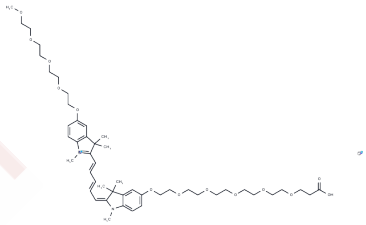
Data Sheet (Cat.No.T18447)

TargetMol

N-methyl-N'-methyl-O-(m-PEG4)-O'-(acid-PEG5)-Cy5

Chemical Properties



CAS No. :

Formula: C49H73ClN2O13

Molecular Weight: 933.56

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	N-methyl-N'-methyl-O-(m-PEG4)-O'-(acid-PEG5)-Cy5, a PEG-based PROTAC linker utilized in the synthesis of PROTACs, serves as an efficient chemical compound for protein degradation [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs utilize a linker to connect two distinct ligands: one binding to an E3 ubiquitin ligase and the other to the target protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs achieve selective degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0712 mL	5.3558 mL	10.7117 mL
5 mM	0.2142 mL	1.0712 mL	2.1423 mL
10 mM	0.1071 mL	0.5356 mL	1.0712 mL
50 mM	0.0214 mL	0.1071 mL	0.2142 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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