

Propargyl-PEG2-NHBoc

Chemical Properties

CAS No. : 869310-84-9

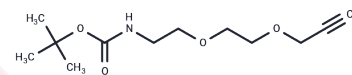
Formula: C₁₂H₂₁NO₄

Molecular Weight: 243.3

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	Propargyl-PEG2-NHBoc is a cleavable ADC linker used for creating antibody-drug conjugates (ADCs). Additionally, this PEG-based PROTAC linker is promising for synthesizing PROTACs[1].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs, or antibody-drug conjugates, consist of an antibody that is linked to a cytotoxic drug molecule via a specialized linker. This allows the antibody to specifically target certain cells or proteins, while the attached cytotoxin can selectively destroy those targeted cells. 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 E5 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	4.1102 mL	20.5508 mL	41.1015 mL
5 mM	0.822 mL	4.1102 mL	8.2203 mL
10 mM	0.411 mL	2.0551 mL	4.1102 mL
50 mM	0.0822 mL	0.411 mL	0.822 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. rak degraders and uses thereof. US20190192668A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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