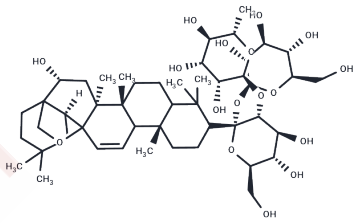
Data Sheet (Cat.No.T3914)

TargetMol

Saikosaponin C

Chemical Properties



CAS No. : 20736-08-7

Formula: C48H78O17

Molecular Weight: 927.12

Storage: Keep away from direct sunlight,Keep away from moisture
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	Saikosaponin C efficiently inhibited LPS-induced apoptotic cell death via inhibition of caspase-3 activation and caspase-3-mediated-FAK degradation.
Targets(IC50)	Beta Amyloid,Caspase

Solubility Information

Solubility	DMSO: 250 mg/mL (269.65 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 (2.16 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	1.0786 mL	5.393 mL	10.7861 mL
5 mM	0.2157 mL	1.0786 mL	2.1572 mL
10 mM	0.1079 mL	0.5393 mL	1.0786 mL
50 mM	0.0216 mL	0.1079 mL	0.2157 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

Lee TH1, Chang J2, Kim BM3. Saikosaponin C inhibits lipopolysaccharide-induced apoptosis by suppressing caspase-3 activation and subsequent degradation of focal adhesion kinase in human umbilical vein endothelial cells.Biochem Biophys Res Commun. 2014 Mar 14;445(3):615-21.

Yu KU1, Jang IS, Kang KH, Sung CK, Kim DH.Metabolism of saikosaponin c and naringin by human intestinal bacteria.Arch Pharm Res. 1997 Oct;20(5):420-4.

Shyu KG1, Tsai SC, Wang BW, Liu YC, Lee CC.Saikosaponin C induces endothelial cells growth, migration and capillary tube formation.Life Sci. 2004 Dec 31;76(7):813-26.

Chiang LC1, Ng LT, Liu LT, Shieh DE, Lin CC.Cytotoxicity and anti-hepatitis B virus activities of saikosaponins from Bupleurum species.Planta Med. 2003 Aug;69(8):705-9.

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