

Boc-NH-PEG12-NH2

Chemical Properties

CAS No. : 1642551-09-4

Formula: C31H64N2O14

Molecular Weight: 688.84

Keep away from direct sunlight

Storage: Pure form: -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-PEG12-NH2 (NHBoc-PEG12-amine) is a PEG-based PROTAC linker that can be used in PROTAC synthesis.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs comprise two ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other targets the specific protein. These compounds leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4517 mL	7.2586 mL	14.5172 mL
5 mM	0.2903 mL	1.4517 mL	2.9034 mL
10 mM	0.1452 mL	0.7259 mL	1.4517 mL
50 mM	0.029 mL	0.1452 mL	0.2903 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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