DBCO-NHCO-PEG4-NH-Boc

Cat. No.: HY-126884

CAS No.: 1255942-12-1

Molecular Formula: $C_{34}H_{45}N_3O_8$

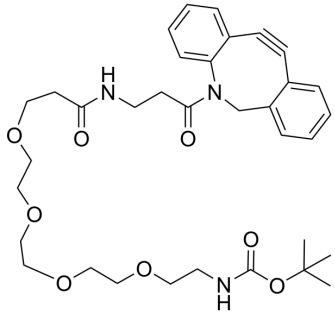
Molecular Weight: 623.74

Target: ADC Linker; PROTAC Linkers

Pathway: Antibody-drug Conjugate/ADC Related; 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	DBCO-NHCO-PEG4-NH-Boc is a PEG/Alkyl/ether-based PROTAC linker can be used in the synthesis of PROTACs. DBCO-NHCO-PEG4-NH-Boc is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. DBCO-NHCO-PEG4-NH-Boc 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	Cleavable Linker	PEGs	Alkyl/ether
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]. Kuzmin A, et al. Surface functionalization using catalyst-free azide-alkyne cycloaddition.

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

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