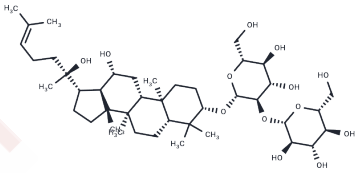
Data Sheet (Cat.No.T3402)

TargetMol

20(S)-Ginsenoside Rg3

Chemical Properties



CAS No. : 14197-60-5

Formula: C42H72O13

Molecular Weight: 785.01

Storage: Keep away from moisture,Keep away from direct sunlight
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	20(S)-Ginsenoside Rg3 (Rg3) possess an ability to inhibit the lung metastasis of tumor cells via inhibition of the adhesion and invasion of tumor cells. It inhibits the proliferation of human umbilical vein endothelial cells(HUVEC) and has anti-angiogenesis activities.
Targets(IC50)	EGFR,Beta Amyloid,NF-κB,Endogenous Metabolite,COX,Potassium Channel,Sodium Channel

Solubility Information

Solubility	DMSO: 100 mg/mL (127.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	5% DMSO+40% PEG300+5% Tween-80+50% Saline: 2.5 mg/mL (3.18 mM),Solution. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2739 mL	6.3693 mL	12.7387 mL
5 mM	0.2548 mL	1.2739 mL	2.5477 mL
10 mM	0.1274 mL	0.6369 mL	1.2739 mL
50 mM	0.0255 mL	0.1274 mL	0.2548 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

Joo EJ, et al. Chem Biol Interact. 2015 May 25;233:25-34.
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.
Cheong JH, et al. Biol Pharm Bull. 2015;38(1):102-8.
Wang L, et al. Mol Med Rep. 2015 Jul;12(1):609-14.
Wang Y, et al. Mol Med Rep. 2015 Jun;11(6):4518-24.

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