# Data Sheet (Cat.No.T17414)



## Amino-PEG15-amine

Chemical Propert	ies
CAS No. :	T17414
Formula:	C32H68N2O15
Molecular Weight:	720.89
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year

## **Biological Description**

Description	Amino-PEG15-amine 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	1.3872 mL	6.9359 mL	13.8717 mL
5 mM	0.2774 mL	1.3872 mL	2.7743 mL
10 mM	0.1387 mL	0.6936 mL	1.3872 mL
50 mM	0.0277 mL	0.1387 mL	0.2774 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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