m-PEG11-acid

Cat. No.: HY-140501

CAS No.: 2280998-74-3

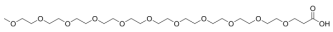
Molecular Formula: $C_{24}H_{48}O_{13}$

Molecular Weight: 544.63

Target: ADC Linker; PROTAC Linkers

Pathway: Antibody-drug Conjugate/ADC Related; PROTAC

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 (183.61 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8361 mL	9.1805 mL	18.3611 mL
	5 mM	0.3672 mL	1.8361 mL	3.6722 mL
	10 mM	0.1836 mL	0.9181 mL	1.8361 mL

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

BIOLOGICAL ACTIVITY

Description

m-PEG11-acid is a non-cleavable 11 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. m-PEG11-acid is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[2].

IC_{50} & Target		
	PEGs	Non-cleavable Linker

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]. Wilfried Braje et al. Macrocyclic mcl-1 inhibitors and methods of use. WO2019035927A1.

[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.

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