

## m-PEG24-NHS ester

## Chemical Properties

CAS No. :	2395839-96-8
Formula:	C54H103NO28
Molecular Weight:	1214.39
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-PEG24-NHS ester is a PEG-based PROTAC linker commonly used in the synthesis of PROTAC.
Targets(IC50)	PROTAC Linker
In vitro	The NHS ester group of m-PEG24-NHS ester can react with primary amines on proteins, peptides, or oligonucleotides to form stable amide bonds, enabling PEGylation of the molecule and thereby increasing its water solubility and stability. Commonly used in the synthesis of antibody-drug conjugates (ADCs), protein modification, oligonucleotide modification, and PROTACs, where it serves as a linker to enhance the pharmacokinetic properties of the molecule. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8235 mL	4.1173 mL	8.2346 mL
5 mM	0.1647 mL	0.8235 mL	1.6469 mL
10 mM	0.0823 mL	0.4117 mL	0.8235 mL
50 mM	0.0165 mL	0.0823 mL	0.1647 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

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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