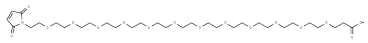
Data Sheet (Cat.No.T18270)

TargetMol
YOUR TARGET MOLECULES

Mal-PEG12-acid

Chemical Properties



CAS No. : 2445165-75-1

Formula: C31H55NO16

Molecular Weight: 697.77

Appearance: no data available

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

Biological Description

Description	Mal-PEG12-acid 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	1.4331 mL	7.1657 mL	14.3314 mL
5 mM	0.2866 mL	1.4331 mL	2.8663 mL
10 mM	0.1433 mL	0.7166 mL	1.4331 mL
50 mM	0.0287 mL	0.1433 mL	0.2866 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

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