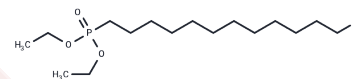


Diethyl 12-bromododecylphosphonate

Chemical Properties

CAS No. :	264231-28-9
Formula:	C ₁₆ H ₃₄ BrO ₃ P
Molecular Weight:	385.32
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 12-bromododecylphosphonate, an alkyl chain-derived PROTAC linker, is used in the synthesis of PROTACs [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprised of two distinct ligands connected by a linker—one binding an E3 ubiquitin ligase and the other targeting a specific protein—leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5952 mL	12.9762 mL	25.9525 mL
5 mM	0.519 mL	2.5952 mL	5.1905 mL
10 mM	0.2595 mL	1.2976 mL	2.5952 mL
50 mM	0.0519 mL	0.2595 mL	0.519 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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