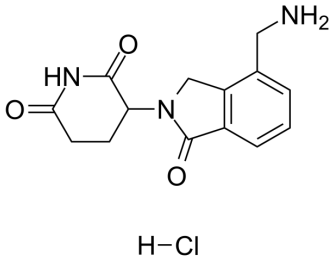
Lenalidomide-4-aminomethyl hydrochloride

Cat. No.:	HY-138882A
CAS No.:	444289-05-8
Molecular Formula:	$C_{14}H_{16}ClN_3O_3$
Molecular Weight:	309.75
Target:	Ligands for E3 Ligase
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Lenalidomide-4-aminomethyl hydrochloride is the Lenalidomide-based cereblon (CRBN) ligand used in the recruitment of CRBN protein. Lenalidomide-4-aminomethyl hydrochloride can be connected to the ligand for protein by a linker to form PROTAC[1]
IC_{50} & Target	Cereblon
In Vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Scheepstra M, et al. Bivalent Ligands for Protein Degradation in Drug Discovery. Comput Struct Biotechnol J. 2019;17:160-176. Published 2019 Jan 25.

[2]. Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-985.

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