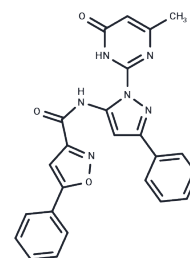


MU876

Chemical Properties

CAS No. : 1208829-24-6
 Formula: C₂₄H₁₈N₆O₃
 Molecular Weight: 438.45
 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	MU876 (Compound 32) is an MUS81 inhibitor with an IC ₅₀ of 0.5 μM. It effectively inhibits MUS81-dependent homologous recombination (HR) and break-induced replication (BIR) pathways. MU876 enhances the sensitivity of cancer cells to DNA-damaging agents like Cisplatin by impairing their ability to repair DNA damage. This compound is applicable in cancer chemotherapy research.
Targets(IC ₅₀)	Endonuclease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2808 mL	11.4038 mL	22.8076 mL
5 mM	0.4562 mL	2.2808 mL	4.5615 mL
10 mM	0.2281 mL	1.1404 mL	2.2808 mL
50 mM	0.0456 mL	0.2281 mL	0.4562 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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