Pomalidomide-PEG3-C2-NH2 hydrochloride

Cat. No.: HY-128716B

CAS No.: 2446474-09-3

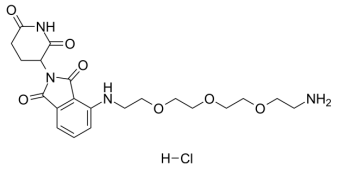
Molecular Formula: $C_{21}H_{29}ClN_4O_7$

Molecular Weight: 484.93

Target: E3 Ligase Ligand-Linker Conjugates

Pathway: PROTAC

Storage: -20°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	Pomalidomide-PEG3-C2-NH2 (Cereblon Ligand-Linker Conjugates 5) hydrochloride is a synthesized E3 ligase ligand-linker conjugate that incorporates the Pomalidomide based cereblon ligand and a linker used in PROTAC technology[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]. 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.

[2]. Nalawansha 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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