Data Sheet (Cat.No.T18204)

TargetMol

m-PEG48-Br

Chemical Properties

CAS No. :

Formula: C97H195BrO48

Molecular Weight: 2209.46

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-Br is a PEG-based linker for PROTACs [proteolysis targeting chimeras] that joins 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 consist of two ligands linked together; one binds to an E3 ubiquitin ligase, and the other to a target protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4526 mL	2.263 mL	4.526 mL
5 mM	0.0905 mL	0.4526 mL	0.9052 mL
10 mM	0.0453 mL	0.2263 mL	0.4526 mL
50 mM	0.0091 mL	0.0453 mL	0.0905 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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