

m-PEG8-(CH₂)₁₂-phosphonic acid ethyl ester

Chemical Properties

CAS No. : 2112737-70-7

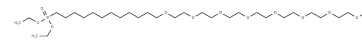
Formula: C₃₁H₆₅O₁₁P

Molecular Weight: 644.82

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	m-PEG8-(CH ₂) ₁₂ -phosphonic acid ethyl ester is a polyethylene glycol (PEG)-based PROTAC linker, ideal for synthesizing PROTAC compounds[1].
Targets(IC ₅₀)	Others,PROTAC Linker
In vitro	PROTACs contain two ligands connected by a linker: one ligand binds to an E3 ubiquitin ligase, and the other targets a specific protein. PROTACs leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5508 mL	7.7541 mL	15.5082 mL
5 mM	0.3102 mL	1.5508 mL	3.1016 mL
10 mM	0.1551 mL	0.7754 mL	1.5508 mL
50 mM	0.031 mL	0.1551 mL	0.3102 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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