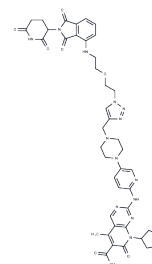


CP-10

Chemical Properties

CAS No. :	2366268-80-4
Formula:	C44H49N13O7
Molecular Weight:	871.94
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	CP-10 is a PROTAC with highly selective and remarkable CDK6 degradation (DC50: 2.1 nM). It inhibits the proliferation of several hematopoietic cancer cells including multiple myeloma and can degrade mutated and overexpressed CDK6.
Targets(IC50)	CDK,PROTACs
In vitro	In human glioblastoma U251 cells, CP-10 induces nearly 72% degradation of CDK6 at 10 nM and 89% at 100 nM. The degradation of CDK4 induced by CP-10 is far weaker than that of CDK6 (DC50: 50-80 fold). CP-10 displays a cell inhibition potential in mantle cell lymphoma cells (in Mino, IC50≈8 nM) and multiple myeloma cell MM.1S (IC50≈10 nM).

Solubility Information

Solubility	DMSO: 200 mg/mL (229.37 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	1.1469 mL	5.7343 mL	11.4687 mL
5 mM	0.2294 mL	1.1469 mL	2.2937 mL
10 mM	0.1147 mL	0.5734 mL	1.1469 mL
50 mM	0.0229 mL	0.1147 mL	0.2294 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

Su S, et al. Potent and Preferential Degradation of CDK6 via Proteolysis Targeting Chimera Degraders. J Med Chem. 2019 Aug 2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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