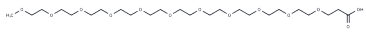
Data Sheet (Cat.No.T18123)

TargetMol

m-PEG11-acid

Chemical Properties



CAS No. : 2280998-74-3

Formula: C24H48O13

Molecular Weight: 544.63

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	m-PEG11-acid is a non-cleavable 11-unit polyethylene glycol (PEG) linker used in the synthesis of antibody-drug conjugates (ADCs) [1] and as a PEG-based linker for PROTAC synthesis [2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody linked to a cytotoxin through an ADC linker[1]. PROTACs have two ligands joined by a linker: one targets an E3 ubiquitin ligase, and the other targets the protein of interest. PROTACs use the ubiquitin-proteasome system to selectively degrade target proteins[2].

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0367 mL	0.1836 mL	0.3672 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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