

Boc-NH-PEG5-CH₂CH₂COOH

Chemical Properties

CAS No. : 1347750-78-0

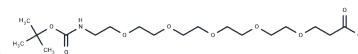
Formula: C₁₈H₃₅N₉O

Molecular Weight: 409.47

Keep away from direct sunlight

Storage: 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-PEG5-CH ₂ CH ₂ COOH is a PEG-based linker for PROTACs, facilitating the conjugation of two essential ligands necessary for PROTAC molecule formation, thereby enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one targets an E3 ubiquitin ligase and the other targets the [protein]. They harness the intracellular ubiquitin-proteasome system to selectively degrade these [proteins].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4422 mL	12.2109 mL	24.4218 mL
5 mM	0.4884 mL	2.4422 mL	4.8844 mL
10 mM	0.2442 mL	1.2211 mL	2.4422 mL
50 mM	0.0488 mL	0.2442 mL	0.4884 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

Nathanael Gray, et al. Bifunctional compounds for her3 degradation and methods of use. WO2017117474A1.

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