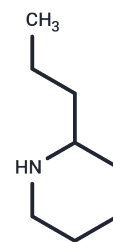


Coniine hydrochloride

Chemical Properties

CAS No. :	15991-59-0
Formula:	C ₈ H ₁₈ ClN
Molecular Weight:	163.70
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

HCl



Biological Description

Description	Coniine hydrochloride, a polyketide-derived alkaloid, is poisonous to humans and animals. It is a nicotinic acetylcholine receptor antagonist, which leads to inhibition of the nervous system.
Targets(IC50)	Others,AChR
In vitro	Reduction of γ -coniceine to coniine is facilitated by NADPH-dependent γ -coniceine reductase. Although coniine is notorious for its toxicity, there is no consensus on its ecological roles, especially in the carnivorous pitcher plants where it occurs. Lately there has been renewed interest in coniine's medical uses particularly for pain relief without an addictive side effect.

Solubility Information

Solubility	DMSO: 27.50 mg/mL (167.99 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	6.1087 mL	30.5437 mL	61.0874 mL
5 mM	1.2217 mL	6.1087 mL	12.2175 mL
10 mM	0.6109 mL	3.0544 mL	6.1087 mL
50 mM	0.1222 mL	0.6109 mL	1.2217 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

Hannu H , Heiko R . The killer of Socrates: Coniine and Related Alkaloids in the Plant Kingdom[J]. Molecules, 2017, 22(11):1962.

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