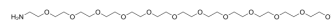


m-PEG12-amine

Cat. No.:	HY-140227
CAS No.:	1977493-48-3
Molecular Formula:	C ₂₅ H ₅₃ NO ₁₂
Molecular Weight:	559.69
Target:	PROTAC Linkers; ADC Linker
Pathway:	PROTAC; Antibody-drug Conjugate/ADC Related
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (178.67 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7867 mL	8.9335 mL	17.8670 mL
5 mM	0.3573 mL	1.7867 mL	3.5734 mL
10 mM	0.1787 mL	0.8934 mL	1.7867 mL

Please refer to the solubility information to select the appropriate solvent.

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].

IC₅₀ & Target

PEGs Non-cleavable Linker

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.

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

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