

Ganoderic acid F Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ganoderic acid F

Catalog No.: CFN92055

Cas No.: 98665-14-6

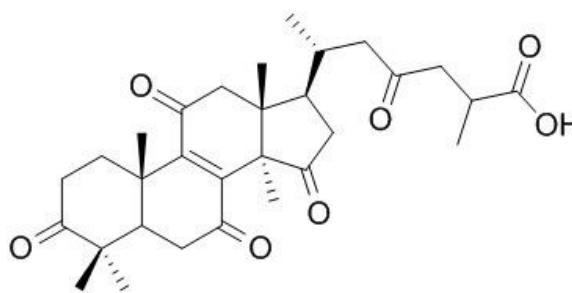
Purity: > 95%

M.F: C₃₀H₄₀O₇

M.W: 512.6

Physical Description: Powder

Synonyms: 3,7,11,15,23-Pentaoxolanost-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]

Ganoderic acid, from *Ganoderma lucidum*, has anti-hepatitis B activities, at 8 ug/ml inhibits replication of hepatitis B virus (HBV) in HepG2215 cells over 8 days, it also significantly protects the mice from liver injury induced by *M. bovis* BCG plus lipopolysaccharide (from *Escherichia coli* 0127:B8).^[1]

Ganoderic acid extract has the neuroprotective potential against magnesium-free induced epilepsy in primary hippocampal neurons. ^[2]

Ganoderic acid F exhibits the highest effect to lower and normalizes the blood pressure.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Acetonitrile- 0.04% Formic acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 15 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Li Y Q, Wang S F. *Biotechnol. Lett.*, 2006, 28(11):837-41.

[2] Liu J X, Liu X G, Wang L, et al. *Research Opinions in Animal & Veterinary Sciences*, 2013:420-5.

[3] Galland M L. *Supremefoods.hpage.co.in*.

[4] Li B L, Liu C, Wang H Q, et al. *Journal of Pharmaceutical Analysis*, 2009 (09): 1514-7.

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