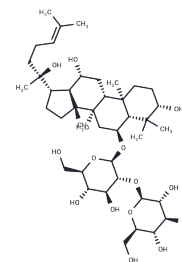


Ginsenoside Rf

Chemical Properties

CAS No. :	52286-58-5
Formula:	C42H72O14
Molecular Weight:	801.01
Storage:	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 Rf (Panaxoside Rf) is a trace component of ginseng root. Ginsenoside Rf inhibits N-type Ca ²⁺ channel.
Targets(IC50)	Calcium Channel,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 100 mg/mL (124.84 mM),Sonication is recommended. Ethanol: 5 mg/mL (6.24 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 (4.99 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	1.2484 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.

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

Nah SY, et al. A trace component of ginseng that inhibits Ca

Mogil JS, et al. Ginsenoside Rf, a trace component of ginseng root, produces antinociception in mice. Brain Res. 1998 May 11;792(2):218-28.

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