

PROTAC CDK9 Degradar-1

Chemical Properties

CAS No. : 2118356-96-8

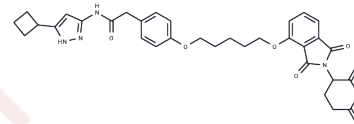
Formula: C₃₃H₃₅N₅O₇

Molecular Weight: 613.66

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	PROTAC CDK9 Degradar-1 is a selective PROTAC CDK9 degrader composed of a cereblon ligand and a CDK9 ligand.
Targets(IC50)	CDK,PROTACs
In vitro	In HCT116 cells, PROTAC CDK9 Degradar-1 (Compound 3) (2.5-20 μM; 6 h) induced CDK9 degradation in a dose-dependent manner.[1]

Solubility Information

Solubility	DMSO: 80 mg/mL (130.37 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (5.38 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6296 mL	8.1478 mL	16.2957 mL
5 mM	0.3259 mL	1.6296 mL	3.2591 mL
10 mM	0.163 mL	0.8148 mL	1.6296 mL
50 mM	0.0326 mL	0.163 mL	0.3259 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

Robb CM, et al. Chemically induced degradation of CDK9 by a proteolysis targeting chimera (PROTAC). *Chem Commun (Camb)*. 2017 Jul 4;53(54):7577-7580.

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