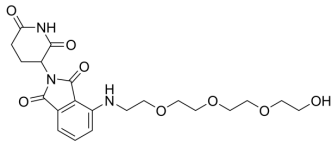
Thalidomide-NH-C2-PEG3-OH

Cat. No.:	HY-131308
CAS No.:	2140807-23-2
Molecular Formula:	$C_{21}H_{27}N_3O_8$
Molecular Weight:	449.45
Target:	E3 Ligase Ligand-Linker Conjugates; Apoptosis; Autophagy
Pathway:	PROTAC; Apoptosis; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Thalidomide-NH-C2-PEG3-OH is an E3 ligase ligand-linker conjugate that incorporates Thalidomide based cereblon ligand and a linker used for PROTAC BCL-XL degrader XZ739[1].
IC_{50} & Target	Cereblon
In Vitro	XZ739, a CRBN-dependent PROTAC BCL-XL degrader with a DC_{50} value of 2.5 nM in MOLT-4 cells after 16 h treatment. XZ739 also induces cell death through caspase-mediated apoptosis[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Xuan Zhang,et al. Discovery of PROTAC BCL-X L Degraders as Potent Anticancer Agents With Low On-Target Platelet Toxicity. Eur J Med Chem. 2020 Apr 15;192:112186.

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