

Lucialdehyde A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Lucialdehyde A

Catalog No.: CFN90304

Cas No.: 420781-84-6

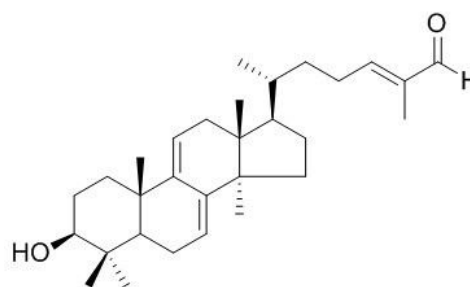
Purity: >= 98%

M.F: C₃₀H₄₆O₂

M.W: 438.69

Physical Description: White cryst.

Synonyms: 3-Hydroxylanosta-7,9(11),24-trien-26-al



[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]

Lucialdehydes A-C (1-3) are new lanostane-type triterpene aldehydes, isolated from the fruiting bodies of *Ganoderma lucidum*, show cytotoxic effects on tumor cells, including Lewis lung carcinoma (LLC), T-47D, Sarcoma 180, and Meth-A tumor cell lines.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol-0.5% Acetic acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 245 nm.

Reference is to analyze the condition of ganoderic acid T.

[Storage]

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

[References]

[1] Gao J J, Min B S, Ahn E M, *et al. Chem. Pharm. Bull.*, 2002, 50(6):837-40.

[2] Zhao N F, Na J, Wei F J, *et al. Sci. Tech. Food Indust.*, 2014, 35(16):71-5.

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