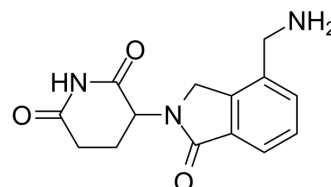


Lenalidomide-4-aminomethyl

Cat. No.:	HY-138882
CAS No.:	790652-68-5
Molecular Formula:	C ₁₄ H ₁₅ N ₃ O ₃
Molecular Weight:	273.29
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 is the Lenalidomide-based cereblon (CRBN) ligand used in the recruitment of CRBN protein. Lenalidomide-4-aminomethyl can be connected to the ligand for protein by a linker to form PROTAC ^[1] .
IC₅₀ & 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]. Nalawansa DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. *Cell Chem Biol*. 2020;27(8):998-985.

Caution: Product has not been fully validated for medical applications. For research use only.

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