# Data Sheet (Cat.No.T17424)



#### Amino-PEG25-acid

### **Chemical Properties**

CAS No.: T17424

Formula: C53H107NO27

Molecular Weight: 1190.41

Appearance: no data available

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

## **Biological Description**

Description	Amino-PEG25-acid is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## **Preparing Stock Solutions**

	1mg	5mg	10mg	
1 mM	0.840 mL	4.2002 mL	8.4005 mL	
5 mM	0.168 mL	0.840 mL	1.6801 mL	
10 mM	0.084 mL	0.420 mL	0.840 mL	
50 mM	0.0168 mL	0.084 mL	0.168 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.

#### 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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Page 1 of 1 www.targetmol.com