

Bromo-PEG2-C2-Boc

Chemical Properties

CAS No. : 1381861-91-1

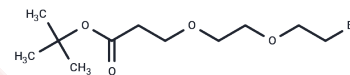
Formula: C₁₁H₂₁BrO₄

Molecular Weight: 297.19

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-PEG2-C2-Boc is a PEG-based linker for PROTACs that joins two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, consisting of two ligands connected by a linker—one binding to an E3 ubiquitin ligase and the other to the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3649 mL	16.8243 mL	33.6485 mL
5 mM	0.673 mL	3.3649 mL	6.7297 mL
10 mM	0.3365 mL	1.6824 mL	3.3649 mL
50 mM	0.0673 mL	0.3365 mL	0.673 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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