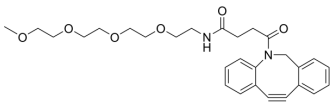
m-PEG4-NH-DBCO

Cat. No.:	HY-140315
CAS No.:	2228857-36-9
Molecular Formula:	$C_{28}H_{34}N_2O_6$
Molecular Weight:	494.58
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	m-PEG4-NH-DBCO is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. m-PEG4-NH-DBCO is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) 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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