

MyD88-IN-1

Chemical Properties

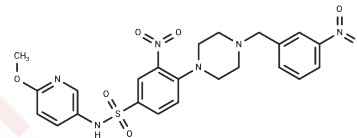
CAS No. : 2911609-80-6

Formula: C₂₃H₂₄N₆O₇S

Molecular Weight: 528.54

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	MyD88-IN-1 is a potent MyD88 inhibitor with anti-inflammatory activity, inhibiting downstream pathways such as the NF-κB pathway of the Toll-like receptor (TLR) and interleukin-1 (IL-1) receptor family. MyD88-IN-1 may be used in the study of cancer and inflammation treatment.
Targets(IC50)	NF-κB,IL Receptor,MyD88,TLR

Solubility Information

Solubility	DMSO: 50 mg/mL (94.6 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	1.892 mL	9.460 mL	18.920 mL
5 mM	0.3784 mL	1.892 mL	3.784 mL
10 mM	0.1892 mL	0.946 mL	1.892 mL
50 mM	0.0378 mL	0.1892 mL	0.3784 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

Chen P, et al. Design, Synthesis, and Bioevaluation of Novel MyD88 Inhibitor c17 against Acute Lung Injury Derived from the Virtual Screen. J Med Chem. 2023;66(10):6938-6958.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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