

Biotin-PEG23-azide

Chemical Properties

CAS No. :

Formula: C₅₈H₁₁₂N₆O₂₅S

Molecular Weight: 1325.6

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-PEG23-azide is a PEG-based linker for PROTACs, facilitating the connection of two essential ligands necessary for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together; one targets an E3 ubiquitin ligase and the other targets the desired protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs are able to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7544 mL	3.7719 mL	7.5438 mL
5 mM	0.1509 mL	0.7544 mL	1.5088 mL
10 mM	0.0754 mL	0.3772 mL	0.7544 mL
50 mM	0.0151 mL	0.0754 mL	0.1509 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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