

## Ganoderenic acid D Datasheet

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

### [ Product Information ]

**Name:** Ganoderenic acid D

**Catalog No.:** CFN90300

**Cas No.:** 100665-43-8

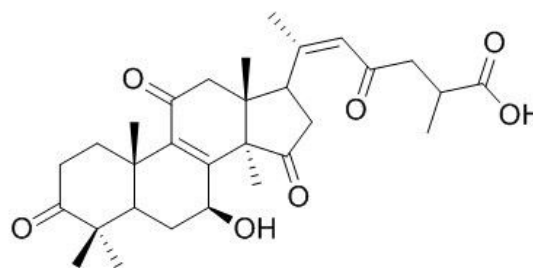
**Purity:** > 98%

**M.F:** C<sub>30</sub>H<sub>40</sub>O<sub>7</sub>

**M.W:** 512.64

**Physical Description:** White cryst.

**Synonyms:** 7beta-Hydroxy-3,11,15,23-tetraoxolanosta-8,20(22)-dien-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 D has cytotoxic with IC50 values of 0.14±0.01, 0.18±0.02 and 0.26±0.03mg/mL in Hep G2, Hela and Caco-2 cells, respectively. [1]

## **[ Solvent ]**

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

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

Mobile phase: Acetonitrile-0.2% Acetic acid H2O, gradient elution;

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 252 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Ruan W, Lim A H, Huang L G, *et al. Nat. Prod. Res.*, 2014, 28(24):2264-72.

[2] Chen D H, Kuan W, Chen D. *J. Food Drug Anal.*, 2003, 11(3): 195-200,.

## **[ Contact ]**

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