m-PEG12-amine

Cat. No.:	HY-140227
CAS No.:	1977493-48-3
Molecular Formula:	$C_{25}H_{53}NO_{12}$
Molecular Weight:	559.69
Target:	PROTAC Linker; ADC Linker
Pathway:	PROTAC; Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	m-PEG12-amine is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. m-PEG12-amine is also a non-cleavable 12 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[2].	
IC_{50} & Target	PEGs	Non-cleavable
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]. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Vasco AV, et al. A Multicomponent Stapling Approach to Exocyclic Functionalized Helical Peptides: Adding Lipids, Sugars, PEGs, Labels, and Handles to the Lactam Bridge. Bioconjug Chem. 2019 Jan 16;30(1):253-259.

[2]. Joseph Fox, et al. Methods for inducing bioorthogonal reactivity. WO2017106427A1.

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