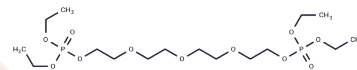


PEG4-bis(phosphonic acid diethyl ester)

Chemical Properties

CAS No. :	106338-06-1
Formula:	C16H36O11P2
Molecular Weight:	466.4
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	PEG4-bis(phosphonic acid diethyl ester) is a polyethylene glycol (PEG) derivative functioning as a linker in PROTAC synthesis, specifically designed for creating proteolysis-targeting chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked by a connector: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade these target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1441 mL	10.7204 mL	21.4408 mL
5 mM	0.4288 mL	2.1441 mL	4.2882 mL
10 mM	0.2144 mL	1.072 mL	2.1441 mL
50 mM	0.0429 mL	0.2144 mL	0.4288 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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