

## Ganoderic acid F

## Chemical Properties

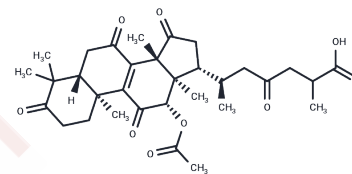
CAS No. : 98665-15-7

Formula: C<sub>32</sub>H<sub>42</sub>O<sub>9</sub>

Molecular Weight: 570.67

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 F inhibits the proliferation of HeLa human cervical carcinoma cells with IC(50) values of 19.5+/-0.6 microM.
Targets(IC50)	Others
In vitro	Ganoderic acid F exhibits antitumor and antimetastatic activities through inhibition of angiogenesis and alteration of proteins involving cell proliferation and/or cell death, carcinogenesis, oxidative stress, calcium signaling, and endoplasmic reticulum stress. Ganoderic acid F is a ganoderic acid.

## Solubility Information

Solubility	DMSO: 100 mg/mL (175.23 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: 3.3 mg/mL (5.78 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

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	1mg	5mg	10mg
1 mM	1.7523 mL	8.7616 mL	17.5233 mL
5 mM	0.3505 mL	1.7523 mL	3.5047 mL
10 mM	0.1752 mL	0.8762 mL	1.7523 mL
50 mM	0.035 mL	0.1752 mL	0.3505 mL

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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 QX, et al. Effects of triterpenes from *Ganoderma lucidum* on protein expression profile of HeLa cells. *Phytomedicine*. 2010 Jul;17(8-9):606-13.

Teekachunhatean S, et al. Pharmacokinetics of ganoderic acids a and f after oral administration of ling zhi preparation in healthy male volunteers. *Evid Based Complement Alternat Med*. 2012;2012:780892.

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