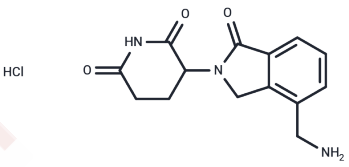
# Data Sheet (Cat.No.T40547)

TargetMol

## Lenalidomide-4-aminomethyl hydrochloride

### Chemical Properties




CAS No. : 444289-05-8

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-4-aminomethyl hydrochloride is a compound derived from Lenalidomide, serving as a cereblon (CRBN) ligand for the recruitment of CRBN protein. By connecting Lenalidomide-4-aminomethyl hydrochloride to the ligand via a linker, PROTAC formation can be facilitated. |
| Targets(IC50) | Others,Ligands for E3 Ligase |
| In vitro | PROTACs comprise two distinct ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets a specific 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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