

## Bromo-PEG2-phosphonic acid

## Chemical Properties

CAS No. : 1446282-44-5

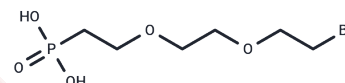
Formula: C<sub>6</sub>H<sub>14</sub>BrO<sub>5</sub>P

Molecular Weight: 277.05

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, a PEG-based PROTAC linker, is employed in PROTAC synthesis[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are bifunctional molecules comprising two ligands linked by a connector; one ligand targets an E3 ubiquitin ligase, while the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6095 mL	18.0473 mL	36.0946 mL
5 mM	0.7219 mL	3.6095 mL	7.2189 mL
10 mM	0.3609 mL	1.8047 mL	3.6095 mL
50 mM	0.0722 mL	0.3609 mL	0.7219 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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