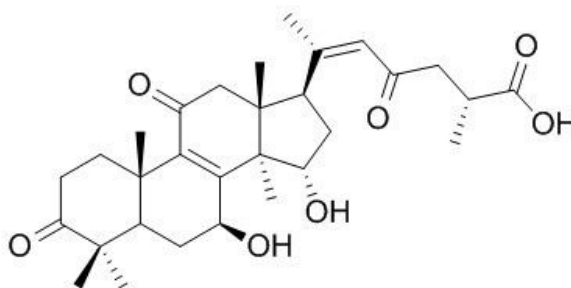


## Ganoderenic acid A Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)**[ Product Information ]****Name:** Ganoderenic acid A**Catalog No.:** CFN92236**Cas No.:** 100665-40-5**Purity:** > 98%**M.F:** C<sub>30</sub>H<sub>42</sub>O<sub>7</sub>**M.W:** 514.7**Physical Description:** Powder

**Synonyms:** (E)-6-[(7S,10S,13R,14R,15S,17R)-7,15-dihydroxy-4,4,10,13,14-pentamethyl-3,11-dioxo-2,5,6,7,12,15,16,17-octahydro-1H-cyclopenta[a]phenanthren-17-yl]-2-methyl-4-oxo-5-heptenoic acid; 7,15-Dihydroxy-3,11,23-trioxolanosta-8,20(22)E-dien-26-oic acid.

**[ Intended Use ]**

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

**[ Source ]**The fruit bodys of *Ganoderma lucidum*.

## **[ Biological Activity or Inhibitors ]**

Ganoderenic acid A, is isolated as the potent inhibitor of beta-glucuronidase, it has a potent hepatoprotective effect against CCl<sub>4</sub>-induced liver injury. <sup>[1]</sup>

Ganoderenic acid A is the CHCl<sub>3</sub> extract of the fruiting body of Ganoderma lucidum, has inhibitory activity on human aldose reductase in vitro.<sup>[2]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Acetonitrile- 0.03% Phosphoric acid H<sub>2</sub>O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 252 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Kim D H, Kim NJJang I S, Shim S B. *Biol. Pharm. Bull.*, 1999, 22(2):162-4.

[2] Fatmawati S, Shimizu K, Kondo R. *Planta Med.*, 2010, 76(15):1691-3.

[3] Zhao J, Chen X, Kaishun B I. *China Journal of Chinese Materia Medica*, 2009, 34(17):2220-2.

## **[ Contact ]**

### **Address:**

S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

China

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)