

## m-PEG37-NHS ester

## Chemical Properties

CAS No. :

Formula: C80H155NO41

Molecular Weight: 1787.09

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-PEG37-NHS ester is a PEG-based linker for PROTACs, which connects two essential ligands crucial for PROTAC molecule formation. This linker facilitates selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two distinct ligands joined by a linker—one targeting an E3 ubiquitin ligase and the other the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5596 mL	2.7978 mL	5.5957 mL
5 mM	0.1119 mL	0.5596 mL	1.1191 mL
10 mM	0.056 mL	0.2798 mL	0.5596 mL
50 mM	0.0112 mL	0.056 mL	0.1119 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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