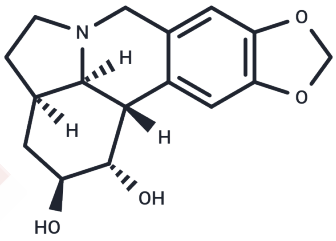
Data Sheet (Cat.No.T3S1729)

TargetMol

Dihydrolycorine

Chemical Properties



CAS No. : 6271-21-2

Formula: C16H19NO4

Molecular Weight: 289.33

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	1. Dihydrolycorine-HCL(DL) shows hypotensive effects, it can block alpha 1-adrenoceptors. 2. Dihydrolycorine is an inhibitors of protein synthesis in eukarytic cells, it halts protein synthesis in eukaryotic cells by inhibiting the peptide bone formation step. 3. Dihydrolycorine and nimodipine protects against anoxia damage of brain in rat.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 2.89 mg/mL (9.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4563 mL	17.2813 mL	34.5626 mL
5 mM	0.6913 mL	3.4563 mL	6.9125 mL
10 mM	0.3456 mL	1.7281 mL	3.4563 mL
50 mM	0.0691 mL	0.3456 mL	0.6913 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.

Reference

Jimenez A , Santos A , Alonso G , et al. Inhibitors of protein synthesis in eukarytic cells. Comparative effects of some amaryllidaceae alkaloids.[J]. BBA Section Nucleic Acids And Protein Synthesis, 1976, 425(3):342-348.

Shen L, Zhao J, Xia Y, et al.Lycorine derivative effectively inhibits the replication of coronaviruses both in vitro and in vivo.hLife.2023

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