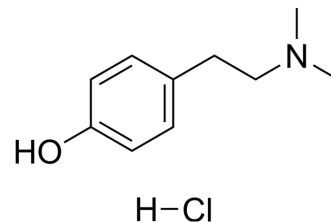


## Hordenine hydrochloride

Cat. No.:	HY-N0113B
CAS No.:	6027-23-2
Molecular Formula:	C <sub>10</sub> H <sub>16</sub> ClNO
Molecular Weight:	201.69
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 12.5 mg/mL (61.98 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.9581 mL	24.7905 mL	49.5810 mL
	5 mM	0.9916 mL	4.9581 mL	9.9162 mL
	10 mM	0.4958 mL	2.4791 mL	4.9581 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Hordenine (hydrochloride), an alkaloid found in plants, inhibits melanogenesis by suppression of cyclic adenosine monophosphate (cAMP) production<sup>[1]</sup>.

### REFERENCES

[1]. R C Howe, et al. Cactus alkaloids. XXXIV. Hordenine HCL from *Coryphantha vivipara* var. *arizonica*. 1Planta Med. 1997, 37, 3.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA