

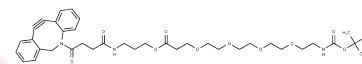
DBCO-C3-PEG4-NH-Boc

Chemical Properties

CAS No. :

Formula: C₃₈H₅₁N₃O₁₀

Molecular Weight: 709.83



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-C3-PEG4-NH-Boc is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules, enabling selective protein degradation by leveraging 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 containing two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase and the other targets the specific protein.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4088 mL	7.0439 mL	14.0879 mL
5 mM	0.2818 mL	1.4088 mL	2.8176 mL
10 mM	0.1409 mL	0.7044 mL	1.4088 mL
50 mM	0.0282 mL	0.1409 mL	0.2818 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481