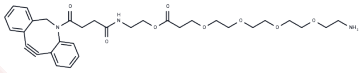
Data Sheet (Cat.No.T17744)

TargetMol

DBCO-C2-PEG4-amine

Chemical Properties



CAS No. :

Formula: C32H41N3O8

Molecular Weight: 595.68

Storage: Keep away from direct sunlight
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-C2-PEG4-amine, a PEG-based linker for PROTACs, connects two essential ligands necessary for forming PROTAC molecules. This linker facilitates selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands joined by a linker: one binds an E3 ubiquitin ligase, while the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6788 mL	8.3938 mL	16.7875 mL
5 mM	0.3358 mL	1.6788 mL	3.3575 mL
10 mM	0.1679 mL	0.8394 mL	1.6788 mL
50 mM	0.0336 mL	0.1679 mL	0.3358 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

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