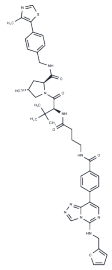
Data Sheet (Cat.No.T13954)

TargetMol

UNC6852

Chemical Properties



CAS No. : 2688842-08-0

Formula: C43H48N10O6S

Molecular Weight: 832.97

Storage: Keep away from direct sunlight
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	UNC6852 contains an EED ligand (IC50 = 247 nM) and a von Hippel-Lindau ligand and is a selective polycomb repressive complex 2 (PRC2) degrader based on PROTAC.
Targets(IC50)	Histone Methyltransferase,Ligands for Target Protein for PROTAC,PROTACs
In vitro	UNC6852 (10 μM; 1-72 hours) results in a decrease in the levels of both EED and EZH2. UNC6852 facilitates PRC2 degradation via VHL recruitment and reduces H3K27me3 levels and DLBCL cell proliferation. UNC6852 displays no cellular toxicity at concentrations up to 30 μM for HeLa Cells[1].

Solubility Information

Solubility	DMSO: 95 mg/mL (114.05 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: 5 mg/mL (6 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2005 mL	6.0026 mL	12.0052 mL
5 mM	0.2401 mL	1.2005 mL	2.401 mL
10 mM	0.1201 mL	0.6003 mL	1.2005 mL
50 mM	0.024 mL	0.1201 mL	0.2401 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

Potjewyd F, et al. Degradation of Polycomb Repressive Complex 2 with an EED-Targeted Bivalent Chemical Degrader. Cell Chem Biol. 2020 Jan 16;27(1):47-56.e15.