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产品名称: 2-氯-4-氨基吡啶

产品别名: (2-Chloropyridin-4-yl)methanamine hydrochloride

生物活性:				
Description	(2-Chloropyridin-4-yl)methanamine hydrochloride is a selective LOXL2 inhibitor with an IC <sub>50</sub> of 126 nM.			
IC <sub>50</sub> & Target	IC <sub>50</sub> : 126 nM (LOXL2)[1]			
In Vitro	(2-Chloropyridin-4-yl)methanamine hydrochloride is shown to be selective for LOXL2 over LOX and three other amine oxidases (MAO-A, MAO-B and SSAO). In the human whole blood LOXL2 assay, (2-Chloropyridin-4-yl)methanamine hydrochloride has an IC <sub>50</sub> of 1.45 μM compared to 126 nM in the absence of blood proteins. (2-Chloropyridin-4-yl)methanamine hydrochloride shows a 31-fold selectivity for LOXL2+BSA (IC <sub>50</sub> =190 nM) over LOX+BSA (IC <sub>50</sub> =5.91 μM). Against a panel of non-LTQ-containing AO enzymes (MAO-A, MAO-B and SSAO), LOXL2-IN-1 is found to be inactive at 30 μM. (2-Chloropyridin-4-yl)methanamine hydrochloride is profiled for the inhibition of three different CYP enzymes (CYPs 3A4, 2C9 and 2D6) and in each case the IC <sub>50</sub> is more than 30 μM[1].			
Solvent&Solubility	<b>In Vitro:</b> H <sub>2</sub> O : ≥ 50 mg/mL (279.25 mM) DMSO : ≥ 33 mg/mL (184.31 mM)  * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	5.5850 mL	27.9252 mL
		5 mM	1.1170 mL	5.5850 mL
		10 mM	0.5585 mL	2.7925 mL
	*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液。一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限: -80°C, 6 months; -20°C, 1 month。-80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。			
References	[1]. Hutchinson JH, et al. Small Molecule Lysyl Oxidase-like 2 (LOXL2) Inhibitors: The Identification of an Inhibitor Selective for LOXL2 over LOX. ACS Med Chem Lett. 2017 Mar 1;8(4):423-427.			