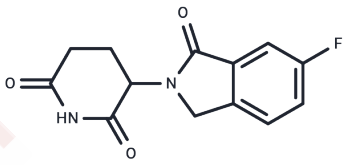
Data Sheet (Cat.No.T40129)

TargetMol

Lenalidomide-6-F

Chemical Properties



CAS No. : 2468780-87-0

Formula: C13H11FN2O3

Molecular Weight: 262.24

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	Lenalidomide-6-F is a derivative of Lenalidomide that serves as a cereblon (CRBN) ligand facilitating the recruitment of CRBN protein. With the addition of a linker, Lenalidomide-6-F can be conjugated to the ligand for the protein, enabling the formation of PROTAC.
Targets(IC50)	Others,Ligands for E3 Ligase
In vitro	PROTACs utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins by connecting two distinct ligands via a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the desired protein[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8133 mL	19.0665 mL	38.133 mL
5 mM	0.7627 mL	3.8133 mL	7.6266 mL
10 mM	0.3813 mL	1.9067 mL	3.8133 mL
50 mM	0.0763 mL	0.3813 mL	0.7627 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

Scheepstra M, et al. Bivalent Ligands for Protein Degradation in Drug Discovery. Comput Struct Biotechnol J. 2019; 17:160-176. Published 2019 Jan 25.
Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27 (8):998-985.

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