

Ganoderenic acid A

Chemical Properties

CAS No. : 100665-40-5

Formula: C₃₀H₄₂O₇

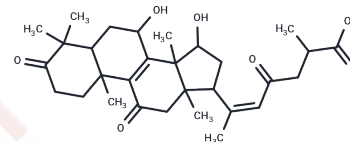
Molecular Weight: 514.65

Storage:

Store at low temperature, Keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ganoderenic acid A has a potent hepatoprotective, and cytotoxic effects, it shows inhibitory activity on human aldose reductase in vitro.
Targets(IC50)	Others
In vitro	From the acidic fraction, potent human aldose reductase inhibitors, ganoderic acid C2 (1) and Ganoderenic acid A (2), were isolated together with three related compounds.

Solubility Information

Solubility	DMSO: 55 mg/mL (106.87 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.89 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9431 mL	9.7153 mL	19.4307 mL
5 mM	0.3886 mL	1.9431 mL	3.8861 mL
10 mM	0.1943 mL	0.9715 mL	1.9431 mL
50 mM	0.0389 mL	0.1943 mL	0.3886 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Inhibition of aldose reductase in vitro by constituents of *Ganoderma lucidum*. *Planta Med.* 2010 Oct;76(15):1691-3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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