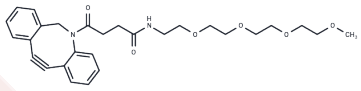
Data Sheet (Cat.No.T18200)

TargetMol

m-PEG4-NH-DBCO

Chemical Properties



CAS No. : 2228857-36-9

Formula: C28H34N2O6

Molecular Weight: 494.58

Appearance:

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

Biological Description

Description	m-PEG4-NH-DBCO is a PEG-based linker for PROTACs that connects two essential ligands, critical for forming PROTAC molecules, and facilitates selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others
In vitro	PROTACs consist of two ligands connected by a linker, one targeting an E3 ubiquitin ligase and the other the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0219 mL	10.1096 mL	20.2192 mL
5 mM	0.4044 mL	2.0219 mL	4.0438 mL
10 mM	0.2022 mL	1.011 mL	2.0219 mL
50 mM	0.0404 mL	0.2022 mL	0.4044 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

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