-(2'E,4'Z-decadienoyl)-20-O-acetyl-ingenol and 3-O-(2'E,4'E-decadienoyl)-ingenol show cytotoxicity on Namalwa cells with IC 50 values of 7.6 and 5.2 $\mu\text{mol}\cdot\text{L}^{-1}$, respectively.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Petroleum ether- Ethyl acetate, gradient elution ;

Flow rate: 15 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 260 nm.

[Storage]

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

[References]

[1] Shu X, Jiang X W, Cheng B C, *et al. BMC Complem. Altern. M.*, 2016, 16(1):1-8.

[2] Oztürk N, Korkmaz S, Oztürk Y, *et al. Planta Med.*, 2006, 72(4):289-94.

[3] Wang Y B, Li Y Y, Wang H B. *Chinese Journal of Natural Medicines*, 2007, 5(3):1-5.

[4] Zhang L, Gao L, Li Z, *et al. Int .J. Mol. Sci.*, 2011, 13(9):11247-59.

[Contact]

Address:

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

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

China

Tech Support: service@chemfaces.com