

N,N'-DME-N-PEG2-Boc

Chemical Properties

CAS No. : 2279944-69-1

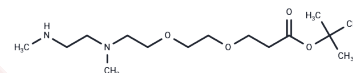
Formula: C15H32N2O4

Molecular Weight: 304.43

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	'N,N'-DME-N-PEG2-Boc is a PEG-based linker used in the formation of PROTAC molecules by connecting two essential ligands. This linker facilitates 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 ligand targets an E3 ubiquitin ligase, and the other targets the protein of interest. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2848 mL	16.4241 mL	32.8483 mL
5 mM	0.657 mL	3.2848 mL	6.5697 mL
10 mM	0.3285 mL	1.6424 mL	3.2848 mL
50 mM	0.0657 mL	0.3285 mL	0.657 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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