

TCO-PEG3-TCO

Chemical Properties

CAS No. : 2243569-22-2

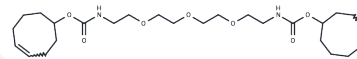
Formula: C₂₆H₄₄N₂O₇

Molecular Weight: 496.65

Store at low temperature

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-PEG3-TCO is a PEG-based linker commonly used in PROTAC development to connect two essential ligands within a single molecule. By facilitating the formation of bifunctional degraders, TCO-PEG3-TCO linker supports targeted protein degradation through the ubiquitin-proteasome system, enabling precise modulation of intracellular protein levels.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the desired protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [PROteolysis Targeting Chimeras (PROTACs)].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0135 mL	10.0675 mL	20.1349 mL
5 mM	0.4027 mL	2.0135 mL	4.027 mL
10 mM	0.2013 mL	1.0067 mL	2.0135 mL
50 mM	0.0403 mL	0.2013 mL	0.4027 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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