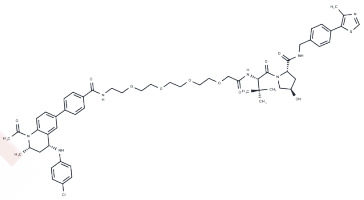
Data Sheet (Cat.No.T13786)

TargetMol

MZP-55

Chemical Properties



CAS No. : 2010159-48-3

Formula: C57H70ClN7O10S

Molecular Weight: 1080.73

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	MZP-55 is a selective BRD3/4 degrader based on PROTAC technology(Brd4BD2 with Kd of 8 nM)
Targets(IC50)	Epigenetic Reader Domain,PROTACs
In vitro	MZP-55 binds to VHL-EloC-EloB protein (VCB) with a Kd of 105 ± 24 nM. MZP-55 shows an inhibitory activity against MV4;11 and HL60 cells, with pEC50s of 7.31 ± 0.03 and 6.57 ± 0.02, respectively[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (46.27 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: 2.5 mg/mL (2.31 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	0.9253 mL	4.6265 mL	9.253 mL
5 mM	0.1851 mL	0.9253 mL	1.8506 mL
10 mM	0.0925 mL	0.4627 mL	0.9253 mL
50 mM	0.0185 mL	0.0925 mL	0.1851 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

Chan KH, et al. Impact of Target Warhead and Linkage Vector on Inducing Protein Degradation: Comparison of Bromodomain and Extra-Terminal (BET) Degraders Derived from Triazolodiazepine (JQ1) and Tetrahydroquinoline (I-BET726) BET Inhibitor Scaffolds. J Med Chem. 2018 Jan 25;61(2):504-513.