

Carboxy-PEG4-phosphonic acid

Chemical Properties

CAS No. : 1623791-69-4

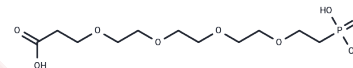
Formula: C11H23O9P

Molecular Weight: 330.27

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, a polyethylene glycol (PEG)-derived linker, is utilized in the synthesis of Proteolysis Targeting Chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two ligands connected by a linker—one targeting an E3 ubiquitin ligase and the other the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0278 mL	15.1391 mL	30.2783 mL
5 mM	0.6056 mL	3.0278 mL	6.0557 mL
10 mM	0.3028 mL	1.5139 mL	3.0278 mL
50 mM	0.0606 mL	0.3028 mL	0.6056 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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