

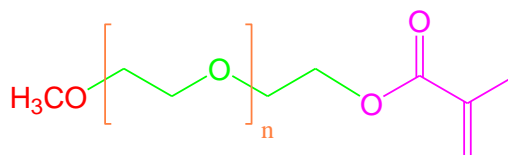
Product Information

Methoxypoly(Ethylene Glycol) Methacrylate

Product Number: 1101160

Synonyms

Methacrylate-Terminated Methoxypoly(Ethylene Glycol)
mPEG Methacrylate



Specifications

CAS Number: 26915-72-0

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 -20 °C

Substitution: ≥ 95 %

Solubility (Water): Soluble

Solubility (Turbidity): Clear

Description

Poly(ethylene glycol) methyl ether methacrylate (PEGMA) is a nonlinear analog of polyethylene glycol (PEG). It is a biocompatible homopolymer with a brush type structure that is mainly used to provide a PEG modified surface. Methoxy PEG Acrylate is a thiol-reactive PEG, reacting with sulfhydryl groups via Michael addition reactions. Acrylate groups are typically involved in vinyl photopolymerization or copolymerization.

Applications

PEGMA can be used in the surface modification of poly(ether sulfone) based ultrafiltration (UF) membrane as a foul-resistant material, drug delivery and tissue engineering application.

Precautions

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

Stability

The frozen Methoxypoly(Ethylene Glycol) Methacrylate powder is stable for at least 6 months. Storage of the stock Methoxypoly(Ethylene Glycol) Methacrylate powder at room temperature for more than 1 week may cause decomposition and yield incorrect results.

Packaging

1g in glass bottle

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