Data Sheet (Cat.No.T17132)



Tos-PEG4-CH2COOH

	Chemical Properties
	CAS No.: 2028284-73-1
CH	Formula: C17H26O9S
	Molecular Weight: 406.45
× ~o.,	Appearance: 💦 no data available
t: -80°C for 1 year	Storage: Powder: -20°C for 3 years In
	Molecular Weight: 406.45 Appearance: no data available

Biological Description

Description	Tos-PEG4-CH2COOH 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	2.4603 mL	12.3016 mL	24.6033 mL
5 mM	0.4921 mL	2.4603 mL	4.9207 mL
10 mM	0.246 mL	1.2302 mL	2.4603 mL
50 mM	0.0492 mL	0.246 mL	0.4921 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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