

Propargyl-PEG5-1-o-(b-cyanoethyl-n,n-diisopropyl)phosphoramidite

Chemical Properties

CAS No. : 1682657-14-2

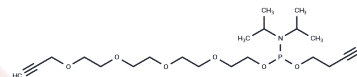
Formula: C₂₀H₃₇N₂O₆P

Molecular Weight: 432.498

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-PEG5-1-o-b-cyanoethyl-nn-diisopropylphosphoramidite is a polyethylene glycol (PEG)-based linker molecule designed for synthesizing proteolysis-targeting chimeras (PROTACs).
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands joined by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the protein of interest. They leverage the intracellular ubiquitin-proteasome system for selective degradation of target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3121 mL	11.5607 mL	23.1214 mL
5 mM	0.4624 mL	2.3121 mL	4.6243 mL
10 mM	0.2312 mL	1.1561 mL	2.3121 mL
50 mM	0.0462 mL	0.2312 mL	0.4624 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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