# Data Sheet (Cat.No.T15918)



#### m-PEG6-Tos

Chemical Propert	ies
CAS No. :	155887-96-0
Formula:	C20H34O9S
Molecular Weight:	450.54 e · · · · · · · · · · · · · · · · · ·
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year

## Biological Description

Description	m-PEG6-Tos 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	2.2196 mL	11.0978 mL	22.1956 mL	
5 mM	0.4439 mL	2.2196 mL	4.4391 mL	
10 mM	0.222 mL	1.1098 mL	2.2196 mL	
50 mM	0.0444 mL	0.222 mL	0.4439 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

Snaebjornsson MT, et al. Non-canonical functions of enzymes facilitate cross-talk between cell metabolic and regulatory pathways. Exp Mol Med. 2018 Apr 16;50(4):34.

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