

N-Boc-N-bis(PEG4-acid)

Chemical Properties

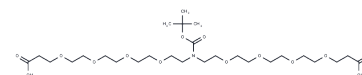
CAS No. : 2093152-88-4

Formula: C₂₇H₅₁N₀O₁₄

Molecular Weight: 613.69

Appearance: no data available

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



Biological Description

Description	N-Boc-N-bis(PEG4-acid) 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[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6295 mL	8.1474 mL	16.2949 mL
5 mM	0.3259 mL	1.6295 mL	3.259 mL
10 mM	0.1629 mL	0.8147 mL	1.6295 mL
50 mM	0.0326 mL	0.1629 mL	0.3259 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

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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