Data Sheet (Cat.No.T15981)

TargetMol®
YOUR TARGET MOLECULES

Mal-PEG2-NH2

Chemical Properties

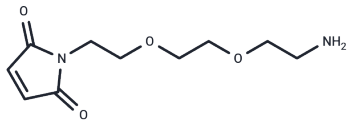
CAS No. : 660843-22-1

Formula: C10H16N2O4

Molecular Weight: 228.25

Appearance: no data available

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



Biological Description

Description	Mal-PEG2-NH2 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	4.3812 mL	21.9058 mL	43.8116 mL
5 mM	0.8762 mL	4.3812 mL	8.7623 mL
10 mM	0.4381 mL	2.1906 mL	4.3812 mL
50 mM	0.0876 mL	0.4381 mL	0.8762 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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