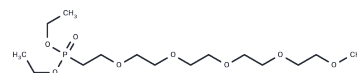


m-PEG5-phosphonic acid ethyl ester

Chemical Properties

CAS No. :	1807512-42-0
Formula:	C15H33O8P
Molecular Weight:	372.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	m-PEG5-phosphonic acid ethyl ester is a polyethylene glycol (PEG)-derived linker commonly employed in the construction of proteolysis targeting chimeras (PROTACs)[1].
Targets(IC50)	Others
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6854 mL	13.4268 mL	26.8536 mL
5 mM	0.5371 mL	2.6854 mL	5.3707 mL
10 mM	0.2685 mL	1.3427 mL	2.6854 mL
50 mM	0.0537 mL	0.2685 mL	0.5371 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.

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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