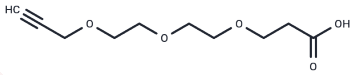
Data Sheet (Cat.No.T16605)

TargetMol

Propargyl-PEG3-acid

Chemical Properties



CAS No. : 1347760-82-0

Formula: C10H16O5

Molecular Weight: 216.23

Storage: Keep away from direct sunlight
Pure form: -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-PEG3-acid is a non-cleavable (3-unit PEG) ADC linker and a PEG-based PROTAC linker, used to synthesize 6-OHDA-PEG3-yne, a compound containing 6-OHDA and Propargyl-PEG3-acid[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 E6 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	4.6247 mL	23.1235 mL	46.2471 mL
5 mM	0.9249 mL	4.6247 mL	9.2494 mL
10 mM	0.4625 mL	2.3124 mL	4.6247 mL
50 mM	0.0925 mL	0.4625 mL	0.9249 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

Farzam A, et al. A functionalized hydroxydopamine quinone links thiol modification to neuronal cell death. Redox Biol. 2020 Jan;28:101377.

Albone, Earl F, et al. ERIBULIN-BASED ANTIBODY-DRUG CONJUGATES AND METHODS OF USE. Patent. 20170252458.

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