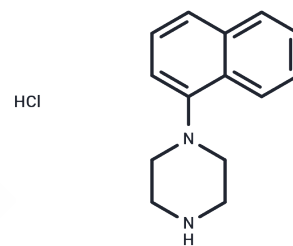


1-(1-Naphthyl) piperazine hydrochloride

Chemical Properties

CAS No. :	104113-71-5
Formula:	C ₁₄ H ₁₇ ClN ₂
Molecular Weight:	248.75
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	1-(1-Naphthyl) piperazine hydrochloride (1-naphthalen-1-ylpiperazine hydrochloride) is a serotonergic ligand which could bind nonselectively with multiple serotonin (5-HT) receptors.
Targets(IC50)	Apoptosis,Others,5-HT Receptor

Solubility Information

Solubility	DMSO: 30 mg/mL (120.6 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0201 mL	20.1005 mL	40.201 mL
5 mM	0.804 mL	4.0201 mL	8.0402 mL
10 mM	0.402 mL	2.0101 mL	4.0201 mL
50 mM	0.0804 mL	0.402 mL	0.804 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.

Reference

Lee M , Rangisetty J B , Pullagurla M R , et al. 1-(1-Naphthyl)piperazine as a novel template for 5-HT₆ serotonin receptor ligands.[J]. Bioorganic & Medicinal Chemistry Letters, 2005, 15(6):1707-1711.

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