

Tos-PEG2-Boc

Chemical Properties

CAS No. :	1309666-78-1
Formula:	C16H24O6S
Molecular Weight:	344.423
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

Description	Tos-PEG2-Boc is a PEG-based linker for PROTACs, joining 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 connected by a linker: one binds to an E3 ubiquitin ligase, and the other to the target protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs achieve selective degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9034 mL	14.5172 mL	29.0343 mL
5 mM	0.5807 mL	2.9034 mL	5.8069 mL
10 mM	0.2903 mL	1.4517 mL	2.9034 mL
50 mM	0.0581 mL	0.2903 mL	0.5807 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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