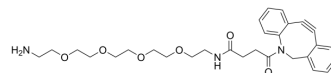


DBCO-PEG4-amine

Cat. No.:	HY-130435
CAS No.:	1840886-10-3
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-PEG4-amine is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. DBCO-PEG4-amine is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). DBCO-PEG4-amine can be used in the synthesis of FPM-PEG4-DBCO (a homobifunctional azide-to-azide cross-linker) ^[1] . DBCO-PEG4-amine 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	<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]. Florinas S, et al. A Nanoparticle Platform To Evaluate Bioconjugation and Receptor-Mediated Cell Uptake Using Cross-Linked Polyion Complex Micelles Bearing Antibody Fragments. *Biomacromolecules*. 2016 May 9;17(5):1818-33.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA