

## SPDP-PEG5-acid

## Chemical Properties

CAS No. :

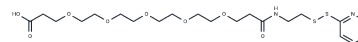
Formula: C<sub>21</sub>H<sub>34</sub>N<sub>2</sub>O<sub>8</sub>S<sub>2</sub>

Molecular Weight: 506.63

Storage: Keep away from direct sunlight

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	SPDP-PEG5-acid is a PEG-based linker for PROTACs, connecting two essential ligands and facilitating selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one targeting an E3 ubiquitin ligase and the other the desired protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9738 mL	9.8691 mL	19.7383 mL
5 mM	0.3948 mL	1.9738 mL	3.9477 mL
10 mM	0.1974 mL	0.9869 mL	1.9738 mL
50 mM	0.0395 mL	0.1974 mL	0.3948 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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