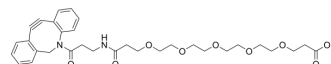


DBCO-NHCO-PEG4-acid

Cat. No.:	HY-125541
CAS No.:	1870899-46-9
Molecular Formula:	C ₃₂ H ₄₀ N ₂ O ₉
Molecular Weight:	596.67
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DBCO-Amide-PEG5-acid is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. DBCO-Amide-PEG5-acid is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) ^[1] . DBCO-NHCO-PEG4-acid is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.	
IC₅₀ & Target	Cleavable Linker	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. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Vukic Soskic, et al. Method for binding biologically active molecules to surfaces. DE102014215208A1.

Caution: Product has not been fully validated for medical applications. For research use only.

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