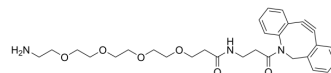


DBCO-NHCO-PEG4-amine

Cat. No.:	HY-124386
CAS No.:	1255942-08-5
Molecular Formula:	C ₂₉ H ₃₇ N ₃ O ₆
Molecular Weight:	523.62
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-NHCO-PEG4-amine is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. DBCO-NHCO-PEG4-amine is a cleavable ADC linker used to conjugate MMAE (HY-15162) and antibody (e.g., DBCO-VCpAB-MMAE and DBCO-TRX-MMAE with EC ₅₀ s of 280 nM and 22 nM in SKBR3 cells, respectively) ^[1] .	
IC₅₀ & Target	Cleavable	PEGs
In Vitro	<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]. Spangler B, et al. Toward a Ferrous Iron-Cleavable Linker for Antibody-Drug Conjugates. Mol Pharm. 2018 May 7;15(5):2054-2059. .

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

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