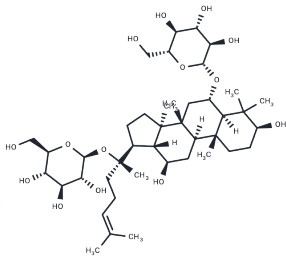


Ginsenoside Rg1

Chemical Properties

CAS No. : 22427-39-0
Formula: C42H72O14
Molecular Weight: 801.01
Appearance: no data available
Storage: store at low temperature,keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Ginsenoside Rg1 (Panaxoside Rg1) is a class of steroid glycosides, and triterpene saponins found exclusively in the plant genus Panax (ginseng). It improves spatial learning and increase hippocampal synaptophysin level in mice, plus demonstrates estrogen-like activity.
Targets(IC50)	Apoptosis,Beta Amyloid,NF-κB

Solubility Information

Solubility	DMSO: 50 mg/mL (62.42 mM),Sonication is recommended. H2O: 20 mg/mL (25 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2484 mL	6.2421 mL	12.4842 mL
5 mM	0.2497 mL	1.2484 mL	2.4968 mL
10 mM	0.1248 mL	0.6242 mL	1.2484 mL
50 mM	0.025 mL	0.1248 mL	0.2497 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.

Reference

Kwok HH, et al. Toxicol Appl Pharmacol. 2015 Sep 15;287(3):276-83.
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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