

(E)-TCO-PEG4-NHS ester

Chemical Properties

CAS No. : 1621096-79-4

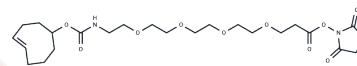
Formula: C₂₄H₃₈N₂O₁₀

Molecular Weight: 514.572

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	(E)-TCO-PEG4-NHS ester is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked by a connector, with one ligand binding to an E3 ubiquitin ligase and the other to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9434 mL	9.7169 mL	19.4337 mL
5 mM	0.3887 mL	1.9434 mL	3.8867 mL
10 mM	0.1943 mL	0.9717 mL	1.9434 mL
50 mM	0.0389 mL	0.1943 mL	0.3887 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

Nalawansa DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-1013.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481