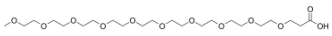
m-PEG10-acid

Cat. No.:	HY-140500
CAS No.:	2409969-94-2
Molecular Formula:	$C_{22}H_{44}O_{12}$
Molecular Weight:	500.58
Target:	ADC Linker; PROTAC Linker
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	m-PEG10-acid is a non-cleavable 10 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. m-PEG10-acid is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[2].	
IC_{50} & Target	PEGs	Non-cleavable
In Vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1]. 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[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. John F. Donovan et al. Pegylated prodrugs of phenolic trpv1 agonists. WO2020023794A1.

[2]. 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.

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