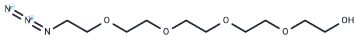
Data Sheet (Cat.No.T14456)

TargetMol

Azido-PEG5-alcohol

Chemical Properties



CAS No. : 86770-68-5

Formula: C10H21N3O5

Molecular Weight: 263.29

Storage: Keep away from direct sunlight
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	Azido-PEG5-alcohol, a non-cleavable 5 unit polyethylene glycol (PEG) ADC linker, finds application in the synthesis of antibody-drug conjugates (ADCs)[1]. Additionally, it serves as a PEG-based PROTAC linker for the synthesis of PROTACs[2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody linked to an ADC cytotoxin via an ADC linker[1]. PROTACs contain two ligands connected by a linker, one for an E3 ubiquitin ligase and the other for the target protein, utilizing the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7981 mL	18.9905 mL	37.9809 mL
5 mM	0.7596 mL	3.7981 mL	7.5962 mL
10 mM	0.3798 mL	1.899 mL	3.7981 mL
50 mM	0.076 mL	0.3798 mL	0.7596 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

Zhang FL, et al. Molecular-target-based anticancer photosensitizer: synthesis and in vitro photodynamic activity of erlotinib-zinc(II) phthalocyanine conjugates. ChemMedChem. 2015 Feb;10(2):312-20.
Nan JI, et al. Mertk degraders and uses thereof. WO2020010210A1.

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