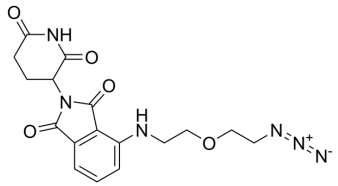
Pomalidomide-PEG1-C2-N3

Cat. No.:	HY-125843
CAS No.:	2271036-44-1
Molecular Formula:	$C_{17}H_{18}N_6O_5$
Molecular Weight:	386.36
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	Pomalidomide-PEG1-C2-N3 is a synthesized E3 ligase ligand-linker conjugate that incorporates the Pomalidomide based cereblon ligand and 1-unit PEG linker used in PROTAC technology. Pomalidomide-PEG1-C2-N3 can be used to design a selective CDK6 PROTAC degrader CP-10. CP-10 induces the degradation of CDK6 with an DC_{50} of 2.1 nM[1]. Pomalidomide-PEG1-C2-N3 is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAc) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.
IC_{50} & Target	Cereblon

REFERENCES

[1]. Su S, et al. Potent and Preferential Degradation of CDK6 via Proteolysis Targeting Chimera Degraders. J Med Chem. 2019 Aug 2.

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