

## Ganoderic acid S Datasheet

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

### [ Product Information ]

**Name:** Ganoderic acid S

**Catalog No.:** CFN99066

**Cas No.:** 104759-35-5

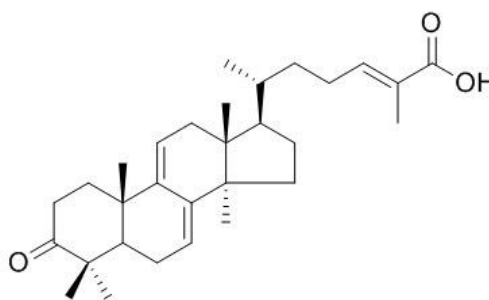
**Purity:** > 98%

**M.F:** C<sub>30</sub>H<sub>44</sub>O<sub>3</sub>

**M.W:** 452.7

**Physical Description:** Powder

**Synonyms:** 3-Oxolanosta-7,9(11),24E-trien-26-oic acid; Tyromycic acid.



### [ 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 ]

Ganoderic acid S and Mf induce mitochondria mediated apoptosis in human cervical

carcinoma HeLa cells.<sup>[1]</sup>

A novel combination of triterpenoids includes at least ganoderic acid S (GAS), ganoderic acid T (GAT), ganoderic acid Me (GAME), ganoderic acid R (GAR), and ganodermic acid S (GMAS), the composition is suitable for the treatment or prophylaxis of colon cancer, hepatic cancer, breast cancer, lung cancer or leukemia.<sup>[2]</sup>

## **[ Solvent ]**

Chloroform, Dichloromethane, Ethyl Acetate, DMSO.

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

Mobile phase: 0.5% Acetic acid- Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 245 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Liu R M, Zhong J J. *Phytomedicine* 18 (2011) 349-55.

[2] Lin S B, Huang C P, Chen T H. *US20140294753[P]*. 2014.

[3] Zhao N, Feng N, Jia W, *et al.* *Sci. Technol. Food Indust.*, 2014, 35(16):71-5.

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