

TCO-PEG9-maleimide

Chemical Properties

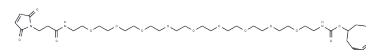
CAS No. : 2183440-37-9

Formula: C₃₆H₆₁N₃O₁₄

Molecular Weight: 759.891

Appearance: no data available

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



Biological Description

Description	TCO-PEG9-maleimide 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	1.316 mL	6.5799 mL	13.1598 mL
5 mM	0.2632 mL	1.316 mL	2.632 mL
10 mM	0.1316 mL	0.658 mL	1.316 mL
50 mM	0.0263 mL	0.1316 mL	0.2632 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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