

DBCO-PEG6-amine

Chemical Properties

CAS No. : 2353409-98-8

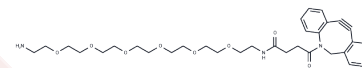
Formula: C33H45N3O8

Molecular Weight: 611.73

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-PEG6-amine is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules [DBCO-PEG6-amine]. It enables selective protein degradation by utilizing 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 binds to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade specific proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6347 mL	8.1735 mL	16.3471 mL
5 mM	0.3269 mL	1.6347 mL	3.2694 mL
10 mM	0.1635 mL	0.8174 mL	1.6347 mL
50 mM	0.0327 mL	0.1635 mL	0.3269 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