Data Sheet (Cat.No.T18203)

TargetMol

m-PEG48-amine

Chemical Properties

CAS No. :

Formula: C97H197NO48

Molecular Weight: 2145.6

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-amine, a PEG-based linker for PROTACs, facilitates the formation of PROTAC molecules by connecting two essential ligands. This linker enables selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs feature two distinct ligands connected by a linker: one binds an E3 ubiquitin ligase and the other targets the specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4661 mL	2.3304 mL	4.6607 mL
5 mM	0.0932 mL	0.4661 mL	0.9321 mL
10 mM	0.0466 mL	0.233 mL	0.4661 mL
50 mM	0.0093 mL	0.0466 mL	0.0932 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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