Data Sheet (Cat.No.T14810)

TargetMol

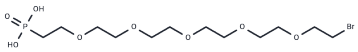
Bromo-PEG5-phosphonic acid

Chemical Properties

CAS No. : 1446282-37-6

Formula: C12H26BrO8P

Molecular Weight: 409.21



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	Bromo-PEG5-phosphonic acid serves as a PEG-based PROTAC linker for the synthesis of PROTACs[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together; one targets an E3 ubiquitin ligase, while the other binds 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	2.4437 mL	12.2187 mL	24.4373 mL
5 mM	0.4887 mL	2.4437 mL	4.8875 mL
10 mM	0.2444 mL	1.2219 mL	2.4437 mL
50 mM	0.0489 mL	0.2444 mL	0.4887 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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