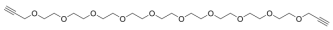
Bis-propargyl-PEG9

Cat. No.:	HY-133189
CAS No.:	1351373-47-1
Molecular Formula:	$C_{24}H_{42}O_{10}$
Molecular Weight:	490.58
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Bis-propargyl-PEG9 is a PEG-based PROTAC linker used in the synthesis of PROTACs. Bis-propargyl-PEG9 can be used to synthesize the bivalent estrogen receptor ligands[1]. Bis-propargyl-PEG9 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]. Shan M, et al. Conformational analysis of bivalent estrogen receptor ligands: from intramolecular to intermolecular binding. Chembiochem. 2011 Nov 25;12(17):2587-98.

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