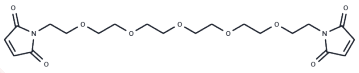
Data Sheet (Cat.No.T18296)

TargetMol

Mal-PEG5-mal

Chemical Properties



CAS No. : 113387-03-4

Formula: C20H28N2O9

Molecular Weight: 440.44

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-PEG5-mal is a PEG-based linker for PROTACs, joining two essential ligands crucial for PROTAC molecule formation and enabling 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, and the other targets the protein of interest. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2705 mL	11.3523 mL	22.7046 mL
5 mM	0.4541 mL	2.2705 mL	4.5409 mL
10 mM	0.227 mL	1.1352 mL	2.2705 mL
50 mM	0.0454 mL	0.227 mL	0.4541 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

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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481