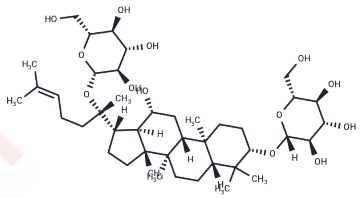
Data Sheet (Cat.No.T3916)

TargetMol

Ginsenoside F2

Chemical Properties



CAS No. : 62025-49-4

Formula: C42H72O13

Molecular Weight: 785.01

Appearance: no data available

Storage: store at low temperature,keep away from moisture, keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Ginsenoside F2 has antiproliferative activity against breast cancer stem cells (CSCs). It induces apoptosis in breast CSCs by activating the intrinsic apoptotic pathway and mitochondrial dysfunction.
Targets(IC50)	Apoptosis,Endogenous Metabolite,Autophagy

Solubility Information

Solubility	DMSO: 55 mg/mL (70.06 mM),Sonication is recommended. H2O: 2.08 mg/ml (2.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

Reference

Siraj FM1, SathishKumar N, Kim YJ, Kim SY, Yang DC.Ginsenoside F2 possesses anti-obesity activity via binding with PPARγ and inhibiting adipocyte differentiation in the 3T3-L1 cell line.J Enzyme Inhib Med Chem. 2015 Feb;30(1):9-14.

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.

Shin HS1, Park SY, Hwang ES, et al.Ginsenoside F2 reduces hair loss by controlling apoptosis through the sterol regulatory element-binding protein cleavage activating protein and transforming growth factor-β pathways in a dihydrotestosterone-induced mouse model.Biol Pharm Bull. 2014;37(5):755-63.