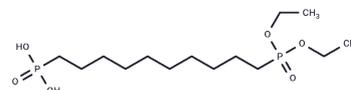


[10-(Diethoxy-phosphoryl)-decyl]-phosphonic acid

Chemical Properties

CAS No. :	1446282-24-1
Formula:	C14H32O6P2
Molecular Weight:	358.35
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	The compound [10-(diethoxy-phosphoryl)-decyl]-phosphonic acid is a suitable alkyl chain-based PROTAC linker 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	2.7906 mL	13.9528 mL	27.9057 mL
5 mM	0.5581 mL	2.7906 mL	5.5811 mL
10 mM	0.2791 mL	1.3953 mL	2.7906 mL
50 mM	0.0558 mL	0.2791 mL	0.5581 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

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