

NUCC-0226272

Chemical Properties

CAS No. : 3004503-12-9

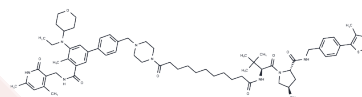
Formula: C67H91N9O8S

Molecular Weight: 1182.56

Keep away from direct sunlight

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	NUCC-0226272, a potent PROTAC, induces the degradation of EZH2 and exhibits anti-proliferative effects. It holds promise for application in cancer research [1].
Targets(IC50)	Histone Methyltransferase,PROTACs
In vitro	NUCC-0226272 exhibits antiproliferative effects on LNCaP and 22Rv1 cells at concentrations of 0.01-10 μ M over 5 days. At 10 μ M over 6 days, it shows significant degradation of EZH2, reduction of the PRC2 component SUZ12, and decreased levels of H3K27me3 in C4-2B cells [1].
In vivo	Pharmacokinetic parameters of NUCC-0226272 in C57Bl/6 mice [1] are as follows: after an IP dose of 4 mg/kg, T _{max} is 0.83 hours, C _{max} reaches 3650 ng/mL, AUC _{last} is 12777389 min·ng/mL, t _{1/2} is 3.46 hours, clearance (CL) is 3.11 mL/min/kg, and volume of steady-state distribution (V _{ss}) is 3.11 L/kg.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8456 mL	4.2281 mL	8.4562 mL
5 mM	0.1691 mL	0.8456 mL	1.6912 mL
10 mM	0.0846 mL	0.4228 mL	0.8456 mL
50 mM	0.0169 mL	0.0846 mL	0.1691 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481