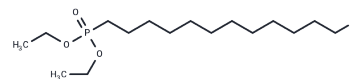


Diethyl 12-bromododecylphosphonate

Chemical Properties

CAS No. : 264231-28-9
Formula: C₁₆H₃₄BrO₃P
Molecular Weight: 385.32
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Diethyl 12-bromododecylphosphonate is an alkyl chain-derived PROTAC linker employed for the synthesis of PROTACs[1].
Targets(IC50)	Others
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit 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.

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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