

## TCO-PEG4-TCO

## Chemical Properties

CAS No. : 2243569-23-3

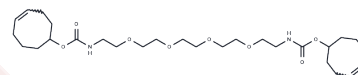
Formula: C<sub>28</sub>H<sub>48</sub>N<sub>2</sub>O<sub>8</sub>

Molecular Weight: 540.698

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	TCO-PEG4-TCO is a PEG-based linker used in PROTACs that connects two ligands critical for PROTAC molecule formation, facilitating selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other binds to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [PROTACs].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8495 mL	9.2473 mL	18.4945 mL
5 mM	0.3699 mL	1.8495 mL	3.6989 mL
10 mM	0.1849 mL	0.9247 mL	1.8495 mL
50 mM	0.037 mL	0.1849 mL	0.3699 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Wang Y, et al. Degradation of proteins by PROTACs and other strategies. Acta Pharm Sin B. 2020 Feb;10(2):207-238.

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