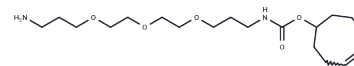


TCO-C3-PEG3-C3-amine

Chemical Properties

CAS No. :	2028288-77-7
Formula:	C19H36N2O5
Molecular Weight:	372.506
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	TCO-C3-PEG3-C3-amine 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	2.6845 mL	13.4225 mL	26.8449 mL
5 mM	0.5369 mL	2.6845 mL	5.369 mL
10 mM	0.2684 mL	1.3422 mL	2.6845 mL
50 mM	0.0537 mL	0.2684 mL	0.5369 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

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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