

Bromo-PEG2-phosphonic acid diethyl ester

Chemical Properties

CAS No. : 1226767-94-7

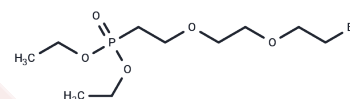
Formula: C₁₀H₂₂BrO₅P

Molecular Weight: 333.16

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	Bromo-PEG2-phosphonic acid diethyl 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 consist of two distinct ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0016 mL	15.0078 mL	30.0156 mL
5 mM	0.6003 mL	3.0016 mL	6.0031 mL
10 mM	0.3002 mL	1.5008 mL	3.0016 mL
50 mM	0.060 mL	0.3002 mL	0.6003 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

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