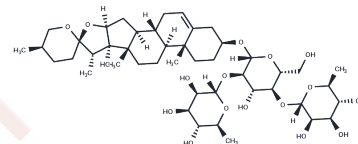


Pennogenin 3-O-beta-chacotrioside

Chemical Properties

CAS No. :	55916-52-4
Formula:	C45H72O17
Molecular Weight:	885.04
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Pennogenin 3-O-beta-chacotrioside, isolated from *Paris polyphylla*, exhibits anti-colorectal cancer activity by modulating autophagy through increased expression of autophagy-related proteins LC3 and Beclin-1.
Targets(IC50)	Autophagy,ATG

Solubility Information

Solubility	DMSO: 140 mg/mL (158.18 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 (11.3 mM),Solution. 10% DMSO+90% Saline: < 10 mg/mL (11.3 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1299 mL	5.6495 mL	11.2989 mL
5 mM	0.226 mL	1.1299 mL	2.2598 mL
10 mM	0.113 mL	0.5649 mL	1.1299 mL
50 mM	0.0226 mL	0.113 mL	0.226 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

Lin LT, et al. Paris Polyphylla Inhibits Colorectal Cancer Cells via Inducing Autophagy and Enhancing the Efficacy of Chemotherapeutic Drug Doxorubicin. *Molecules*. 2019 Jun 3;24(11).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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