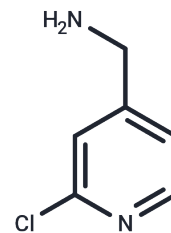


(2-Chloropyridin-4-yl)MethanaMine Hydrochloride

Chemical Properties

CAS No. : 916210-98-5
 Formula: C₆H₈Cl₂N₂
 Molecular Weight: 179.05
 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	(2-Chloropyridin-4-yl)methanamine hydrochloride is a selective LOXL2 inhibitor with an IC ₅₀ of 126 nM.
Targets(IC ₅₀)	Monoamine Oxidase
In vitro	(2-Chloropyridin-4-yl)methanamine hydrochloride (hLOXL2 IC ₅₀ = 126 nM), was shown to be selective for LOXL2 over LOX and three other amine oxidases (MAO-A, MAO-B, and SSAO).

Solubility Information

Solubility	DMSO: 60 mg/mL (335.1 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 5 mg/mL (27.93 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.585 mL	27.9252 mL	55.8503 mL
5 mM	1.117 mL	5.585 mL	11.1701 mL
10 mM	0.5585 mL	2.7925 mL	5.585 mL
50 mM	0.1117 mL	0.5585 mL	1.117 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

Hutchinson J H , Rowbottom M W , Lonergan D , et al. Small Molecule Lysyl Oxidase-like 2 (LOXL2) Inhibitors: The Identification of an Inhibitor Selective for LOXL2 over LOX[J]. ACS Medicinal Chemistry Letters, 2017, 8(4):423-427.

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