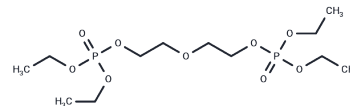


PEG2-bis(phosphonic acid diethyl ester)

Chemical Properties

CAS No. : 500347-73-9
Formula: C₁₂H₂₈O₉P₂
Molecular Weight: 378.29
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	PEG2-bis(phosphonic acid diethyl ester) is a polyethylene glycol (PEG) derivative commonly employed as a linker in proteolysis-targeting chimeras (PROTACs) 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	2.6435 mL	13.2174 mL	26.4347 mL
5 mM	0.5287 mL	2.6435 mL	5.2869 mL
10 mM	0.2643 mL	1.3217 mL	2.6435 mL
50 mM	0.0529 mL	0.2643 mL	0.5287 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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