# Data Sheet (Cat.No.T17491)



## Azido-PEG16-NHS ester

Chemical Properties				
CAS No. :	T17491			
Formula:	C39H72N4O20			
Molecular Weight:	917	© ¢i		
Appearance: 🦲	no data available			
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year			

## **Biological Description**

Description	Azido-PEG16-NHS ester 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	1.0905 mL	5.4526 mL	10.9051 mL
5 mM	0.2181 mL	1.0905 mL	2.181 mL
10 mM	0.1091 mL	0.5453 mL	1.0905 mL
50 mM	0.0218 mL	0.1091 mL	0.2181 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481