

# Product Information

## 4-Arm Poly(Ethylene Glycol) Amine

**Product Number:** 1102120

### Synonyms

Amine-Terminated Poly(Ethylene Glycol)  
4-Arm PEG Amine

### Specifications

CAS Number: -

M.W. (Repeat Unit): 10,000 g.mol<sup>-1</sup>

Appearance (Form): Powder

Appearance (Color): White

Proton NMR Spectrum: Conforms to Structure

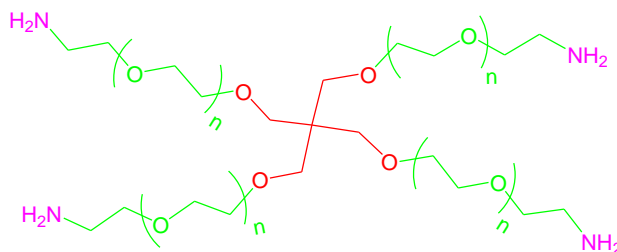
Store: at 2 - 8 °C

### Description

4-Arm Poly(Ethylene Glycol) Amine is a synthetic polymer and widely used in biomedical research due to its biocompatibility. Generally, it is used as a crosslinking agent to fabricate 3D-polymeric scaffolds appropriate for tissue engineering and drug delivery systems (DDS). It is also, a macromer chain extender and employed for the synthesis of polyurea. It is highly reactive towards the carbonyl, carboxylic acid and isocyanate groups. In addition, it could be used as both non-ionic and ionic surfactant for a variety of biological applications.

### Applications

4-Arm Poly(Ethylene Glycol) Amine can be used as a multi-functional macromer for bioconjugation, PEG hydrogel, drug delivery, crosslinking, and surface functionalization.



Substitution: ≥ 95 %

Solubility (Water): Soluble

Solubility (Turbidity): Clear

### Precautions

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

### Stability

The 4-Arm Poly(Ethylene Glycol) Amine powder is stable for at least 3 months at 2 - 8 °C. Storage its stock at room temperature for more than 1 month may cause decomposition and yield incorrect results.

### Packaging

1 g in glass bottle