

Lanatoside C

Chemical Properties

CAS No. : 17575-22-3

Formula: C₄₉H₇₆O₂₀

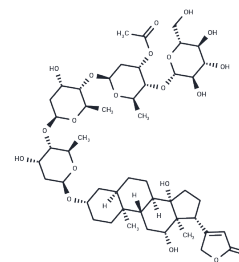
Molecular Weight: 985.12

Storage:

Store at low temperature, Keep away from direct sunlight

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	Lanatoside C (Ceglunate) is a cardiac glycoside, a type of drug that can be used in the treatment of congestive heart failure and cardiac arrhythmia (irregular heartbeat). Lanatoside C can be used orally or by the intravenous route.
Targets(IC50)	ATPase, Anti-infection, Autophagy, Virus Protease

Solubility Information

Solubility	DMSO: 50 mg/mL (50.76 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 (2.03 mM), Sonication is recommended. <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	1.0151 mL	5.0755 mL	10.151 mL
5 mM	0.203 mL	1.0151 mL	2.0302 mL
10 mM	0.1015 mL	0.5076 mL	1.0151 mL
50 mM	0.0203 mL	0.1015 mL	0.203 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

Lypka A, Lazowski J. Wiad Lek. 1979 Sep 15;32(18):1277-81.

Hu Y, Yu K, Wang G, et al. Lanatoside C inhibits cell proliferation and induces apoptosis through attenuating Wnt/ β -catenin/c-Myc signaling pathway in human gastric cancer cell. Biochemical Pharmacology. 2018, 150: 280-292

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