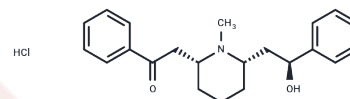


Lobeline hydrochloride

Chemical Properties

CAS No. :	134-63-4
Formula:	C ₂₂ H ₂₇ NO ₂ ·HCl
Molecular Weight:	373.92
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	Lobeline hydrochloride (α -Lobeline hydrochloride) is a nicotinic receptor agonist, acting as an effective antagonist at both α 4 β 2 and α 3 β 2 neuronal nicotinic receptor subtypes.
Targets(IC50)	AChR,Dopamine Receptor

Solubility Information

Solubility	DMSO: 45 mg/mL (120.35 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	2.6744 mL	13.3718 mL	26.7437 mL
5 mM	0.5349 mL	2.6744 mL	5.3487 mL
10 mM	0.2674 mL	1.3372 mL	2.6744 mL
50 mM	0.0535 mL	0.2674 mL	0.5349 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

Meyer AC, et al. J Neurochem. 2013 Oct;127(2):187-98.

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