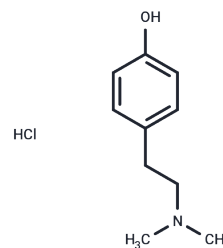


## Hordenine hydrochloride

## Chemical Properties

CAS No. :	6027-23-2
Formula:	C <sub>10</sub> H <sub>16</sub> ClNO
Molecular Weight:	201.69
Storage:	Keep away from moisture, Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Hordenine hydrochloride is a biochemical compound that inhibits the activity of PDK3, suppresses bacterial quorum sensing, and functions as an effective antibiofilm agent, actively contributing to the study of microbial regulation, biofilm disruption mechanisms, Hordenine hydrochloride has potential therapeutic potential against bacterial infections, while enhancing experimental reproducibility in cellular model applications and pharmacology research.
Targets(IC50)	PDK

## Solubility Information

Solubility	DMSO: 10 mg/mL (49.58 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9581 mL	24.7905 mL	49.581 mL
5 mM	0.9916 mL	4.9581 mL	9.9162 mL
10 mM	0.4958 mL	2.4791 mL	4.9581 mL
50 mM	0.0992 mL	0.4958 mL	0.9916 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

R C Howe, et al. Cactus alkaloids. XXXIV. Hordenine HCL from *Coryphantha vivipara* var. *arizonica*. *Planta Med.* 1997, 37, 3.

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