

## Benzyl-PEG2-CH2-Boc

## Chemical Properties

CAS No. : 1643957-26-9

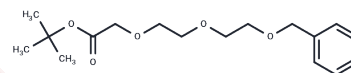
Formula: C17H26O5

Molecular Weight: 310.39

Storage: Keep away from direct sunlight

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	Benzyl-PEG2-CH2-Boc is a PEG-based linker for PROTACs, facilitating the conjugation of two essential ligands necessary for PROTAC molecule formation. This linker promotes selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one ligand binds to an E3 ubiquitin ligase while the other targets specific proteins. They exploit the intracellular ubiquitin-proteasome system to selectively degrade these target proteins.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2218 mL	16.1088 mL	32.2175 mL
5 mM	0.6444 mL	3.2218 mL	6.4435 mL
10 mM	0.3222 mL	1.6109 mL	3.2218 mL
50 mM	0.0644 mL	0.3222 mL	0.6444 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

Ottis P, et al. Assessing Different E3 Ligases for Small Molecule Induced Protein Ubiquitination and Degradation. ACS Chem Biol. 2017 Oct 20;12(10):2570-2578.

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