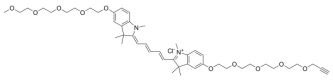
N-methyl-N'-methyl-O-(m-PEG4)-O'-(propargyl-PEG4)-Cy5

Cat. No.:	HY-141052
CAS No.:	2107273-50-5
Molecular Formula:	$C_{47}H_{67}ClN_2O_{10}$
Molecular Weight:	855.5
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	N-methyl-N'-methyl-O-(m-PEG4)-O'-(propargyl-PEG4)-Cy5 is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. N-methyl-N'-methyl-O-(m-PEG4)-O'-(propargyl-PEG4)-Cy5 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]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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