Data Sheet (Cat.No.T18447)

TargetMol®
YOUR TARGET MOLECULES

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

Chemical Properties

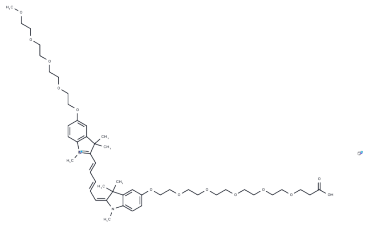
CAS No. :

Formula: C49H73ClN2O13

Molecular Weight: 933.56

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



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 a chemical compound for efficient protein degradation [1].
Targets(IC50)	Others
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade 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.

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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