

Biotin-PEG24-NHS ester

Chemical Properties

CAS No. :

Formula: C65H120N4O30S

Molecular Weight: 1469.72

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	Biotin-PEG24-NHS ester is a PEG-based linker used in PROTACs, facilitating the conjugation of two essential ligands to form PROTAC molecules. This linker enables selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands connected by a linker: one binding an E3 ubiquitin ligase and the other targeting the specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6804 mL	3.402 mL	6.804 mL
5 mM	0.1361 mL	0.6804 mL	1.3608 mL
10 mM	0.068 mL	0.3402 mL	0.6804 mL
50 mM	0.0136 mL	0.068 mL	0.1361 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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