

# Product Information

## 4-Arm Poly(Ethylene Glycol) Thiol

**Product Number: 1102140**

### Synonyms

Thiol-Terminated Poly(Ethylene Glycol)  
4-Arm PEG Thiol

### Specifications

CAS Number: -

M.W. (Repeat Unit): 10,000 g.mol<sup>-1</sup>

Appearance (Form): Powder

Appearance (Color): White

Proton NMR Spectrum: Conforms to Structure

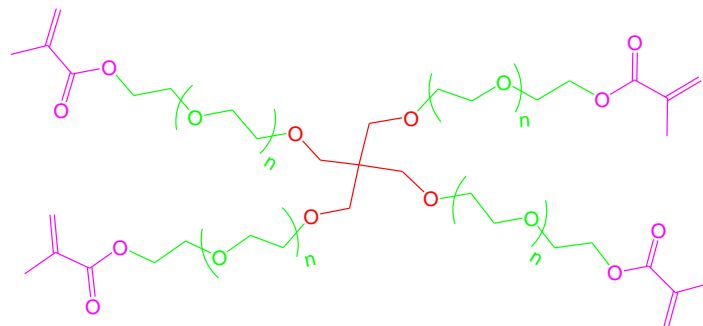
Store: at -20 °C

### Description

4-Arm Poly(Ethylene Glycol) Thiol is a non-toxic polymer which has properties such as biocompatibility and biodegradability. It can react with some functional groups. The reactive SH groups can be easily oxidized to form disulfide bonds.

### Applications

4-Arm Poly(Ethylene Glycol) Thiol can be used as a multi-functional macromer for bioconjugation, PEG hydrogel, drug delivery, crosslinking, and surface functionalization. As a substrate, it possesses a variety of requirements necessary for tissue engineering and biomedical applications.



Substitution:  $\geq 95\%$

Solubility (Water): Soluble

Solubility (Turbidity): Clear

### Precautions

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

### Stability

The frozen 4-arm PEG Thiol powder is stable for at least 3 months. Storage its stock at room temperature for more than 1 week may cause decomposition and yield incorrect results.

### Packaging

1 g in glass bottle