

Br-PEG3-CH<sub>2</sub>COOH

## Chemical Properties

CAS No. : 1346502-15-5

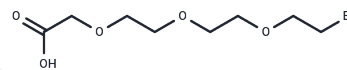
Formula: C<sub>8</sub>H<sub>15</sub>BrO<sub>5</sub>

Molecular Weight: 271.11

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	Br-PEG3-CH <sub>2</sub> COOH is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together, one binding to an E3 ubiquitin ligase and the other to the target protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6885 mL	18.4427 mL	36.8854 mL
5 mM	0.7377 mL	3.6885 mL	7.3771 mL
10 mM	0.3689 mL	1.8443 mL	3.6885 mL
50 mM	0.0738 mL	0.3689 mL	0.7377 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

Zha Z, et al. Multidentate (18)F-polypegylated styrylpyridines as imaging agents for A $\beta$  plaques in cerebral amyloid angiopathy (CAA). J Med Chem. 2011 Dec 8;54(23):8085-98.

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