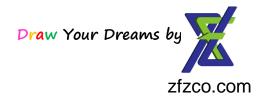
## **Product Information**



## Methoxypoly(Ethylene Glycol) Thiol

Product Number: 1101130

#### **Synonyms**

Thiol-Terminated Methoxypoly(Ethylene Glycol) mPEG Thiol

#### **Specifications**

CAS Number: 134874-49-0

M.W. (Repeat Unit): 1,950 - 2050 g.mol-1

Appearance (Form): Powder

Appearance (Color): White to Faint Yellow Proton NMR Spectrum: Conforms to Structure

Store: at Room Temperature

Substitution: ≥ 95 %

Solubility (Water): Soluble

Solubility (Turbidity): Clear

### Description

Methoxy PEG Thiol (mPEG-SH) is a linear monofunctional PEG, which has a free thiol group at one end which can selectively reacts with maleimide and transition metal surface including gold, silver, etc. mPEG SH is commonly used to modify gold or sliver nanoparticles. Also, it can be easily oxidized by air through S-S disulfide bonds to form dimers, which can be reversed with reducing agents.

### **Applications**

Methoxypolyethylene glycol thiol can be used for medical research, drug-release, nanotechnology and new materials research, cell culture. In the study of ligand, polypeptide synthesis support, a graft polymer compounds, new materials, and glycol-modified functional polyethylene coatings and other aspects of the active compound.

#### **Precautions**

For laboratory and research use. Not for drug, household or other uses.

#### Stability

The Methoxypoly(Ethylene Glycol) thiol powder is stable for at least 6 months at room temperature. Storage of the stock Methoxypoly(Ethylene Glycol) thiol powder at high temperature for more than 2 weeks may cause decomposition and yield incorrect results.

#### **Packaging**

1g in glass bottle

# **Product Information**

zfzco.com