

Propargyl-PEG3-phosphonic acid

Chemical Properties

CAS No. : 1714139-62-4

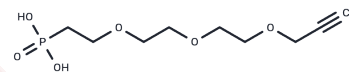
Formula: C₉H₁₇O₆P

Molecular Weight: 252.2

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	Propargyl-PEG3-phosphonic acid, a PEG-based PROTAC linker, is utilized for PROTAC synthesis[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands joined by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the protein of interest. They leverage the intracellular ubiquitin-proteasome system to selectively degrade these target proteins.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9651 mL	19.8255 mL	39.6511 mL
5 mM	0.793 mL	3.9651 mL	7.9302 mL
10 mM	0.3965 mL	1.9826 mL	3.9651 mL
50 mM	0.0793 mL	0.3965 mL	0.793 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

Thorsten Heidelberg, et al. Oligo-ethylene glycol based phosphonate surface modification reagents and use thereof. WO2015065168A1.

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