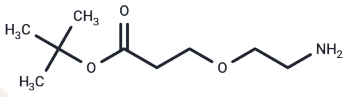
Data Sheet (Cat.No.T16310)

TargetMol

NH2-PEG1-CH2CH2-Boc

Chemical Properties



CAS No. : 1260092-46-3

Formula: C9H19NO3

Molecular Weight: 189.25

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	NH2-PEG1-CH2CH2-Boc is a polyethylene glycol (PEG) and alkyl/ether-based proteolysis targeting chimeric (PROTAC) linker, frequently used in PROTAC synthesis[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two ligands joined by a linker: one targets an E3 ubiquitin ligase and the other the desired protein, leveraging the intracellular ubiquitin-proteasome system to selectively degrade target proteins [PROTACs].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.284 mL	26.4201 mL	52.8402 mL
5 mM	1.0568 mL	5.284 mL	10.568 mL
10 mM	0.5284 mL	2.642 mL	5.284 mL
50 mM	0.1057 mL	0.5284 mL	1.0568 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

Qiu X, et al. Chemoselective Synthesis of Lenalidomide-Based PROTAC Library Using Alkylation Reaction. Org Lett. 2019 May 17;21(10):3838-3841.

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