

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⁻¹

Appearance (Form): Powder

Appearance (Color): White

Proton NMR Spectrum: Conforms to Structure

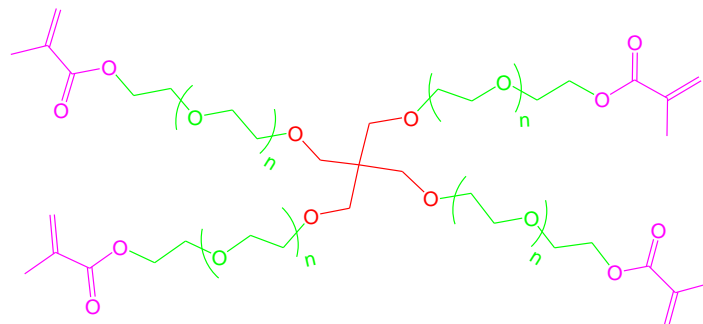
Store: at -20 °C

Description

4-Arm Poly(Ethylene Glycol) Thiol is a non-toxic, synthetic biopolymer with ideal biological properties such as biocompatibility. It can react with crosslinking agents to form a three dimensional mesh and be used in drug delivery systems. The reactive SH groups can be easily oxidized to form disulfide bonds. 4-Arm PEG Thiol in combination with maleimide or alkene-functionalized chemicals has been employed for synthesis of hydrogels by bioorthogonal click cross-linking reactions.

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.



Substitution: ≥ 95 %

Solubility (Water): Soluble

Solubility (Turbidity): Clear

Precautions

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

Stability

4-Arm Poly(Ethylene Glycol) Thiol powder is stable for at least 3 months at -20 °C. Storage its stock at room temperature for more than 1 week may cause decomposition and yield incorrect results.

Packaging

1 g in glass bottle