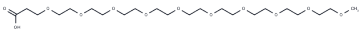
Data Sheet (Cat.No.T18117)

TargetMol

m-PEG10-acid

Chemical Properties



CAS No. : 2409969-94-2

Formula: C22H44O12

Molecular Weight: 500.58

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-PEG10-acid is a non-cleavable 10-unit polyethylene glycol (PEG) antibody-drug conjugate (ADC) linker [1] and also serves as a PEG-based linker for synthesizing proteolysis-targeting chimeras (PROTACs) [2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody linked to an ADC cytotoxin through an ADC linker[1]. PROTACs feature two ligands joined by a linker: one targets an E3 ubiquitin ligase, and the other targets a specific protein. PROTACs utilize the intracellular ubiquitin-proteasome system for selective protein degradation[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9977 mL	9.9884 mL	19.9768 mL
5 mM	0.3995 mL	1.9977 mL	3.9954 mL
10 mM	0.1998 mL	0.9988 mL	1.9977 mL
50 mM	0.040 mL	0.1998 mL	0.3995 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

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