

# Product Information

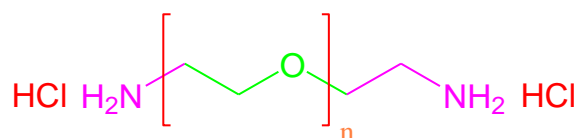
## Poly(Ethylene Glycol) Diamine Hydrochloride

**Product Number: 1104125**

### Synonyms

Azide-Terminated Poly(Ethylene Glycol)

Polyoxyethylene Bis(azide)



### Specifications

CAS Number: 82055-94-5

M.W. (Repeat Unit): 1,900 - 2100 g.mol<sup>-1</sup>

Appearance (Form): Powder

Appearance (Color): White to Faint Yellow

Store: Room Temperature

Proton NMR Spectrum: Conforms to Structure

Substitution: ≥ 95 %

Solubility (Water): Soluble

Solubility (Turbidity): Clear

### Description

Poly(Ethylene Glycol) Diamine Hydrochloride (PEG diamine hydrochloride) is a non-toxic biopolymer which has properties such as antibacterial activity and biocompatibility. It can be reacted with crosslinking agents to form both physical and chemical three dimensional meshes. It can be supported cell growth such as the cell adhesive peptide RGD.

### Applications

Poly(Ethylene Glycol) Diamine Hydrochloride can be used as a crosslinking agent, and also an ionic gradient of hydrogel.

### Precautions

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

### Stability

Poly(Ethylene Glycol) Diamine Hydrochloride powder is stable for at least 6 months at room temperature. Storage of the stock PEG diamine hydrochloride powder at higher temperature for more than 2 weeks may cause decomposition and yield incorrect results.

### Packaging

1 and 5 g in glass bottle