

Tos-PEG4-CH2-Boc

Chemical Properties

CAS No. :	169751-73-9
Formula:	C ₂₁ H ₃₄ O ₉ S
Molecular Weight:	462.554
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-PEG4-CH2-Boc is a PEG-based linker for PROTACs, facilitating the conjugation of two essential ligands critical for the formation of PROTAC molecules, thereby enabling selective protein degradation via 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. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1619 mL	10.8096 mL	21.6193 mL
5 mM	0.4324 mL	2.1619 mL	4.3239 mL
10 mM	0.2162 mL	1.081 mL	2.1619 mL
50 mM	0.0432 mL	0.2162 mL	0.4324 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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