

Carboxy-PEG4-phosphonic acid ethyl ester

Chemical Properties

CAS No. : 1964503-39-6

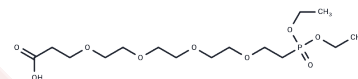
Formula: C15H31O9P

Molecular Weight: 386.38

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	Carboxy-PEG4-phosphonic acid ethyl ester is a PEG-based PROTAC linker used in the synthesis of PROTACs, serving as an integral compound [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are composed of two distinct ligands linked together: one targets an E3 ubiquitin ligase and the other binds to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5881 mL	12.9406 mL	25.8813 mL
5 mM	0.5176 mL	2.5881 mL	5.1763 mL
10 mM	0.2588 mL	1.2941 mL	2.5881 mL
50 mM	0.0518 mL	0.2588 mL	0.5176 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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