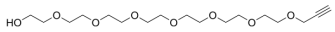
Propargyl-PEG7-alcohol

Cat. No.:	HY-130378
CAS No.:	1422023-54-8
Molecular Formula:	$C_{17}H_{32}O_8$
Molecular Weight:	364.43
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	Pure form -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	Propargyl-PEG7-alcohol is a PEG-based PROTAC linker can be used in the synthesis of PROTACs[1]. Propargyl-PEG7-alcohol 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. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Goswami LN, et al. Efficient synthesis of diverse heterobifunctionalized clickable oligo(ethylene glycol) linkers: potential applications in bioconjugation and targeted drug delivery. Org Biomol Chem. 2013 Feb 21;11(7):1116-26.

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