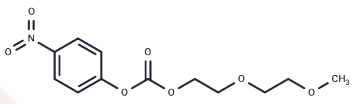
# Data Sheet (Cat.No.T15840)

TargetMol

## m-PEG2-4-nitrophenyl carbonate

### Chemical Properties



CAS No. : 105108-59-6

Formula: C12H15NO7

Molecular Weight: 285.25

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-PEG2-4-nitrophenyl carbonate, a PEG-derived linker, is utilized in PROTACs synthesis [1]. |
| Targets(IC50) | Others,PROTAC Linker |
| In vitro | PROTACs consist of two ligands linked together; one targets an E3 ubiquitin ligase, and the other targets the desired protein. These compounds leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 3.5057 mL | 17.5285 mL | 35.057 mL |
| 5 mM | 0.7011 mL | 3.5057 mL | 7.0114 mL |
| 10 mM | 0.3506 mL | 1.7528 mL | 3.5057 mL |
| 50 mM | 0.0701 mL | 0.3506 mL | 0.7011 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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