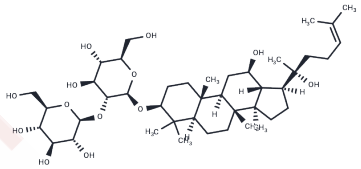
Data Sheet (Cat.No.T3812)

TargetMol

(20R)-Ginsenoside Rg3

Chemical Properties



CAS No. : 38243-03-7

Formula: C42H72O13

Molecular Weight: 785.01

Storage: Keep away from direct sunlight,Store at low temperature
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	(20R)-Ginsenoside Rg3 (20(R)-Propanaxadiol) is a compound with anti-aging and antifatigue activities.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 125 mg/mL (159.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (3.18 mM),Sonication is recommended. *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

Bae EA,et al. Metabolism of 20(S)- and 20(R)-ginsenoside Rg3 by human intestinal bacteria and its relation to in vitro biological activities. Biol Pharm Bull. 2002 Jan;25(1):58-63.

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.

Tang W,et al. The anti-fatigue effect of 20(R)-ginsenoside Rg3 in mice by intranasally administration. Biol Pharm Bull. 2008 Nov;31(11):2024-7.

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