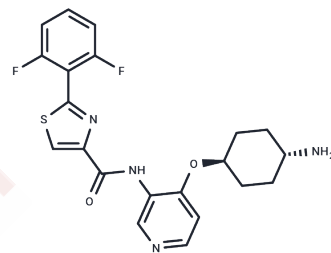


FD1024

Chemical Properties

CAS No. : 1422456-47-0
 Formula: C₂₁H₂₀F₂N₄O₂S
 Molecular Weight: 430.47
 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	FD1024 is a potent PIM inhibitor, displaying inhibitory concentrations (IC ₅₀ s) of 1.96 nM, 38.9 nM, and 4.17 nM for PIM1, PIM2, and PIM3, respectively. It demonstrates significant antiproliferative effects on several AML cell lines, with IC ₅₀ values of 0.16 μM for EOL-1, 0.12 μM for MV-4-11, 1.05 μM for KG-1, and 1.39 μM for MOLM-16. Additionally, FD1024 has shown antitumor efficacy in murine models [1].
Targets(IC ₅₀)	Pim

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.323 mL	11.6152 mL	23.2304 mL
5 mM	0.4646 mL	2.323 mL	4.6461 mL
10 mM	0.2323 mL	1.1615 mL	2.323 mL
50 mM	0.0465 mL	0.2323 mL	0.4646 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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