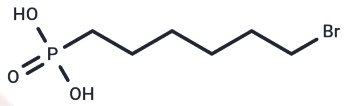
Data Sheet (Cat.No.T14056)

TargetMol

6-Bromohexylphosphonic acid

Chemical Properties



CAS No. : 133345-66-1

Formula: C6H14BrO3P

Molecular Weight: 245.05

Storage: Keep away from direct sunlight
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	6-Bromohexylphosphonic acid, an alkyl chain-based linker, is commonly used in the synthesis of PROTACs (proteolysis targeting chimeras) [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 a target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0808 mL	20.404 mL	40.808 mL
5 mM	0.8162 mL	4.0808 mL	8.1616 mL
10 mM	0.4081 mL	2.0404 mL	4.0808 mL
50 mM	0.0816 mL	0.4081 mL	0.8162 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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