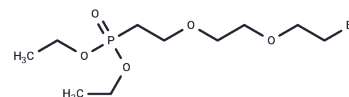


Bromo-PEG2-phosphonic acid diethyl ester

Chemical Properties

CAS No. : 1226767-94-7
Formula: C₁₀H₂₂BrO₅P
Molecular Weight: 333.16
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Bromo-PEG2-phosphonic acid diethyl ester is a polyethylene glycol (PEG)-based linker used in the synthesis of proteolysis targeting chimeras (PROTACs)[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	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.

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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