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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:																											
<b>Description</b>	(2-Chloropyridin-4-yl)methanamine hydrochloride is a selective LOXL2 inhibitor with an IC50 of 126 nM.																										
<b>IC<sub>50</sub> &amp; Target</b>	IC50: 126 nM (LOXL2)[1]																										
<b>In Vitro</b>	(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 IC50 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 (IC50=190 nM) over LOX+BSA (IC50=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 IC50 is more than 30 μM[1].																										
<b>Solvent&amp;Solubility</b>	<b><i>In Vitro:</i></b> H <sub>2</sub> O : ≥ 50 mg/mL (279.25 mM) DMSO : ≥ 33 mg/mL (184.31 mM) * "≥" means soluble, but saturation unknown.																										
		<table border="1"> <thead> <tr> <th>Solvent</th> <th>Mass</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing</td> <td>Concentration</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td>5.5850 mL</td> <td>27.9252 mL</td> <td>55.8503 mL</td> </tr> <tr> <td>5 mM</td> <td>1.1170 mL</td> <td>5.5850 mL</td> <td>11.1701 mL</td> </tr> <tr> <td rowspan="2">Stock Solutions</td> <td>10 mM</td> <td>0.5585 mL</td> <td>2.7925 mL</td> <td>5.5850 mL</td> </tr> </tbody> </table>	Solvent	Mass	1 mg	5 mg	10 mg	Preparing	Concentration				1 mM	5.5850 mL	27.9252 mL	55.8503 mL	5 mM	1.1170 mL	5.5850 mL	11.1701 mL	Stock Solutions	10 mM	0.5585 mL	2.7925 mL	5.5850 mL		
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	*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。																										
<b>References</b>	[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.																										