

Ganoderol A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ganoderol A

Catalog No.: CFN99065

Cas No.: 104700-97-2

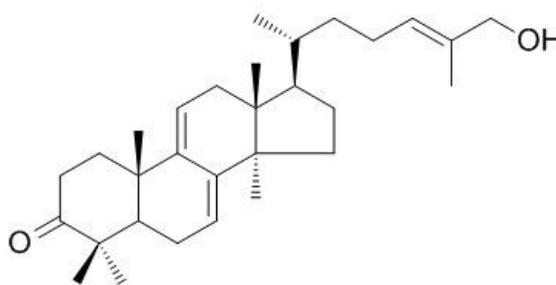
Purity: > 98%

M.F: C₃₀H₄₆O₂

M.W: 438.7

Physical Description: Powder

Synonyms: Gaderol A; Ganodermenonol; 26-Hydroxylanosta-7,9(11),24E-trien-3-one.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Ingredient in supplements, beverages;
6. Intermediates & Fine Chemicals;
7. Others.

[Source]

The fruit body of *Ganoderma lucidum* (Curtis) P. Karst.

[Biological Activity or Inhibitors]

Ganoderol A, isolated from Ganadermalucidum, has significant anti-inflammatory activity and protection against UVA damage, thus suggesting that the compound is a candidate for the development of a suitable product to protect skin from UV-induced photoaging.^[1]

Ganoderols A, the 70% MeOH extract of Ganoderma lucidum, has an inhibitory effect on angiotensin converting enzyme activity.^[2]

Ganoderol A inhibits cholesterol biosynthesis via conversion of acetate or mevalonate as a precursor of cholesterol. ^[3]

Ganoderone A and lucialdehyde B exhibit potent inhibitory activity against herpes simplex virus.^[4]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO.

[HPLC Method]^[5]

Mobile phase: Methanol -H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 20 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Jin F, Zhao H, Yuan X, *et al. Trop. J. Pharm. Res.*, 2015, 14(3):412-21.

[2] Morigiwa A, Kitabatake K, Fujimoto Y, *et al. Chem. Pharm. Bull.*, 1986, 34(7):3025-8.

[3] Hajjaj H, Macé C, Roberts M, *et al. Appl. Environ. Microb.*, 2005, 71(7):3653-8.

[4] Niedermeyer T H, Lindequist U, Mentel R, *et al. Planta Med.*, 2005, 68(12):1728-31.

[5] Zhao J, Zhang X, Li S, *et al. J. Sep. Sci.*, 2006, 29(17):2609-15.

[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