

Lenalidomide-5-Br

Chemical Properties

CAS No. : 1010100-26-1

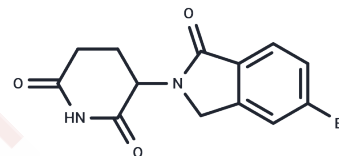
Formula: C₁₃H₁₁BrN₂O₃

Molecular Weight: 323.14

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	Lenalidomide-5-Br is a Lenalidomide derivative that functions as a ligand for cereblon (CRBN), thereby facilitating the recruitment of CRBN protein. It can be conjugated to the protein ligand through a linker to generate a PROTAC molecule.
Targets(IC50)	Others,Ligands for E3 Ligase
In vitro	PROTACs consist of two distinct ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0946 mL	15.4732 mL	30.9463 mL
5 mM	0.6189 mL	3.0946 mL	6.1893 mL
10 mM	0.3095 mL	1.5473 mL	3.0946 mL
50 mM	0.0619 mL	0.3095 mL	0.6189 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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