

m-PEG10-amine

Chemical Properties

CAS No. : 1383658-09-0

Formula: C21H45NO10

Molecular Weight: 471.58



Keep away from direct sunlight

Storage: 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-amine is a 10-unit polyethylene glycol (PEG) linker that is non-cleavable. It serves as an essential component in the synthesis of antibody-drug conjugates (ADCs) [1]. Additionally, m-PEG10-amine functions as a PEG-based linker in the synthesis of PROTACs[1], effectively facilitating their formation.
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody linked to a cytotoxin via an ADC linker[1]. PROTACs feature two ligands connected by a linker, one binding to an E3 ubiquitin ligase and the other to a target protein, utilizing the ubiquitin-proteasome system to degrade target proteins selectively[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1205 mL	10.6027 mL	21.2053 mL
5 mM	0.4241 mL	2.1205 mL	4.2411 mL
10 mM	0.2121 mL	1.0603 mL	2.1205 mL
50 mM	0.0424 mL	0.2121 mL	0.4241 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

Jennifer Riggs-Sauthier, et al. Polymer-semaxanib moiety conjugates. US20140011855A1.

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