

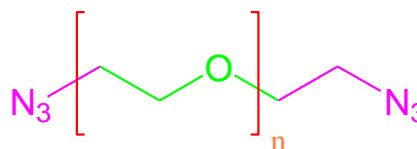
Product Information

Poly(Ethylene Glycol) Diazide

Product Number: 1104130

Synonyms

Azide-Terminated Poly(Ethylene Glycol)
Polyoxyethylene Bis(azide)



Specifications

CAS Number: 82055-94-5

M.W. (Repeat Unit): 1,900 - 2100 g.mol⁻¹

Appearance (Form): Powder

Appearance (Color): White to Faint Yellow

Store: at 2 – 8 °C

Proton NMR Spectrum: Conforms to Structure

Substitution: ≥ 95 %

Solubility (Water): Soluble

Solubility (Turbidity): Clear

Description

Poly(Ethylene Glycol) Diazide (PEG diazide) is a non-toxic 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. It is also used as a non-ionic surfactant for a variety of biological applications. PEG diazide in combination with alkyne-functionalized chemicals has been employed for synthesis of click hydrogels.

Applications

Poly(Ethylene Glycol) Diazide can be used for tissue engineering, drug delivery applications and the preparation of injectable hydrogels.

Precautions

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

Stability

Poly(Ethylene Glycol) Diazide powder is stable for at least 6 months at 2 – 8 °C. Storage of the stock PEG diazide powder at room temperature for more than 1 month may cause decomposition and yield incorrect results.

Packaging

1 and 5 g in glass bottle