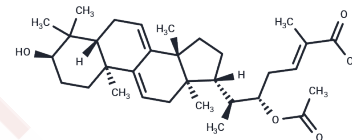


Ganoderic acid S

Chemical Properties

CAS No. :	103963-38-8
Formula:	C ₃₂ H ₄₈ O ₅
Molecular Weight:	512.72
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 S, a positional isomer of ganoderic acids, can be isolated from the fermented mycelia of Ganoderma lucidum. It can induce apoptosis in HeLa cells through the mitochondria pathway [1].
Targets(IC50)	Apoptosis
In vitro	Ganoderic acid S at concentrations of 0, 39.1, and 97.7 μM over 12 hours causes cell cycle arrest in the S phase in HeLa cells. It induces a dose-dependent collapse of mitochondrial membrane potential and promotes significant release of cytochrome c from mitochondria into the cytosol of HeLa cells. [1] Cell Cycle Analysis [1] Cell Line: HeLa cells Concentration: 0, 39.1, 97.7 μM Incubation Time: 12 h Result: Caused cell cycle arrest in the S phase.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9504 mL	9.7519 mL	19.5038 mL
5 mM	0.3901 mL	1.9504 mL	3.9008 mL
10 mM	0.195 mL	0.9752 mL	1.9504 mL
50 mM	0.039 mL	0.195 mL	0.3901 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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