

## Lycorine

## Chemical Properties

CAS No. : 476-28-8

Formula: C<sub>16</sub>H<sub>17</sub>NO<sub>4</sub>

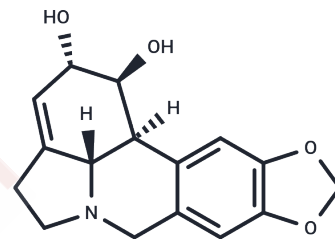
Molecular Weight: 287.31

Keep away from direct sunlight, Keep away from moisture

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 (Narcissine) inhibits protein synthesis and may inhibit ascorbic acid biosynthesis, although studies on the latter are controversial and inconclusive.
Targets(IC50)	Apoptosis, Antibacterial, AChR, Fatty Acid Synthase, Virus Protease

## Solubility Information

Solubility	DMSO: 5.63 mg/mL (19.6 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: 1 mg/mL (3.48 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	3.4806 mL	17.4028 mL	34.8056 mL
5 mM	0.6961 mL	3.4806 mL	6.9611 mL
10 mM	0.3481 mL	1.7403 mL	3.4806 mL
50 mM	0.0696 mL	0.3481 mL	0.6961 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

Vrijsen R. Biol. Chem. 1986, 261 (2): 505-7.

Zhuo F F, Li L, Liu T T, et al. Lycorine promotes IDH1 acetylation to induce mitochondrial dynamics imbalance in colorectal cancer cells. Cancer Letters. 2023: 216364.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481