Data Sheet (Cat.No.T18205)

TargetMol

m-PEG48-Mal

Chemical Properties

CAS No. :

Formula: C104H202N2O51

Molecular Weight: 2296.7

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	m-PEG48-Mal is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two different ligands connected by a linker—one targeting an E3 ubiquitin ligase and the other a specific protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4354 mL	2.177 mL	4.3541 mL
5 mM	0.0871 mL	0.4354 mL	0.8708 mL
10 mM	0.0435 mL	0.2177 mL	0.4354 mL
50 mM	0.0087 mL	0.0435 mL	0.0871 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

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