

## Lucidal Datasheet

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

### [ Product Information ]

**Name:** Lucidal

**Catalog No.:** CFN92234

**Cas No.:** 252351-96-5

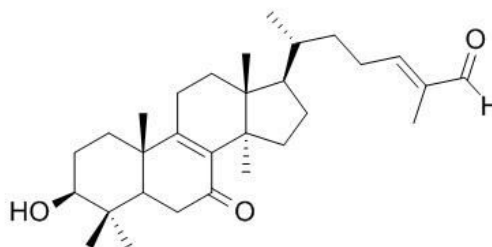
**Purity:** > 95%

**M.F:** C<sub>30</sub>H<sub>46</sub>O<sub>3</sub>

**M.W:** 454.7

**Physical Description:** Powder

**Synonyms:** (3beta,24E)-3-Hydroxy-7-oxo-lanosta-8,24-dien-26-al;Lucialdehyde C.



### [ Intended Use ]

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

### [ Source ]

The fruit body of *Ganoderma lucidum*.

### [ Biological Activity or Inhibitors ]

Lucialdehyde C (Lucidal) exhibits potent cytotoxicity against LLC, T-47D, Sarcoma 180,

and Meth-A tumor cells with ED(50) values of 10.7, 4.7, 7.1, and 3.8 microg/ml, respectively.<sup>[1]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]<sup>[1]</sup>**

Mobile phase: 2% Acetic acid in water- Acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 242 nm.

### **[ 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. Cheminform*, 2010, 33(48):837-40.

### **[ Contact ]**

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