# Data Sheet (Cat.No.T18716)

TargetMol

## SPDP-PEG9-acid

### Chemical Properties

CAS No. :

Formula: C29H50N2O12S2

Molecular Weight: 682.84

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-PEG9-acid, a PEG-based linker for PROTACs, joins two essential ligands crucial for forming PROTAC molecules, enabling selective protein degradation by leveraging 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 targets the specific protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs facilitate the selective degradation of target proteins[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 1.4645 mL | 7.3224 mL | 14.6447 mL |
| 5 mM | 0.2929 mL | 1.4645 mL | 2.9289 mL |
| 10 mM | 0.1464 mL | 0.7322 mL | 1.4645 mL |
| 50 mM | 0.0293 mL | 0.1464 mL | 0.2929 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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