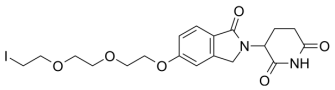
Lenalidomide-PEG3-iodine

Cat. No.:	HY-130982
CAS No.:	2738934-13-7
Molecular Formula:	$C_{19}H_{23}IN_2O_6$
Molecular Weight:	502.3
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Lenalidomide-PEG3-iodine is a synthesized E3 ligase ligand-linker conjugate that incorporates the Lenalidomide based cereblon ligand and a 3-unit PEG linker. Lenalidomide-PEG3-iodine can be used in the synthesis of a series of PROTACs, such as SJF620 (HY-133137). SJF620 is a potent PROTAC BTK degrader with a DC_{50} of 7.9 nM[1].
IC_{50} & Target	Cereblon
In Vitro	Lenalidomide is a recruiter of the E3 ubiquitin ligase substrate adaptor Cereblon (CRBN). SJF620 is a potent PROTAC BTK degrader consisting of the BTK inhibitor conjugated to Lenalidomide by a linker[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jaime-Figueroa S, et al. Design, synthesis and biological evaluation of Proteolysis Targeting Chimeras (PROTACs) as a BTK degraders with improved pharmacokinetic properties. Bioorg Med Chem Lett. 2020 Feb 1;30(3):126877.

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