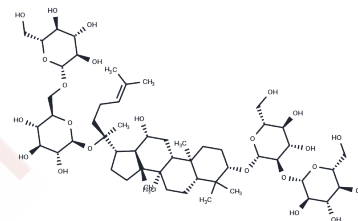


Ginsenoside Rb1

Chemical Properties

CAS No. :	41753-43-9
Formula:	C ₅₄ H ₉₂ O ₂₃
Molecular Weight:	1109.29
Storage:	Keep away from direct sunlight 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 Rb1 (Gypenoside III) is part of a class of steroid glycosides; may have properties that inhibit or prevent the growth of tumors.
Targets(IC50)	ATPase, Mitophagy, NF-κB, Autophagy, HSV, IRAK

Solubility Information

Solubility	DMSO: 145 mg/mL (130.71 mM), Sonication is recommended. H ₂ O: 100 mg/mL (90.15 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 (3.61 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	0.9015 mL	4.5074 mL	9.0148 mL
5 mM	0.1803 mL	0.9015 mL	1.803 mL
10 mM	0.0901 mL	0.4507 mL	0.9015 mL
50 mM	0.018 mL	0.0901 mL	0.1803 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

Zhang XJ, et al. Vascul Pharmacol. 2015 Oct;73:86-95.

Chen Z, Ni R, Hu Y, et al. A natural protopanaxatriol from Panax notoginseng enhances osteosarcoma sensitivity to ferroptosis via ASCL4 upregulation. Journal of Functional Foods. 2024, 122: 106488.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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