

## Bromo-PEG3-phosphonic acid diethyl ester

## Chemical Properties

CAS No. : 1148026-98-5

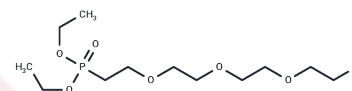
Formula: C<sub>12</sub>H<sub>26</sub>BrO<sub>6</sub>P

Molecular Weight: 377.21

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-PEG3-phosphonic acid diethyl ester is a polyethylene glycol (PEG) derivative widely used as a linker in the assembly of proteolysis targeting chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one binding to an E3 ubiquitin ligase and the other to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.651 mL	13.2552 mL	26.5104 mL
5 mM	0.5302 mL	2.651 mL	5.3021 mL
10 mM	0.2651 mL	1.3255 mL	2.651 mL
50 mM	0.053 mL	0.2651 mL	0.5302 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481