

PROTAC FKBP Degradar-3

Chemical Properties

CAS No. : 2079056-43-0

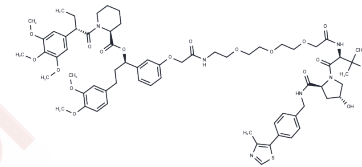
Formula: C68H90N6O17S

Molecular Weight: 1295.54

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 FKBP Degradar-3 is a bifunctional PROTAC molecule composed of an FKBP ligand-binding group, a rationally designed linker, and a VHL E3 ligase-binding moiety, and functions as a potent FKBP degrader, enabling selective protein degradation studies and validation of FKBP as a therapeutic target.
Targets(IC50)	FKBP,PROTACs
In vitro	Treatment with 250 nM of PROTAC FKBP Degradar-3 (compound 10) notably enhanced the polyubiquitination of EGFP-FKBP within the first hour, indicating its efficacy in promoting VHL-related protein degradation. This process involves the recruitment of endogenous VHL by PROTAC FKBP Degradar-3 (compound 10), during which ubiquitination was observed specifically at one background lysine residue (Lys158) of EGFP[1].

Solubility Information

Solubility	DMSO: 20 mg/mL (15.44 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	0.7719 mL	3.8594 mL	7.7188 mL
5 mM	0.1544 mL	0.7719 mL	1.5438 mL
10 mM	0.0772 mL	0.3859 mL	0.7719 mL
50 mM	0.0154 mL	0.0772 mL	0.1544 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

Ottis P, et al. Assessing Different E3 Ligases for Small Molecule Induced Protein Ubiquitination and Degradation. ACS Chem Biol. 2017 Oct 20;12(10):2570-2578.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481