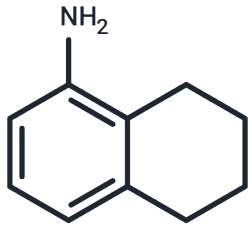
Data Sheet (Cat.No.T5921)

TargetMol

5-Aminotetralin

Chemical Properties



CAS No. : 2217-41-6

Formula: C10H13N

Molecular Weight: 147.22

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	5-Aminotetralin (5,6,7,8-Tetrahydro-1-naphthylamine) is a fragment compound belonging to the class of aromatic hydrocarbons. It has been used in the synthesis of various organic compounds such as 1,2-dihydronaphthalene, 1-naphthol and 1-naphthaleneacetic acid. It has also been used in the synthesis of drugs such as the antimalarial drug chloroquine.
Targets(IC50)	Others
In vitro	5-Aminotetralin shows binding affinity to pyroglutamyl-peptidase II with Ki of 10.14 μM [1].

Solubility Information

Solubility	DMSO: 55 mg/mL (373.59 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7926 mL	33.9628 mL	67.9256 mL
5 mM	1.3585 mL	6.7926 mL	13.5851 mL
10 mM	0.6793 mL	3.3963 mL	6.7926 mL
50 mM	0.1359 mL	0.6793 mL	1.3585 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

Kelly J , Scalabrino G , Slator G , et al. Structure-activity studies with high-affinity inhibitors of pyroglutamyl-peptidase II.[J]. Biochemical Journal, 2005, 389(2):569-576.

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