

## SPDP-PEG24-acid

## Chemical Properties

CAS No. :

Formula: C59H110N2O27S2

Molecular Weight: 1343.63

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	SPDP-PEG24-acid is a PEG-based linker for PROTACs, facilitating the conjugation of two essential ligands necessary for PROTAC molecule formation, which enables selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one binds to an E3 ubiquitin ligase, and the other to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7443 mL	3.7213 mL	7.4425 mL
5 mM	0.1489 mL	0.7443 mL	1.4885 mL
10 mM	0.0744 mL	0.3721 mL	0.7443 mL
50 mM	0.0149 mL	0.0744 mL	0.1489 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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