

N-Benzyl-N-bis-PEG2

Chemical Properties

CAS No. :	119580-47-1
Formula:	C15H25NO4
Molecular Weight:	283.36
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	N-Benzyl-N-bis-PEG2 is a PEG-based linker for PROTAC systems that connects two functional ligands required for PROTAC assembly. N-Benzyl-N-bis-PEG2 is utilized in chemical biology research focused on targeted protein degradation strategies, ubiquitin-proteasome pathway engineering, and linker architecture optimization for bifunctional molecular systems.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while 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	3.5291 mL	17.6454 mL	35.2908 mL
5 mM	0.7058 mL	3.5291 mL	7.0582 mL
10 mM	0.3529 mL	1.7645 mL	3.5291 mL
50 mM	0.0706 mL	0.3529 mL	0.7058 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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