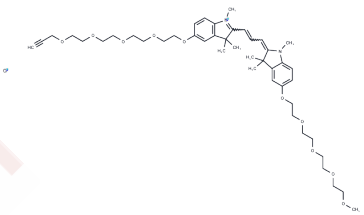
# Data Sheet (Cat.No.T18450)

TargetMol

## N-methyl-N'-methyl-O-(m-PEG4)-O'-(propargyl-PEG4)-Cy3

### Chemical Properties



CAS No. : 2107273-62-9

Formula: C45H65ClN2O10

Molecular Weight: 829.46

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 | N-methyl-N'-methyl-O-(m-PEG4)-O'-(propargyl-PEG4)-Cy3 is a polyethylene glycol (PEG)-based linker utilized in the synthesis of proteolysis targeting chimeras (PROTACs) [1]. |
| Targets(IC50) | Others,PROTAC Linker |
| In vitro | PROTACs consist of two distinct ligands linked by a connector: one ligand binds to an E3 ubiquitin ligase, and the other binds to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 1.2056 mL | 6.028 mL | 12.056 mL |
| 5 mM | 0.2411 mL | 1.2056 mL | 2.4112 mL |
| 10 mM | 0.1206 mL | 0.6028 mL | 1.2056 mL |
| 50 mM | 0.0241 mL | 0.1206 mL | 0.2411 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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