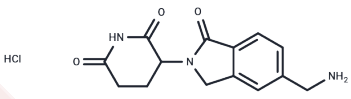
Data Sheet (Cat.No.T38545)

TargetMol

Lenalidomide-5-aminomethyl hydrochloride

Chemical Properties



CAS No. : 1158264-69-7

Formula: C14H16ClN3O3

Molecular Weight: 309.75

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-5-aminomethyl hydrochloride is a cereblon (CRBN) ligand derived from Lenalidomide. It serves as a ligand for the recruitment of the CRBN protein. When connected to the protein via a linker, Lenalidomide-5-aminomethyl hydrochloride forms a PROTAC.
Targets(IC50)	Others,Ligands for E3 Ligase
In vitro	PROTACs consist of two ligands linked together: one binding to an E3 ubiquitin ligase and the other to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2284 mL	16.1421 mL	32.2841 mL
5 mM	0.6457 mL	3.2284 mL	6.4568 mL
10 mM	0.3228 mL	1.6142 mL	3.2284 mL
50 mM	0.0646 mL	0.3228 mL	0.6457 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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