

Ganoderic acid D Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ganoderic acid D

Catalog No.: CFN90292

Cas No.: 108340-60-9

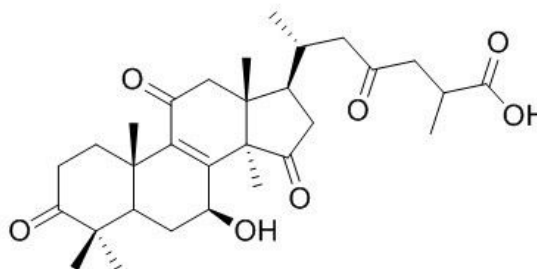
Purity: > 98%

M.F: C₃₀H₄₀O₇

M.W: 512.63

Physical Description: White cryst.

Synonyms:



[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]

Ganoderic acid D (GD) is the major active triterpenoid in *Ganoderma lucidum*, a medicinal fungus used daily; biliary rather than renal clearance was the major route of excretion, the metabolic transformation included reduction, monohydroxylation, dihydroxylation, trihydroxylation, oxidation, desaturation, sulfation, and glucuronidation; the main metabolic soft spots in the chemical structure of GD were the 3-carbonyl group, angular methyl groups, the 7-hydroxy group, and the 26-carboxylic acid moiety.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile- 0.03% Phosphoric acid H₂O, 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] Cheng C, Yang M, Yu K, *et al. Drug Metab. Dispos.* , 2012, 40(12):2307-14.

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

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