

Lucidenic acid A Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Lucidenic acid A

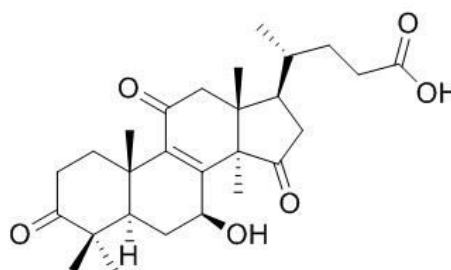
Catalog No.: CFN90547

Cas No.: 95311-94-7

Purity: >=98%

M.F: C₂₇H₃₈O₆

M.W: 458.59



Physical Description: Powder

Synonyms: Chol-8-en-24-oic acid,7-hydroxy-4,4,14-trimethyl-3,11,15-trioxo-, (5a,7b)-.

[Intended Use]

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

[Source]

The fruit body of *Ganoderma lucidum*.

[Biological Activity or Inhibitors]

Lucidenic acid-A and -F are modulators of JNK and p38, respectively, they enhance LPS-induced immune responses in monocytic THP-1 cells possibly via the modulation of p38 and JNK MAPKs activation.^[1]

Lucidenic acids A, B, C, and N (50 microM) in the presence of 200 nM phorbol 12-myristate 13-acetate (PMA) after 24 h of incubation all resulted in significant inhibitory effects on PMA-induced MMP-9 activity and invasion of HepG(2)cells.^[2]

Lucidenic acid A shows significant cytotoxic activity against Hep G2, Hep G2,2,15, and P-388 tumor cells. ^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: 0.8% Acetic acid in water- Acetonitrile,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room temperature

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Watanabe K, Shuto T, Sato M, *et al. Biochem. Biophys. Res. Commun.*,2011 408(1): 18-24.

[2] Weng C J, Chau C F, Chen K D, *et al. Mol. Nutr. Food Res.*, 2007, 51(12):1472-7.

[3] Wu T S, Shi L S, Kuo S C. *J. Nat.Prod.*, 2001, 64(64):1121-2.

[4] Ding P, Liang Y J, Luo J H, *et al. Chinese Pharmaceutical Journal*, 2009, 44(11):822-4.

[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