

CbzNH-PEG4-CH<sub>2</sub>COOH

## Chemical Properties

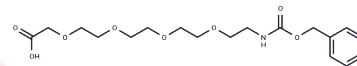
CAS No. : 1451362-51-8

Formula: C<sub>18</sub>H<sub>27</sub>N<sub>1</sub>O<sub>8</sub>

Molecular Weight: 385.409

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	CbzNH-PEG4-CH <sub>2</sub> COOH is a PEG linker featuring a carboxylic acid (CO <sub>2</sub> H) group and a benzyloxycarbonyl (Cbz) protecting group. The hydrophilic PEG spacer enhances the compound's solubility in aqueous media. In the presence of activators such as HATU, the terminal carboxylic acid can react with primary amine groups to form stable amide bonds. The benzyloxycarbonyl protecting group can be removed through hydrogenolysis to yield a free amine.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5946 mL	12.9732 mL	25.9464 mL
5 mM	0.5189 mL	2.5946 mL	5.1893 mL
10 mM	0.2595 mL	1.2973 mL	2.5946 mL
50 mM	0.0519 mL	0.2595 mL	0.5189 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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