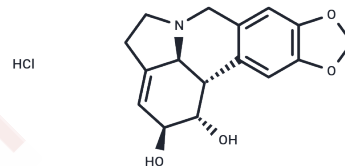


Lycorine hydrochloride

Chemical Properties

CAS No. :	2188-68-3
Formula:	C ₁₆ H ₁₈ ClNO ₄
Molecular Weight:	323.77
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	Lycorine hydrochloride (Narcissine hydrochloride) is VE-cadherin inhibitor, and has IC ₅₀ of 1.2 μM in Hey1B cell. It is an HCV inhibitor with strong activity.
Targets(IC ₅₀)	HCV Protease, Antibacterial, Autophagy, Virus Protease, Cadherin

Solubility Information

Solubility	DMSO: 142.8 mg/mL (441.05 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 (6.18 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	3.0886 mL	15.4431 mL	30.8861 mL
5 mM	0.6177 mL	3.0886 mL	6.1772 mL
10 mM	0.3089 mL	1.5443 mL	3.0886 mL
50 mM	0.0618 mL	0.3089 mL	0.6177 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 M, et al. Oncotarget. 2015 Jun 20;6(17):15348-61.

Ju X, Zhu Y, Wang Y, et al. A novel cell culture system modeling the SARS-CoV-2 life cycle. PLoS pathogens. 2021, 17(3): e1009439.

Liang Q, Cai W, Zhao Y, et al. Lycorine ameliorates bleomycin-induced pulmonary fibrosis via inhibiting NLRP3 inflammasome activation and pyroptosis. Pharmacological Research. 2020: 104884

Liang Q, Cai W, Zhao Y, et al. Lycorine ameliorates bleomycin-induced pulmonary fibrosis via inhibiting NLRP3 inflammasome activation and pyroptosis[J]. Pharmacological Research. 2020: 104884.

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