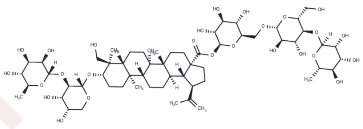
Data Sheet (Cat.No.T3910)

TargetMol

Pulchinenoside C

Chemical Properties



CAS No. : 129741-57-7

Formula: C59H96O26

Molecular Weight: 1221.38

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	Pulchinenoside C (Anemoside B4) is an abundant triterpenoid saponin isolated from P. chinensis, exhibiting significant anti-inflammatory and antioxidant properties.
Targets(IC50)	IL Receptor

Solubility Information

Solubility	DMSO: 38.46 mg/mL (31.49 mM),Sonication is recommended. H2O: 50 mg/mL (40.94 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 (1.64 mM),Sonication is recommended. 5% DMSO + 95% PBS: 6.25 mg/mL (5.12 mM),Solution. *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	0.8187 mL	4.0937 mL	8.1875 mL
5 mM	0.1637 mL	0.8187 mL	1.6375 mL
10 mM	0.0819 mL	0.4094 mL	0.8187 mL
50 mM	0.0164 mL	0.0819 mL	0.1637 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

Hu Y1, He K1, Wang X1. Role of Chinese herbal medicinal ingredients in secretion of cytokines by PCV2-induced endothelial cells.J Immunotoxicol. 2016;13(2):141-7.
Xu H1, Ji X, Shi X, Du Y, Zhu H, Zhang L.Development of a novel method for triterpenoidal saponins in rat plasma by solid-phase extraction and high-performance liquid chromatography tandem mass spectrometry.Anal Biochem. 2011 Dec 15;419(2):323-32.
Liu M1, Zhao X, Xiao L, Liu G,et al.Cytotoxicity of the compounds isolated from Pulsatilla chinensis saponins and apoptosis induced by 23-hydroxybetulinic acid.Pharm Biol. 2015 Jan;53(1):1-9.