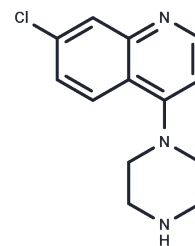


7-Chloro-4-(piperazin-1-yl)quinoline

Chemical Properties

CAS No. :	837-52-5
Formula:	C13H14ClN3
Molecular Weight:	247.72
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	7-Chloro-4-(piperazin-1-yl)quinoline is an important scaffold in medicinal chemistry, exhibiting diverse pharmacological profiles either alone or as a hybrid with other active pharmacophores. It is a potent sirtuin inhibitor, also inhibiting serotonin uptake (IC50 of 50 μM), and demonstrates antimalarial activity on D10 and K1 strains of P. falciparum with IC50 values of 1.18 μM and 0.97 μM, respectively [1].
Targets(IC50)	Others,Parasite,Sirtuin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0368 mL	20.1841 mL	40.3682 mL
5 mM	0.8074 mL	4.0368 mL	8.0736 mL
10 mM	0.4037 mL	2.0184 mL	4.0368 mL
50 mM	0.0807 mL	0.4037 mL	0.8074 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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