

Bromo-PEG3-CH2-Boc

Chemical Properties

CAS No. : 2100306-71-4

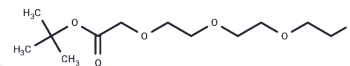
Formula: C₁₂H₂₃BrO₅

Molecular Weight: 327.21

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	Bromo-PEG3-CH2-Boc is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules, enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one targets an E3 ubiquitin ligase, and the other binds to the target protein. They utilize the intracellular ubiquitin-proteasome system for selective degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0561 mL	15.2807 mL	30.5614 mL
5 mM	0.6112 mL	3.0561 mL	6.1123 mL
10 mM	0.3056 mL	1.5281 mL	3.0561 mL
50 mM	0.0611 mL	0.3056 mL	0.6112 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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