Data Sheet (Cat.No.T16454)



PEG3-bis-(ethyl phosphonate)

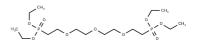
Chemical Properties

CAS No.: 160625-24-1 Formula: C16H36O9P2

Molecular Weight: 434.4

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	PEG3-bis-(ethyl phosphonate), a polyethylene glycol (PEG)-based PROTAC linker, exhibits great potential in PROTAC synthesis[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	2.302 mL	11.5101 mL	23.0203 mL	
5 mM	0.4604 mL	2.302 mL	4.6041 mL	
10 mM	0.2302 mL	1.151 mL	2.302 mL	
50 mM	0.046 mL	0.2302 mL	0.4604 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

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