

Tos-PEG1-CH2-Boc

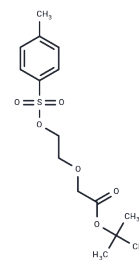
Chemical Properties

CAS No. : 1643957-24-7

Formula: C₁₅H₂₂O₆S

Molecular Weight: 330.4

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	Tos-PEG1-CH2-Boc is a PEG-based linker for PROTACs that joins two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation via 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, and the other binds to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0266 mL	15.1332 mL	30.2663 mL
5 mM	0.6053 mL	3.0266 mL	6.0533 mL
10 mM	0.3027 mL	1.5133 mL	3.0266 mL
50 mM	0.0605 mL	0.3027 mL	0.6053 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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