

## Propargyl-PEG3-phosphonic acid diethyl ester

## Chemical Properties

CAS No. : 1052678-30-4

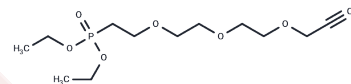
Formula: C<sub>13</sub>H<sub>25</sub>O<sub>6</sub>P

Molecular Weight: 308.31

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 diethyl ester, a PEG-based PROTAC linker, is employed for the synthesis of PROTACs[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker: one targets an E3 ubiquitin ligase, and the other binds to the target protein. They utilize the [intracellular ubiquitin-proteasome system] to selectively degrade specific proteins.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2435 mL	16.2174 mL	32.4349 mL
5 mM	0.6487 mL	3.2435 mL	6.487 mL
10 mM	0.3243 mL	1.6217 mL	3.2435 mL
50 mM	0.0649 mL	0.3243 mL	0.6487 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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