

A-1293201

Chemical Properties

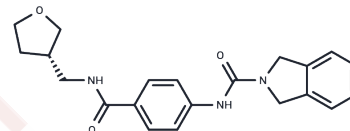
CAS No. : 1375557-33-7

Formula: C₂₁H₂₃N₃O₃

Molecular Weight: 365.43

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	A-1293201 is a potent and selective Bcl-1/A1 inhibitor (IC ₅₀ = 16 nM). It neutralizes anti-apoptotic signaling by binding the hydrophobic groove, used for hematological malignancy resistance research.
Targets(IC ₅₀)	Apoptosis, Bcl-2 Family
In vitro	A-1293201 reduces NADt levels and induces apoptosis via NAMPT inhibition, reversing resistance in cell lines with Y18 mutations [1].

Solubility Information

Solubility	DMSO: 50 mg/mL (136.83 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	2.7365 mL	13.6825 mL	27.365 mL
5 mM	0.5473 mL	2.7365 mL	5.473 mL
10 mM	0.2737 mL	1.3683 mL	2.7365 mL
50 mM	0.0547 mL	0.2737 mL	0.5473 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

Kudale V S, Wang J J. Metal-free C-H methylation and acetylation of heteroarenes with PEG-400[J]. Green Chemistry, 2020, 22(11): 3506-3511.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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