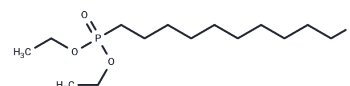


Diethyl 10-bromodecylphosphonate

Chemical Properties

CAS No. : 272785-01-0
Formula: C₁₄H₃₀BrO₃P
Molecular Weight: 357.26
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Diethyl 10-bromodecylphosphonate is an alkyl-based PROTAC linker utilized 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	2.7991 mL	13.9954 mL	27.9908 mL
5 mM	0.5598 mL	2.7991 mL	5.5982 mL
10 mM	0.2799 mL	1.3995 mL	2.7991 mL
50 mM	0.056 mL	0.2799 mL	0.5598 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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