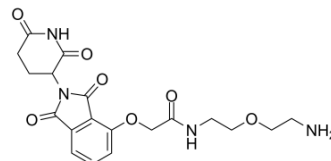


Thalidomide-O-amido-PEG-C2-NH2

Cat. No.:	HY-122694
CAS No.:	2022182-59-6
Molecular Formula:	C ₁₉ H ₂₂ N ₄ O ₇
Molecular Weight:	418.4
Target:	E3 Ligase Ligand-Linker Conjugate
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Thalidomide-O-amido-PEG-C2-NH ₂ is a synthesized E3 ligase ligand-linker conjugate that incorporates the Thalidomide based cereblon ligand and a linker used in PROTAC technology ^[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]. Chessum NEA, et al. Demonstrating In-Cell Target Engagement Using a Pirin Protein Degradation Probe (CCT367766). *J Med Chem.* 2018 Feb 8;61(3):918-933.
- [2]. Sato T, et al. Cereblon-Based Small-Molecule Compounds to Control Neural Stem Cell Proliferation in Regenerative Medicine. *Front Cell Dev Biol.* 2021;9:629326. Published 2021 Mar 11.
- [3]. 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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