

Product Data Sheet

Product Name: Ganoderic acid C2

Cat. No.: GC36117

Chemical Properties

Cas. No. 103773-62-2

SMILES CC1(C)[C@@H](O)CC[C@]2(C)C3=C([C@@]4([C@@H](O)C[C@@H]([C@]4(CC3=O)C)[C@H](C)CC(C[C@@H](C)C(O)=O)=O)C)[C@@H](O)C[C@@]12[H]

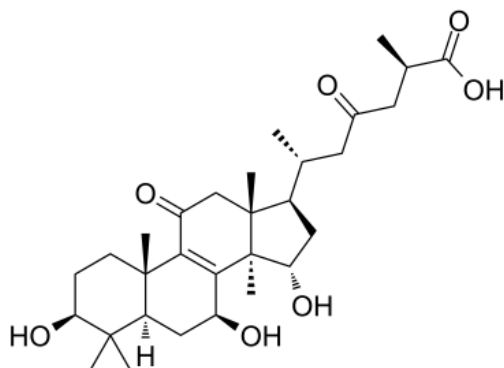
Formula $C_{30}H_{46}O_7$ M.Wt 518.68

Solubility Methanol: soluble Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Ganoderic acid C2 is a bioactive triterpenoid in *Ganoderma lucidum*. Ganoderic acid C2 possesses the potential anti-tumor bioactivity, antihistamine, anti-aging and cytotoxic effects. Ganoderic acid C2 exhibits high inhibitory activity against the rat lens aldose reductase (RLAR) with an IC₅₀ of 3.8 μM [1] [2]. IC₅₀: 3.8 μM (RLAR) [2]

[1]. Guo XY, et al. I characterization of minor metabolites and pharmacokinetics of ganoderic acid C2

Caution: Product has not been fully validated for medical applications. For research use only.

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in rat plasma by HPLC coupled with electrospray ionization tandem mass spectrometry. J Pharm Biomed Anal. 2013 Mar 5;75:64-73. [2]. Fatmawati S, et al. Inhibition of aldose reductase in vitro by constituents of Ganoderma lucidum. Planta Med. 2010 Oct;76(15):1691-3.

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