

m-PEG49-NHS ester

Chemical Properties

CAS No. :

Formula: C104H203NO53

Molecular Weight: 2315.7

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-PEG49-NHS ester is a PEG-based linker for PROTACs that joins two essential ligands [for forming PROTAC molecules], enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one binds to an E3 ubiquitin ligase and the other to the target protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs facilitate the selective degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4318 mL	2.1592 mL	4.3183 mL
5 mM	0.0864 mL	0.4318 mL	0.8637 mL
10 mM	0.0432 mL	0.2159 mL	0.4318 mL
50 mM	0.0086 mL	0.0432 mL	0.0864 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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