

m-PEG-thiol (MW 3400)

## Chemical Properties

CAS No. :

Formula: (C<sub>2</sub>H<sub>4</sub>O)<sub>n</sub>C<sub>3</sub>H<sub>8</sub>O<sub>S</sub>

Molecular Weight:

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 3400) is utilized for modifying thiolated DNA and synthesizing gold nanorods (AuNR). Through the mPEG-SH/Tween 20 assisted method (where Tween 20 and mPEG-SH repeatedly displace CTAB on the AuNR surface), thiolated DNA can be loaded onto AuNR. DNA AuNR has been widely used in nanostructure assembly, gene therapy, biosensing, and drug delivery.
Targets(IC50)	Others

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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