

S-acetyl-PEG3-phosphonic acid ethyl ester

Chemical Properties

CAS No. : 2173125-29-4

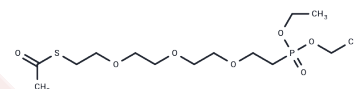
Formula: C14H29O7PS

Molecular Weight: 372.42

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	S-acetyl-PEG3-phosphonic acid ethyl ester is a polyethylene glycol (PEG)-based linker utilized in the synthesis of proteolysis-targeting chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, consisting of two ligands linked by a connector—one targeting an E3 ubiquitin ligase and the other the desired protein—utilize the ubiquitin-proteasome system within cells to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6851 mL	13.4257 mL	26.8514 mL
5 mM	0.537 mL	2.6851 mL	5.3703 mL
10 mM	0.2685 mL	1.3426 mL	2.6851 mL
50 mM	0.0537 mL	0.2685 mL	0.537 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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