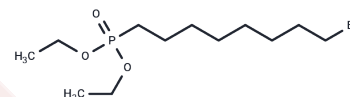


Diethyl 8-bromooctylphosphonate

Chemical Properties

CAS No. :	124939-70-4
Formula:	C ₁₂ H ₂₆ BrO ₃ P
Molecular Weight:	329.21
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Diethyl 8-bromooctylphosphonate, an alkyl chain-based linker, is utilized for synthesizing PROTACs[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one binds to an E3 ubiquitin ligase, and the other to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0376 mL	15.1879 mL	30.3757 mL
5 mM	0.6075 mL	3.0376 mL	6.0751 mL
10 mM	0.3038 mL	1.5188 mL	3.0376 mL
50 mM	0.0608 mL	0.3038 mL	0.6075 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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