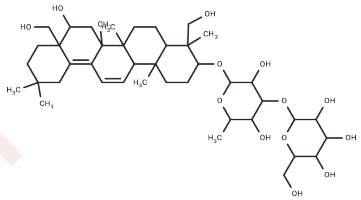
Data Sheet (Cat.No.T3912)

TargetMol

Saikosaponin B1

Chemical Properties



CAS No. : 58558-08-0

Formula: C42H68O13

Molecular Weight: 780.98

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	Saponin activator. Activates release of Prostaglandin E2 in vitro. Anti-inflammatory agent. Orally active. Active in vivo and in vitro.
Targets(IC50)	Others,Hedgehog/Smoothened,STAT,Interleukin,Smo,TNF

Solubility Information

Solubility	DMSO: 50 mg/mL (64.02 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: 10 mg/mL (12.8 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	1.2804 mL	6.4022 mL	12.8044 mL
5 mM	0.2561 mL	1.2804 mL	2.5609 mL
10 mM	0.128 mL	0.6402 mL	1.2804 mL
50 mM	0.0256 mL	0.128 mL	0.2561 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

Kyo R., et al. Antagonism of saikosaponin-induced prostaglandin E2 release by baicalein in C6 rat glioma cells. Biol Pharm Bull 22:1385-7 (1999).
Kida H., et al. Metabolism and pharmacokinetics of orally administered saikosaponin b1 in conventional, germ-free and Eubacterium sp. A-44-infected gnotobiote rats. Biol Pharm Bull 21:588-93 (1998).
Nishiyama T., et al. A distinct characteristic of the quiescent state of human dermal fibroblasts in contracted collagen gel as revealed by no response to epidermal growth factor alone, but a positive growth response to a combination of the growth factor and saikosaponin b1. Matrix 10:412-9 (1990).

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