

N3-PEG3-CH₂CH₂COOH

Chemical Properties

CAS No. : 1056024-94-2

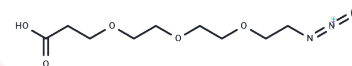
Formula: C₉H₁₇N₃O₅

Molecular Weight: 247.2484

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	N3-PEG3-CH ₂ CH ₂ COOH, a PEG-based PROTAC linker, is utilized in the synthesis of BI-3663, BI-4216, and BI-0319. Additionally, Azido-PEG3-acid, a non-cleavable 3-unit PEG ADC linker, is employed in the synthesis of antibody-drug conjugates (ADCs).
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	PROTACs, composed of two distinct ligands linked together—one binding an E3 ubiquitin ligase and the other targeting a specific protein—utilize the intracellular ubiquitin-proteasome system for selective protein degradation. ADCs consist of an antibody conjugated to a cytotoxin via an ADC linker for targeted cytotoxicity.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0445 mL	20.2224 mL	40.4449 mL
5 mM	0.8089 mL	4.0445 mL	8.089 mL
10 mM	0.4044 mL	2.0222 mL	4.0445 mL
50 mM	0.0809 mL	0.4044 mL	0.8089 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

Popow J, et al. Highly Selective PTK2 Proteolysis Targeting Chimeras to Probe Focal Adhesion Kinase Scaffolding Functions. J Med Chem. 2019 Mar 14;62(5):2508-2520.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481