Data Sheet (Cat.No.T17673)

TargetMol

Boc-NH-PEG23-CH2CH2N3

Chemical Properties

CAS No. :

Formula: C53H106N4O25

Molecular Weight: 1199.42

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	Boc-NH-PEG23-CH2CH2N3 is a PEG-based linker used in PROTACs to connect two vital ligands necessary for forming PROTAC molecules, facilitating selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands joined by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the desired protein. PROTACs leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8337 mL	4.1687 mL	8.3374 mL
5 mM	0.1667 mL	0.8337 mL	1.6675 mL
10 mM	0.0834 mL	0.4169 mL	0.8337 mL
50 mM	0.0167 mL	0.0834 mL	0.1667 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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