

EZH2-IN-14

Chemical Properties

CAS No. :	1979157-17-9
Formula:	C31H39N7O2
Molecular Weight:	541.69
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	EZH2-IN-14 is a selective inhibitor of EZH2 (histone methyltransferase) with an IC ₅₀ value of 12 nM. EZH2-IN-14 targets the histone methyltransferase EZH2, inhibiting its trimethylation of histone H3K27. In vitro, EZH2-IN-14 regulates gene expression in cancer cells, inhibits proliferation, and induces apoptosis, making it suitable for studying tumor epigenetic regulatory mechanisms and for potential drug development.
Targets(IC50)	Others,Histone Methyltransferase

Solubility Information

Solubility	DMSO: 100 mg/mL (184.61 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	1.8461 mL	9.2304 mL	18.4607 mL
5 mM	0.3692 mL	1.8461 mL	3.6921 mL
10 mM	0.1846 mL	0.923 mL	1.8461 mL
50 mM	0.0369 mL	0.1846 mL	0.3692 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

Anqi Ma, et al. Discovery of a first-in-class EZH2 selective degrader. Nat Chem Biol. 2020 Feb;16(2):214-222.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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