

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

## Chemical Properties

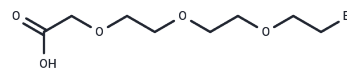
CAS No. : 1346502-15-5

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

Molecular Weight: 271.11

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## 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(IC <sub>50</sub> ) | Others                                                                                                                                                                                                                                                 |
| In vitro                   | PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit 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.

## Reference

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

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481