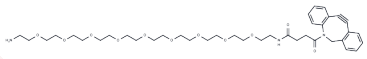
Data Sheet (Cat.No.T17808)

TargetMol

DBCO-PEG9-amine

Chemical Properties



CAS No. : 2353409-99-9

Formula: C39H57N3O11

Molecular Weight: 743.88

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-PEG9-amine is a PEG-based linker for PROTACs, joining 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 consist of two ligands connected by a linker: one binding to an E3 ubiquitin ligase, and the other to the target protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3443 mL	6.7215 mL	13.443 mL
5 mM	0.2689 mL	1.3443 mL	2.6886 mL
10 mM	0.1344 mL	0.6722 mL	1.3443 mL
50 mM	0.0269 mL	0.1344 mL	0.2689 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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