

4-Chloropyridine

Chemical Properties

CAS No. :	626-61-9
Formula:	C ₅ H ₄ ClN
Molecular Weight:	113.55
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	4-Chloropyridine acts as an inhibitor of Nicotinamide N-methyltransferase (NNMT). Serving as a substrate for NNMT, this compound enhances the electrophilicity at the C4 position through methylation of the pyridine nitrogen. This modification facilitates an aromatic nucleophilic substitution reaction with the non-catalytic cysteine (C159) in NNMT, ultimately leading to suicidal activity inhibition of the enzyme. 4-Chloropyridine is a promising candidate for the development of activity-based probes targeting NNMT functions.
Targets(IC50)	Others,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.8067 mL	44.0335 mL	88.0669 mL
5 mM	1.7613 mL	8.8067 mL	17.6134 mL
10 mM	0.8807 mL	4.4033 mL	8.8067 mL
50 mM	0.1761 mL	0.8807 mL	1.7613 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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