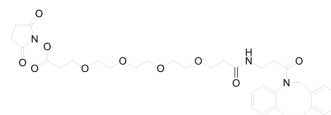


## DBCO-NHCO-PEG4-NHS ester

Cat. No.:	HY-111456
CAS No.:	2100306-58-7
Molecular Formula:	C <sub>34</sub> H <sub>39</sub> N <sub>3</sub> O <sub>10</sub>
Molecular Weight:	649.69
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

<b>Description</b>	DBCO-NHCO-PEG4-NHS ester is a PEG/Alkyl/ether-based PROTAC linker can be used in the synthesis of PROTACs. DBCO-NHCO-PEG4-NHS ester is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> . DBCO-NHCO-PEG4-NHS ester is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.		
<b>IC<sub>50</sub> &amp; Target</b>	Cleavable Linker	PEGs	Alkyl/ether
<b>In Vitro</b>	<p>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.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>		

### REFERENCES

[1]. Thornlow DN, et al. Dual Site-Specific Antibody Conjugates for Sequential and Orthogonal Cargo Release. *Bioconjug Chem.* 2019 Jun 19;30(6):1702-1710.

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

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