

MI-1481

Chemical Properties

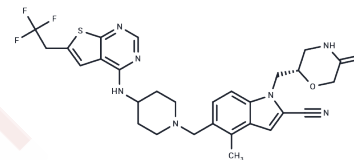
CAS No. : 1887178-64-4

Formula: C₂₉H₃₀F₃N₇O₂S

Molecular Weight: 597.65

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	MI-1481 is an effective MML1 inhibitor (IC ₅₀ : 3.6 nM). MI-1481 showed very potent inhibition of the menin-MLL1 interaction (IC ₅₀ : 3.6 nM). MI-1481 also demonstrates pronounced activity in MLL leukemia cells and in vivo in MLL leukemia models.
Targets(IC ₅₀)	Others,Epigenetic Reader Domain

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6732 mL	8.3661 mL	16.7322 mL
5 mM	0.3346 mL	1.6732 mL	3.3464 mL
10 mM	0.1673 mL	0.8366 mL	1.6732 mL
50 mM	0.0335 mL	0.1673 mL	0.3346 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

Borkin D, Klossowski S, Pollock J, Miao H, Linhares B, Kempinska K, Jin Z, Purohit T, Wen B, He M, Sun D, Cierpicki T, Grembecka J. The complexity of blocking bivalent protein-protein interactions: development of a highly potent inhibitor of the menin-Mixed Lineage Leukemia (MLL) interaction. J Med Chem. 2018 May 8. doi: 10.1021/acs.jmedchem.8b00071. [Epub ahead of print] PubMed PMID: 29738674.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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