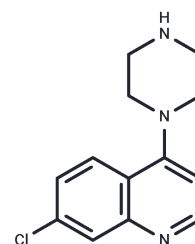


7-Chloro-4-(piperazin-1-yl)quinoline

Chemical Properties

CAS No. :	837-52-5
Formula:	C ₁₃ H ₁₄ ClN ₃
Molecular Weight:	247.72
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	7-Chloro-4-(piperazin-1-yl)quinolone is an important scaffold in medicinal chemistry. It exhibited either alone or as hybrid with other active pharmacophores diverse pharmacological profiles. 7-Chloro-4-(piperazin-1-yl)quinolone is a potent sirtuin inhibitor and also inhibits the serotonin uptake (IC ₅₀ of 50 μM). 7-Chloro-4-(piperazin-1-yl)quinolone exhibits antimalarial activity on D10 and K1 strains of P. falciparum with IC ₅₀ s of 1.18 μM and 0.97 μM, respectively [1].
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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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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