

## m-PEG6-2-methylacrylate

## Chemical Properties

CAS No. : 90784-86-4

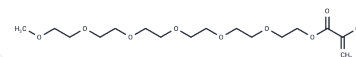
Formula: C17H32O8

Molecular Weight: 364.43

Keep away from direct sunlight

Storage: 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-PEG6-2-methylacrylate is a PEG-based linker for PROTACs that joins two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation through the ubiquitin-proteasome system within cells. |
| Targets(IC50) | Others,PROTAC Linker  |
| In vitro      | PROTACs consist of two ligands joined by a linker: one targets an E3 ubiquitin ligase and the other binds to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].     |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.744 mL  | 13.7201 mL | 27.4401 mL |
| 5 mM  | 0.5488 mL | 2.744 mL   | 5.488 mL   |
| 10 mM | 0.2744 mL | 1.372 mL   | 2.744 mL   |
| 50 mM | 0.0549 mL | 0.2744 mL  | 0.5488 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

Zhu C, et al. Reversibly shielded DNA polyplexes based on bioreducible PDMAEMA-SS-PEG-SS-PDMAEMA triblock copolymers mediate markedly enhanced nonviral gene transfection. *Biomacromolecules*. 2012 Mar 12;13(3):769-78.

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