

Nemazoline hydrochloride

Chemical Properties

CAS No. :	111073-18-8
Formula:	C10H12Cl3N3
Molecular Weight:	280.58
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	Nemazoline hydrochloride (A-57219 hydrochloride) is a selective α -adrenergic agent with α 1-agonist and α 2-antagonist properties, primarily used as a nasal decongestant. By inducing volume vessel constriction through α 1-mediated action, it alleviates congestion without impacting blood flow due to its α 2-antagonistic effect. Additionally, Nemazoline hydrochloride inhibits endogenous norepinephrine-mediated α 2-induced constriction in resistance vessels.
Targets(IC50)	Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.564 mL	17.8202 mL	35.6405 mL
5 mM	0.7128 mL	3.564 mL	7.1281 mL
10 mM	0.3564 mL	1.782 mL	3.564 mL
50 mM	0.0713 mL	0.3564 mL	0.7128 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.

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