

## m-PEG8-C10-phosphonic acid

## Chemical Properties

CAS No. : 2093153-86-5

Formula: C<sub>27</sub>H<sub>57</sub>O<sub>11</sub>P

Molecular Weight: 588.71



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-PEG8-C10-phosphonic acid is a PEG-based linker for PROTACs that joins two essential ligands, enabling selective protein degradation via the ubiquitin-proteasome system within cells [PROTACs].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two distinct ligands linked by a connector—one binding an E3 ubiquitin ligase and the other targeting a specific protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6986 mL	8.4931 mL	16.9863 mL
5 mM	0.3397 mL	1.6986 mL	3.3973 mL
10 mM	0.1699 mL	0.8493 mL	1.6986 mL
50 mM	0.034 mL	0.1699 mL	0.3397 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

Wang Y, et al. Degradation of proteins by PROTACs and other strategies. Acta Pharm Sin B. 2020 Feb;10(2):207-238.

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