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Ganoderic acid C2 Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ganoderic acid C2

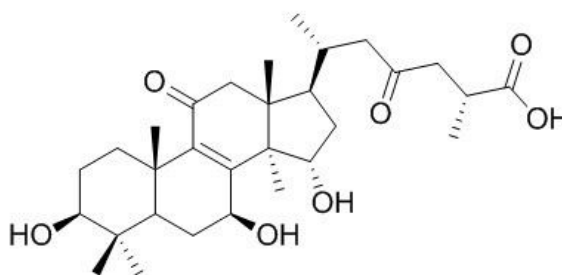**Catalog No.:** CFN92054

Cas No.: 103773-62-2

Purity: > 95%

M.F: $C_{30}H_{46}O_7$

M.W: 518.7

Physical Description: Powder

Synonyms: 3,7,15-Trihydroxy-11,23-dioxolanost-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 C2, isolated from the spores, has cytotoxicity in vitro against Meth-A and LLC cell lines.[1]

CHCl(3) extract of the fruiting body of Ganoderma lucidum was found to show inhibitory activity on human aldose reductase in vitro, and ganoderic acid C2 and ganoderenic acid A is essential in eliciting the inhibitory activity considering the much lower activity of their methyl esters.[2]

Ganoderenic acid C2 exhibits hepatoprotective activities against DL-galactosamine -induced cell damage in HL-7702 cells. [3]

[Solvent]

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

[HPLC Method][4]

Mobile phase: Acetonitrile- 0.03%H_3PO_4, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 35 ℃;

The wave length of determination: 252 nm.

[Storage]

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

[References]

[1] Min B S, Gao J J, Nakamura N, *et al. Cheminform, 2000, 31(50):1026-33.*

[2] Fatmawati S, Shimizu K, Kondo R.*Planta Med., 2010, 76(15):1691-3.*

[3] Liu L Y, Hui C, Chao L, *et al. Fitoterapia, 2014, 98:254-9.*

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

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