

## Aminoxy-PEG2-azide

## Chemical Properties

CAS No. : 1043426-13-6

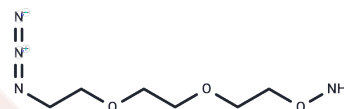
Formula: C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 190.2

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	Aminoxy-PEG2-azide, a PEG-based PROTAC linker, is utilized for the synthesis of PROTACs[1] and serves as a non-cleavable 2-unit PEG ADC linker in the synthesis of antibody-drug conjugates (ADCs)[2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	PROTACs contain two different ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein, utilizing the intracellular ubiquitin-proteasome system for selective protein degradation[1]. ADCs are composed of an antibody linked to an ADC cytotoxin via an ADC linker[2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2576 mL	26.2881 mL	52.5762 mL
5 mM	1.0515 mL	5.2576 mL	10.5152 mL
10 mM	0.5258 mL	2.6288 mL	5.2576 mL
50 mM	0.1052 mL	0.5258 mL	1.0515 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

H. Tetsuo Uyeda, et al. Synthesis of surface ligands to prepare hydrophilic and biologically compatible quantum dots. doi: 10.1117/12.590494.

Song, Ho Young, et al. Pyrrolbenzodiazepine dimer precursor and ligand-linker conjugate compound thereof.

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