

Amino-PEG4-alcohol

Chemical Properties

CAS No. : 86770-74-3

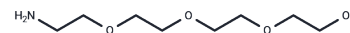
Formula: C₈H₁₉NO₄

Molecular Weight: 193.24

Keep away from direct sunlight

Storage: 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	Amino-PEG4-alcohol is a PEG-based PROTAC linker used for synthesizing PROTACs[1] and a non-cleavable 4-unit PEG ADC linker for synthesizing antibody-drug conjugates (ADCs)[2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	PROTACs, or proteolysis-targeting chimeras, are composed of two distinct ligands joined by a linker. One of these ligands binds to a specific protein target, while the other binds to an E3 ubiquitin ligase. When the PROTAC binds to both the target protein and the E3 ligase, it triggers the ubiquitin-proteasome system within cells to degrade the target protein, thereby providing a mechanism for targeted protein degradation.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1749 mL	25.8746 mL	51.7491 mL
5 mM	1.035 mL	5.1749 mL	10.3498 mL
10 mM	0.5175 mL	2.5875 mL	5.1749 mL
50 mM	0.1035 mL	0.5175 mL	1.035 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

Nello Mainolfi, et al. Protein degraders and uses thereof. WO2019060742A1.

Miller MA, et al. Modular Nanoparticulate Prodrug Design Enables Efficient Treatment of Solid Tumors Using Bioorthogonal Activation. ACS Nano. 2018 Dec 26;12(12):12814-12826.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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