# Data Sheet (Cat.No.T14600)



# Biotin-PEG4-methyltetrazine

Chemical Proper	ties
CAS No. :	1835759-81-3
Formula:	C27H39N7O6S
Molecular Weight:	589.71
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year

## **Biological Description**

Description	Biotin-PEG4-methyltetrazine is a PEG-derived linker utilized for synthesizing PROTACs[1], a type of molecule employed in targeted protein degradation.
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	1.6957 mL	8.4787 mL	16.9575 mL	
5 mM	0.3391 mL	1.6957 mL	3.3915 mL	
10 mM	0.1696 mL	0.8479 mL	1.6957 mL	
50 mM	0.0339 mL	0.1696 mL	0.3391 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