

Epifriedelanol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Epifriedelanol

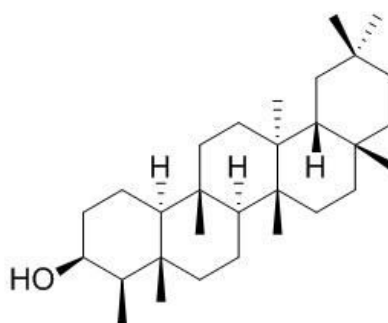
Catalog No.: CFN99806

Cas No.: 16844-71-6

Purity: > 98%

M.F: C₃₀H₅₂O

M.W: 428.7



Physical Description: Cryst.

Synonyms: (3S,4R,4aS,6aS,6bR,8aR,12aR,12bS,14aS,14bS)-4,4a,6b,8a,11,11,12b,14a-octamethyldocosahydricen-3-ol; Longan Triterpane A.

[Intended Use]

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

[Source]

The herbs of *Vitis trifolia*.

[Biological Activity or Inhibitors]

Epifriedelanol can suppress adriamycin-induced cellular senescence as well as replicative senescence in human fibroblasts (HDFs) and human umbilical vein endothelial cells (HUVECs), suggests that epifriedelanol can reduce cellular senescence in human primary cells and may be used to develop dietary supplements or cosmetics that modulate tissue aging or aging-associated diseases.^[1]

Epifriedelanol exhibits significant inhibition of NF-kappa B, it may be used to treat asthma.^[2]

Epifriedelanol has antitumor activity. ^[3]

[Solvent]

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

[HPLC Method]^[4]

HPLC-ELSD:

Mobile phase: Acetonitrile-H₂O=98:2;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

Nebulization temperature: 76 °C;

Flow rate of gas :1.98L/min.

[Storage]

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

[References]

[1] Yang H H, Son J K, Jung B, *et al. Planta Med.*, 2010, 77(5):441-9.

[2] Chen L S, Zheng D S. *Lat. Am. J. Pharm.*, 2015, 34(2):291-5.

[3] Kundu J K, Rouf A S, Hossain M N, *et al. Fitoterapia*, 2000, 71(5):577-9.

[4] Zhang B, Wang Y, Lu J, *et al. Chinese Journal of Pharmaceutical Analysis*, 2003(4):
296-8.

[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