

Tos-PEG5-Boc

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 581065-94-3 |
| Formula: | C22H36O9S |
| Molecular Weight: | 476.581 |
| Storage: | Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |

Biological Description

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|---------------|---|
| Description | Tos-PEG5-Boc is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of 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 distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the protein of interest. By harnessing the intracellular ubiquitin-proteasome system, PROTACs facilitate the selective degradation of target proteins[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0983 mL | 10.4914 mL | 20.9828 mL |
| 5 mM | 0.4197 mL | 2.0983 mL | 4.1966 mL |
| 10 mM | 0.2098 mL | 1.0491 mL | 2.0983 mL |
| 50 mM | 0.042 mL | 0.2098 mL | 0.4197 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

Snaebjornsson MT, et al. Non-canonical functions of enzymes facilitate cross-talk between cell metabolic and regulatory pathways. *Exp Mol Med.* 2018 Apr 16;50(4):34.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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