

Product Information

4-Arm Poly(Ethylene Glycol) Methacrylate

Product Number: 1102160

Synonyms

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

Specifications

CAS Number: -

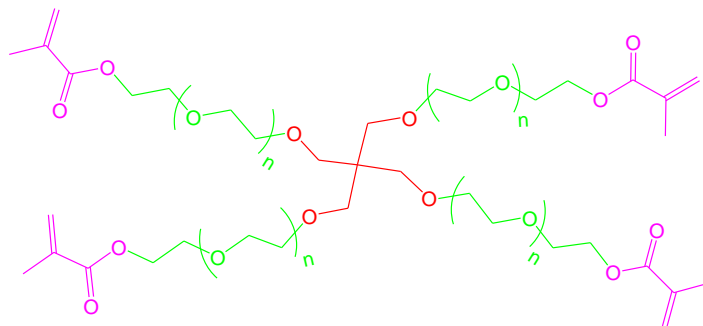
M.W. (Repeat Unit): 10,000 g.mol⁻¹

Appearance (Form): Powder

Appearance (Color): White

Proton NMR Spectrum: Conforms to Structure

Store: at -20 °C



Substitution: $\geq 95\%$

Solubility (Water): Soluble

Solubility (Turbidity): Clear

Description

4-Arm Poly(Ethylene Glycol) Methacrylate is a non-toxic polymer which has properties such as biocompatibility and biodegradability. It can react with some functional groups such as thiol-containing chemicals and form crosslinked hydrogels. Also, its aqueous solution can be formed tough and high strength hydrogel in the presence of ultra-violet radiation and a proper photoinitiator for example, Irgacure 2959.

Applications

4-Arm Poly(Ethylene Glycol) Methacrylate 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.

Precautions

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

Stability

The frozen 4-arm PEG Methacrylate 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