

Bromo-PEG5-Boc

Chemical Properties

CAS No. : 1415800-38-2

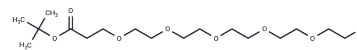
Formula: C17H33BrO7

Molecular Weight: 429.34

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-PEG5-Boc, a PEG-based linker for PROTACs, facilitates the connection of two essential ligands necessary for forming PROTAC molecules, thereby enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3292 mL	11.6458 mL	23.2916 mL
5 mM	0.4658 mL	2.3292 mL	4.6583 mL
10 mM	0.2329 mL	1.1646 mL	2.3292 mL
50 mM	0.0466 mL	0.2329 mL	0.4658 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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