

## m-PEG-thiol (MW 40000)

## Chemical Properties

CAS No. : 88778-21-6

Formula: C<sub>5</sub>H<sub>12</sub>O<sub>2</sub>S

Molecular Weight: 136.21

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-PEG-thiol (MW 40000) (mPEG-SH (MW 40000)) can be used to modify DNA through thiolation and is utilized in the synthesis of gold nanorods (AuNR). |
| Targets(IC50) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 7.3416 mL | 36.708 mL | 73.416 mL  |
| 5 mM  | 1.4683 mL | 7.3416 mL | 14.6832 mL |
| 10 mM | 0.7342 mL | 3.6708 mL | 7.3416 mL  |
| 50 mM | 0.1468 mL | 0.7342 mL | 1.4683 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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