

## Ganoderic acid AM1 Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Ganoderic acid AM1

**Catalog No.:** CFN90296

**Cas No.:** 149507-55-1

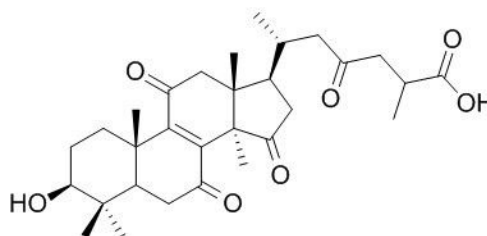
**Purity:** > 98%

**M.F:** C<sub>30</sub>H<sub>42</sub>O<sub>7</sub>

**M.W:** 514.66

**Physical Description:** White cryst.

**Synonyms:** 3-Hydroxy-7,11,15,23-tetraoxolanost-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 ]

Ganoderenic acid AM1, isolated from *Ganoderma lucidum*, has anti-cancer properties.<sup>[1]</sup>

Ganoderenic acid AM1 exhibits hepatoprotective activities against DL-galactosamine-induced cell damage in HL-7702 cells.<sup>[2]</sup>

Ganoderenic acid AM1 may exert their cytotoxicity by altering proteins involved in and/or , carcinogenesis, oxidative stress, calcium signaling and stress.<sup>[3]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Methanol- H<sub>2</sub>O. 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] Wu G S, Guo J J, Bao J L, *et al. Expert Opin Inv Drug*, 2013, 22(8):981-92.

[2] Liu L Y, Hui C, Chao L, *et al. Fitoterapia*, 2014, 98:254-9.

[3] Yue Q X, Song X Y, Ma C, *et al. Phytomed. Int. J. Phytother. Phytopharmacol.*, 2010, 17(8-9):606-13.

## **[ 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)