Data Sheet (Cat.No.T15070)



DBCO-PEG4-C2-acid

Chemical Properties

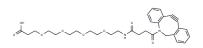
CAS No.: 1537170-85-6

Formula: C30H36N2O8

Molecular Weight: 552.62

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DBCO-PEG4-C2-acid is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg	
1 mM	1.8096 mL	9.0478 mL	18.0956 mL	
5 mM	0.3619 mL	1.8096 mL	3.6191 mL	
10 mM	0.181 mL	0.9048 mL	1.8096 mL	
50 mM	0.0362 mL	0.181 mL	0.3619 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.

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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