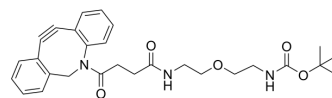


DBCO-PEG1-NH-Boc

Cat. No.:	HY-140289		
CAS No.:	2364591-77-3		
Molecular Formula:	C ₂₈ H ₃₃ N ₃ O ₅		
Molecular Weight:	491.58		
Target:	PROTAC Linkers		
Pathway:	PROTAC		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	DBCO-PEG1-NH-Boc is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] . DBCO-PEG1-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.		
IC₅₀ & Target	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 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. *EBioMedicine*. 2018 Oct;36:553-562

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

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