

Ginsenoside Rd

Chemical Properties

CAS No. : 52705-93-8

Formula: C₄₈H₈₂O₁₈

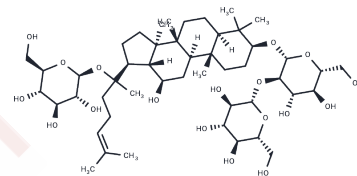
Molecular Weight: 947.15

Storage:

Keep away from direct sunlight, Keep away from moisture, 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	Ginsenoside Rd (Gypenoside VIII) may have properties that inhibit or prevent the growth of tumors.
Targets(IC50)	Calcium Channel, NF-κB, Endogenous Metabolite, COX, Cytochromes P450

Solubility Information

Solubility	DMSO: 50 mg/mL (52.79 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: 2 mg/mL (2.11 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	1.0558 mL	5.279 mL	10.558 mL
5 mM	0.2112 mL	1.0558 mL	2.1116 mL
10 mM	0.1056 mL	0.5279 mL	1.0558 mL
50 mM	0.0211 mL	0.1056 mL	0.2112 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

Wang B, et al. Neural Regen Res. 2014 Sep 15;9(18):1678-87.

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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