

TCO-PEG12-TFP ester

Chemical Properties

CAS No. :

Formula: C42H67F4NO16

Molecular Weight: 917.97



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-PEG12-TFP ester is a PEG-based linker for PROTACs, joining two essential ligands crucial for forming PROTAC molecules, enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two different ligands connected by a linker: one binding to an E3 ubiquitin ligase and the other to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0894 mL	5.4468 mL	10.8936 mL
5 mM	0.2179 mL	1.0894 mL	2.1787 mL
10 mM	0.1089 mL	0.5447 mL	1.0894 mL
50 mM	0.0218 mL	0.1089 mL	0.2179 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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