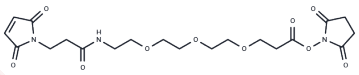
Data Sheet (Cat.No.T39451)

TargetMol

Mal-amido-PEG3-NHS ester

Chemical Properties



CAS No. : 2055353-77-8

Formula: C20H27N3O10

Molecular Weight: 469.44

Storage: Keep away from direct sunlight
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	Mal-amido-PEG3-NHS ester is a PEG-based linker for PROTACs that joins two essential ligands, which are crucial for forming PROTAC molecules. This linker facilitates selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are composed of two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the desired protein. These compounds harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1302 mL	10.651 mL	21.302 mL
5 mM	0.426 mL	2.1302 mL	4.2604 mL
10 mM	0.213 mL	1.0651 mL	2.1302 mL
50 mM	0.0426 mL	0.213 mL	0.426 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

Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27 (8):998-1014.

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