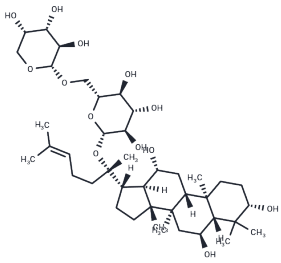
Data Sheet (Cat.No.T3829)

TargetMol

Ginsenoside F3

Chemical Properties



CAS No. : 62025-50-7

Formula: C41H70O13

Molecular Weight: 770.99

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	Ginsenoside-F3 has immunoenhancing activity by regulating production and gene expression of type 1, type 2 cytokines in murine spleen cells. Ginsenoside-F3 enhances the NF-kappaB DNA binding activity induced by ConA in murine spleen cells (10 μM).
Targets(IC50)	IFNAR,Interleukin

Solubility Information

Solubility	Ethanol: Soluble, Pyridine, Methanol, etc.: Soluble, DMSO: 250 mg/mL (324.26 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 (2.59 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	1.297 mL	6.4852 mL	12.9703 mL
5 mM	0.2594 mL	1.297 mL	2.5941 mL
10 mM	0.1297 mL	0.6485 mL	1.297 mL
50 mM	0.0259 mL	0.1297 mL	0.2594 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

Yu JL., et al. Immunoenhancing activity of protopanaxatriol-type ginsenoside-F3 in murine spleen cells. Acta Pharmacol Sin. 2004 Dec;25(12):1671-6.
Li T, Lu D, Yao C, et al. Kansl1 haploinsufficiency impairs autophagosome-lysosome fusion and links autophagic dysfunction with Koolen-de Vries syndrome in mice. Nature Communications. 2022, 13(1): 1-16.
Yoshizaki K., et al. Four new triterpenoid saponins from the leaves of Panax japonicus grown in southern Miyazaki Prefecture (4). Chem Pharm Bull (Tokyo). 2013;61(3):273-8.