

Ganoderic acid B

Chemical Properties

CAS No. : 81907-61-1

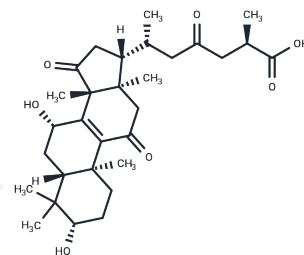
Formula: C₃₀H₄₄O₇

Molecular Weight: 516.67

Store at low temperature

Storage: 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	Ganoderic acid B is a chemical marker in quality control of <i>G. lucidum</i> and related products. Ganoderic acid B acts as a telomerase inhibitor to inhibit the activation of Epstein-Barr virus (EBV) antigens. Ganoderic acid B is a moderate inhibitor of HIV-1 protease.
Targets(IC50)	HIV Protease,STAT,Antifection,IL Receptor,JAK

Solubility Information

Solubility	DMSO: 45 mg/mL (87.1 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9355 mL	9.6774 mL	19.3547 mL
5 mM	0.3871 mL	1.9355 mL	3.8709 mL
10 mM	0.1935 mL	0.9677 mL	1.9355 mL
50 mM	0.0387 mL	0.1935 mL	0.3871 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

Zheng DS, et al. Triterpenoids from Ganoderma lucidum inhibit the activation of EBV antigens as telomerase inhibitors. *Exp Ther Med*. 2017 Oct;14(4):3273-3278.

Zhou S, et al. Triterpenes and Soluble Polysaccharide Changes in Lingzhi or Reishi Medicinal Mushroom, Ganoderma lucidum (Agaricomycetes), During Fruiting Growth. *Int J Med Mushrooms*. 2018;20(9):859-871.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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