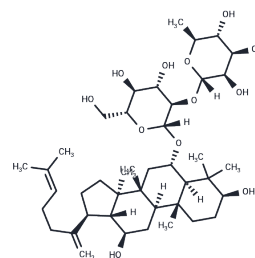


Ginsenoside Rg6

Chemical Properties

CAS No. :	147419-93-0
Formula:	C42H70O12
Molecular Weight:	767
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Ginsenoside Rg6 inhibits the proliferation and induces apoptosis of human lymphoma JK cells
Targets(IC50)	Apoptosis,NF-κB
In vitro	Ginsenoside Rg6 may inhibit the proliferation and induce apoptosis of human lymphoma JK cells through mitochondrial dysfunction and increased Bax expression and decreased Bcl-2 expression. In addition, ginsenoside Rg6 can also inhibit the transcriptional activity of NF-κB induced by TNF-α in SK-Hep1 cells with IC50 of 25uM.

Solubility Information

Solubility	DMSO: 100 mg/mL (130.38 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: 4 mg/mL (5.22 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	1.3038 mL	6.5189 mL	13.0378 mL
5 mM	0.2608 mL	1.3038 mL	2.6076 mL
10 mM	0.1304 mL	0.6519 mL	1.3038 mL
50 mM	0.0261 mL	0.1304 mL	0.2608 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

Cho K, et al. Inhibition of TNF- α -Mediated NF- κ B Transcriptional Activity by Dammarane-Type Ginsenosides from Steamed Flower Buds of Panax ginseng in HepG2 and SK-Hep1 Cells. *Biomol Ther (Seoul)*. 2014 Jan;22(1):55-61.
Chen B, et al. Apoptosis-inducing effect of ginsenoside Rg6 on human lymphocytoma JK cells. *Molecules*. 2013 Jul 9;18(7):8109-19.

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