

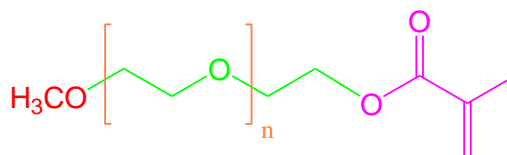
Product Information

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

Store: at -20 °C

Proton NMR Spectrum: Conforms to Structure

Substitution: ≥ 95 %

Solubility (Water): Soluble

Solubility (Turbidity): Clear

Description

Methoxypoly(Ethylene Glycol) Methacrylate (mPEG-MA) is a linear monofunctional PEG which has a free methacrylate group at its end. It can selectively react with sulfhydryl groups via Michael addition reaction. Methacrylate groups are typically involved in vinyl photopolymerization or copolymerization.

Applications

Methoxypoly(Ethylene Glycol) Methacrylate can be used in the surface modification of poly(ether sulfone) based ultrafiltration (UF) membrane as a foul-resistant material, in drug delivery systems and tissue engineering applications.

Precautions

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

Stability

Methoxypoly(Ethylene Glycol) Methacrylate powder is stable for at least 6 months at -20 °C. Its storage at room temperature for more than 1 week may cause decomposition and yield incorrect results.

Packaging

1g in glass bottle

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