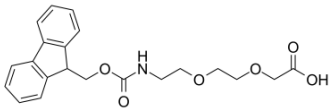
Fmoc-8-amino-3,6-dioxaoctanoic acid

Cat. No.:	HY-W007713
CAS No.:	166108-71-0
Molecular Formula:	$C_{21}H_{23}NO_6$
Molecular Weight:	385.41
Target:	ADC Linker; PROTAC Linker
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	Fmoc-8-amino-3,6-dioxaoctanoic acid (Fmoc-NH-PEG2-CH2COOH) is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Fmoc-8-amino-3,6-dioxaoctanoic acid is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].		
IC_{50} & Target	Cleavable	Alkyl/ether	PEGs
In Vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. 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. MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Nakamura A, et al. Chemogenetic Control of Protein Anchoring to Endomembranes in Living Cells with Lipid-Tethered Small Molecules. Biochemistry. 2020 Jan 21;59(2):205-211.

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