Data Sheet (Cat.No.T14758)



Boc-NH-PEG8-propargyl

Chemical Properties

CAS No.: 2183440-31-3 Formula: C24H45NO10

Molecular Weight: 507.61

Appearance: no data available

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

Biological Description

Description	Boc-NH-PEG8-propargyl 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	1.970 mL	9.8501 mL	19.7002 mL	
5 mM	0.394 mL	1.970 mL	3.940 mL	
10 mM	0.197 mL	0.985 mL	1.970 mL	
50 mM	0.0394 mL	0.197 mL	0.394 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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