

## m-PEG6-C6-phosphonic acid ethyl ester

## Chemical Properties

CAS No. : 2028281-88-9

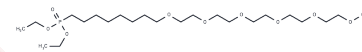
Formula: C<sub>23</sub>H<sub>49</sub>O<sub>9</sub>P

Molecular Weight: 500.6

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	m-PEG6-C6-phosphonic acid ethyl ester is a PEG-based PROTAC linker used in the synthesis of PROTACs[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together; one targets an E3 ubiquitin ligase, and the other binds to the target protein. They utilize the intracellular ubiquitin-proteasome system for selective protein degradation[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9976 mL	9.988 mL	19.976 mL
5 mM	0.3995 mL	1.9976 mL	3.9952 mL
10 mM	0.1998 mL	0.9988 mL	1.9976 mL
50 mM	0.040 mL	0.1998 mL	0.3995 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

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