Product Information

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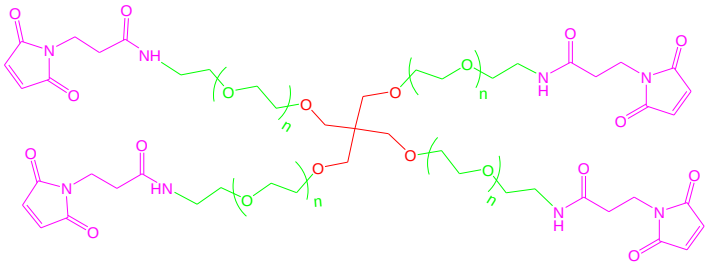
4-Arm Poly(Ethylene Glycol) Maleimide

***Product Number*: 1102170**



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: ≥ 95 %

Solubility (Water): Soluble

Solubility (Turbidity): Clear

Description

4-Arm Poly(Ethylene Glycol) Maleimide is a non-toxic polymer which has properties such as biocompatibility and biodegradability. It can be reacted with crosslinking agents to form a three dimensional mesh that can be used in drug delivery systems. It can also be used as a non-ionic surfactant for a variety of biological applications. It can be supported cell growth such as the cell adhesive peptide RGD.

Applications

4-Arm Poly(Ethylene Glycol) Maleimide 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 Maleimide 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