

Convallatoxin

Chemical Properties

CAS No. : 508-75-8

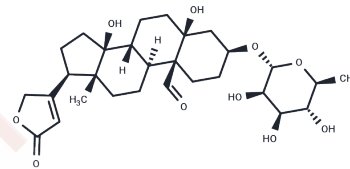
Formula: C₂₉H₄₂O₁₀

Molecular Weight: 550.64

Keep away from direct sunlight

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	Convallatoxin is a natural product.
Targets(IC50)	NF-κB,P-gp,PPAR

Solubility Information

Solubility	DMSO: 50 mg/mL (90.8 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 (3.63 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	1.8161 mL	9.0803 mL	18.1607 mL
5 mM	0.3632 mL	1.8161 mL	3.6321 mL
10 mM	0.1816 mL	0.908 mL	1.8161 mL
50 mM	0.0363 mL	0.1816 mL	0.3632 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

Jiang B W , Zhang W J , Y Wang, et al. Convallatoxin induces HaCaT cell necroptosis and ameliorates skin lesions in psoriasis-like mouse models[J]. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 2019, 121: 109615.

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