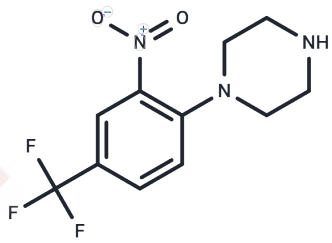
Data Sheet (Cat.No.T60231)

TargetMol

N-[2-nitro-4-(trifluoromethyl)phenyl]piperazine

Chemical Properties



CAS No. : 58315-38-1

Formula: C11H12F3N3O2

Molecular Weight: 275.23

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	N-[2-nitro-4-(trifluoromethyl)phenyl]piperazine is a biologically active compound belonging to the piperazine group. It is an important synthetic intermediate used in the preparation of a wide range of drugs, agrochemicals and other chemicals. It is considered an inhibitor of certain enzymes involved in drug metabolism, such as cytochrome P450 enzymes, and has also been shown to have anti-inflammatory and antitumor effects.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 60 mg/mL (218 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6333 mL	18.1666 mL	36.3332 mL
5 mM	0.7267 mL	3.6333 mL	7.2666 mL
10 mM	0.3633 mL	1.8167 mL	3.6333 mL
50 mM	0.0727 mL	0.3633 mL	0.7267 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

Rejmund M, et al. Piperazinyl fragment improves anticancer activity of Triapine. PLoS One. 2018 Apr 13;13(4): e0188767.

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