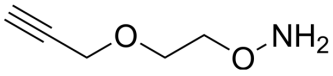
Aminooxy-PEG1-propargyl

Cat. No.:	HY-140056
CAS No.:	1895922-69-6
Molecular Formula:	$C_5H_9NO_2$
Molecular Weight:	115.13
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	Aminooxy-PEG1-propargyl is a PEG-based PROTAC linker can be used in the synthesis of PROTACs[1]. Aminooxy-PEG1-propargyl is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.
IC_{50} & Target	PEGs
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[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhang F, et al. Discovery of a new class of PROTAC BRD4 degraders based on a dihydroquinazolinone derivative and lenalidomide/pomalidomide. Bioorg Med Chem. 2020 Jan 1;28(1):115228.

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