

DBCO-NHCO-PEG2-Biotin

Chemical Properties

CAS No. :

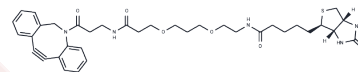
Formula: C₃₆H₄₅N₅O₆S

Molecular Weight: 675.84

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	DBCO-NHCO-PEG2-Biotin is a PEG-based linker for PROTACs, facilitating the formation of PROTAC molecules by joining two essential ligands. This linker enables selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins by combining two distinct ligands through a linker: one ligand targets an E3 ubiquitin ligase, and the other binds to the target protein [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4796 mL	7.3982 mL	14.7964 mL
5 mM	0.2959 mL	1.4796 mL	2.9593 mL
10 mM	0.148 mL	0.7398 mL	1.4796 mL
50 mM	0.0296 mL	0.148 mL	0.2959 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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