

Ganoderic acid D

Chemical Properties

CAS No. : 108340-60-9

Formula: C₃₀H₄₂O₇

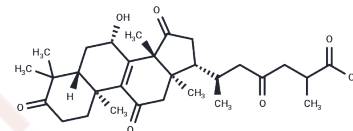
Molecular Weight: 514.65

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	1. Ganoderic acid D is one of the major components in Ganoderma triterpenes. 2. Ganoderic acid D treatment for 48h inhibits the proliferation of HeLa human cervical carcinoma cells with an IC(5) value of 17.3 +/- .3 microM.
Targets(IC50)	Apoptosis, Sirtuin

Solubility Information

Solubility	DMSO: 10 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

Yue Q X , Cao Z W , Guan S H , et al. Proteomics Characterization of the Cytotoxicity Mechanism of Ganoderic Acid D and Computer-automated Estimation of the Possible Drug Target Network[J]. Molecular & Cellular Proteomics, 2008, 7(5):949-961.

Shao C S, Zhou X H, Zheng X X, et al. Ganoderic acid D induces synergistic autophagic cell death except for apoptosis in ESCC cells. Journal of Ethnopharmacology. 2020, 262: 113213.

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