

Ganolucidic acid A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ganolucidic acid A

Catalog No.: CFN90299

Cas No.: 98665-21-5

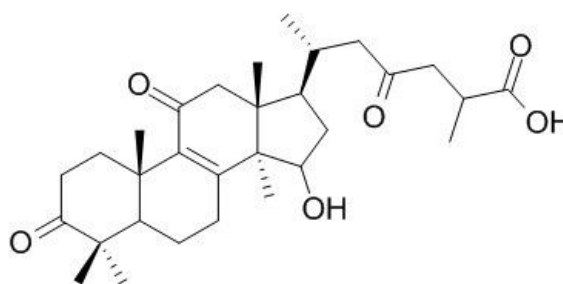
Purity: > 98%

M.F: C₃₀H₄₄O₆

M.W: 500.67

Physical Description: White cryst.

Synonyms: 15-Hydroxy-3,11,23-trioxolanost-8-en-26-oic acid.



[Intended Use]

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

[Source]

The fruiting bodys of *Ganoderma lucidum*.

[Biological Activity or Inhibitors]

Ganolucidic acid A exhibits cytotoxicity, has inhibitory activities against human HeLa cervical cancer cell lines. [1]

Ganolucidic acid A shows significant anti-human immunodeficiency virus (anti-HIV)-1 protease activity with IC50 values of 20-90 microM. [2]

[Solvent]

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

[HPLC Method] [3]

Mobile phase: Acetonitrile- 0.8% Aqueous acetic acid, 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] Cheng C R, Yue Q X, Wu Z Y, *et al. Phytochemistry*, 2010, 71(13):1579-85.

[2] Min B S, Nakamura N, Miyashiro H, *et al. Chem. Pharm .Bull.*, 1998, 46(10):1607-12.

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

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