

PEG3-bis(phosphonic acid diethyl ester)

Chemical Properties

CAS No. : 1807539-03-2

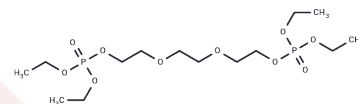
Formula: C14H32O10P2

Molecular Weight: 422.35

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	PEG3-bis(phosphonic acid diethyl ester) is a polyethylene glycol (PEG) derivative linker designed for use in the synthesis of proteolysis targeting chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker; one ligand targets an E3 ubiquitin ligase, while the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3677 mL	11.8385 mL	23.677 mL
5 mM	0.4735 mL	2.3677 mL	4.7354 mL
10 mM	0.2368 mL	1.1839 mL	2.3677 mL
50 mM	0.0474 mL	0.2368 mL	0.4735 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

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