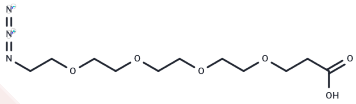
Data Sheet (Cat.No.T14445)

TargetMol

Azido-PEG4-C2-acid

Chemical Properties



CAS No. : 1257063-35-6

Formula: C11H21N3O6

Molecular Weight: 291.3

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-PEG4-C2-acid, a PEG-based PROTAC linker, is utilized in the synthesis of vRucaparib-TP4. It serves as a non-cleavable 4 unit PEG ADC linker for antibody-drug conjugate (ADC) synthesis.
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase and the other targets the protein of interest, harnessing the ubiquitin-proteasome system for selective protein degradation. ADCs (antibody-drug conjugates) are composed of an antibody attached to an ADC cytotoxin via an ADC linker.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4329 mL	17.1644 mL	34.3289 mL
5 mM	0.6866 mL	3.4329 mL	6.8658 mL
10 mM	0.3433 mL	1.7164 mL	3.4329 mL
50 mM	0.0687 mL	0.3433 mL	0.6866 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

Wang S, et al. Uncoupling of PARP1 trapping and inhibition using selective PARP1 degradation. Nat Chem Biol. 2019 Dec;15(12):1223-1231.

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