

Dde Biotin-PEG4-alkyne

Chemical Properties

CAS No. :	1802908-00-4
Formula:	C32H50N4O8S
Molecular Weight:	650.83
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Dde Biotin-PEG4-alkyne is a PEG-based linker for PROTACs, facilitating the formation of PROTAC molecules by connecting two essential ligands, and enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one targets an E3 ubiquitin ligase, and the other targets the protein of interest. Utilizing the intracellular ubiquitin-proteasome system, PROTACs selectively degrade these target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5365 mL	7.6825 mL	15.365 mL
5 mM	0.3073 mL	1.5365 mL	3.073 mL
10 mM	0.1536 mL	0.7682 mL	1.5365 mL
50 mM	0.0307 mL	0.1536 mL	0.3073 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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