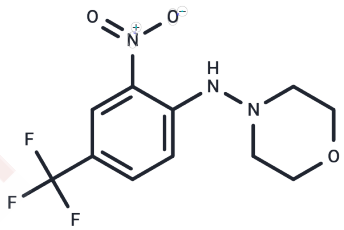
Data Sheet (Cat.No.T13925)

TargetMol

THS-044

Chemical Properties



CAS No. : 62054-67-5

Formula: C11H12F3N3O3

Molecular Weight: 291.23

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	THS-044 (N-[2-Nitro-4-(Trifluoromethyl)phenyl]morpholin-4-Amine) binding stabilizes the HIF2α PAS-B folded state with a kd of 2 μM and regulates HIF2 activity in endogenous and clinical settings.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase,HIF

Solubility Information

Solubility	DMSO: 1.5 mg/mL (5.15 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4337 mL	17.1686 mL	34.3371 mL
5 mM	0.6867 mL	3.4337 mL	6.8674 mL
10 mM	0.3434 mL	1.7169 mL	3.4337 mL
50 mM	0.0687 mL	0.3434 mL	0.6867 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

Scheuermann TH, et al. Artificial ligand binding within the HIF2alpha PAS-B domain of the HIF2 transcription factor. Proc Natl Acad Sci U S A. 2009 Jan 13;106(2):450-455.
Motto I, et al. New aryl hydrocarbon receptor homology model targeted to improve docking reliability. J Chem Inf Model. 2011 Nov 28;51(11):2868-2881.

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