

Boc-NH-PEG5-CH₂CH₂COOH

Chemical Properties

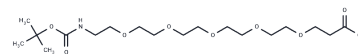
CAS No. : 1347750-78-0

Formula: C₁₈H₃₅N₁O₉

Molecular Weight: 409.47

Appearance: no data available

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



Biological Description

Description	Boc-NH-PEG5-CH ₂ CH ₂ COOH 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.

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.

Reference

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

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