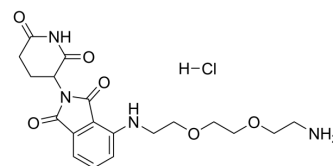


## Thalidomide-PEG2-C2-NH2 hydrochloride

Cat. No.:	HY-129703B
CAS No.:	2245697-87-2
Molecular Formula:	C <sub>19</sub> H <sub>25</sub> ClN <sub>4</sub> O <sub>6</sub>
Molecular Weight:	440.88
Target:	E3 Ligase Ligand-Linker Conjugates; Apoptosis; Autophagy
Pathway:	PROTAC; Apoptosis; Autophagy
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### BIOLOGICAL ACTIVITY

Description	Thalidomide-PEG2-C2-NH2 hydrochloride is a synthesized E3 ligase ligand-linker conjugate that incorporates the Thalidomide based cereblon ligand and 2-unit PEG linker used in PROTAC technology <sup>[1]</sup> .
IC <sub>50</sub> & 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. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Wang Z, et al. Proteolysis Targeting Chimeras for the Selective Degradation of Mcl-1/Bcl-2 Derived from Nonselective Target Binding Ligands. J Med Chem. 2019 Sep 12;62(17):8152-8163.

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

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