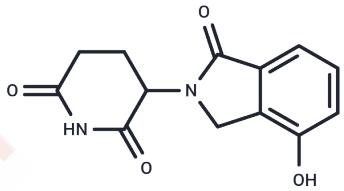
Data Sheet (Cat.No.T38457)

TargetMol

Lenalidomide-4-OH

Chemical Properties



CAS No. : 1061604-41-8

Formula: C13H12N2O4

Molecular Weight: 260.25

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-4-OH is a cereblon (CRBN) ligand derived from Lenalidomide, utilized in the recruitment of the CRBN protein. It can be conjugated to the protein ligand via a linker, facilitating the formation of PROTAC.
Targets(IC50)	Others,Ligands for E3 Ligase
In vitro	PROTACs, consisting of two distinct ligands connected by a linker–one for an E3 ubiquitin ligase and the other for the target protein–utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8425 mL	19.2123 mL	38.4246 mL
5 mM	0.7685 mL	3.8425 mL	7.6849 mL
10 mM	0.3842 mL	1.9212 mL	3.8425 mL
50 mM	0.0768 mL	0.3842 mL	0.7685 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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