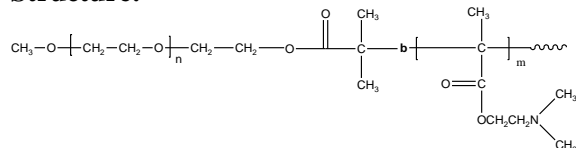


**Sample Name: Poly(ethylene oxide)-b-poly(N,N-dimethylaminoethyl methacrylate)**

**Sample #: P43270-EODMAEMA**

### Structure:



**Composition:**

Mn x 10 <sup>3</sup> PEO-b-PDMAEMA	PDI
5.0-b-3.0	1.05

### Synthesis Procedure:

The polymer was synthesized by anionic and controlled radical processes.

### Characterization:

The product was characterized by size exclusion chromatography (SEC) and  $^1\text{H}$  NMR data analysis.

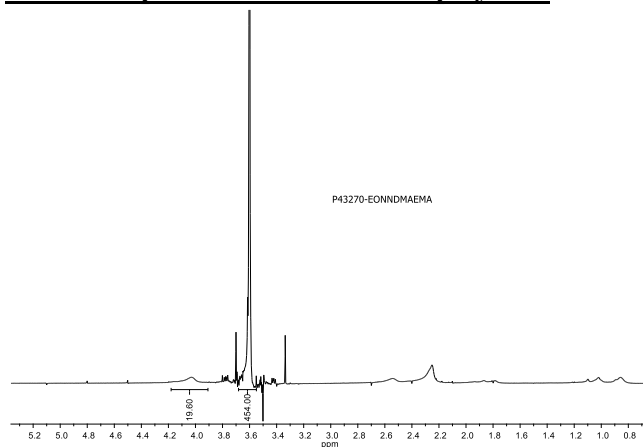
**Purification:**

The polymer purified further and any un-reacted homopolyethylene oxide removed from the diblock copolymer.

**Solubility:**

The polymer is soluble in water.

### **<sup>1</sup>H-NMR Spectrum of the block copolymer:**



**SEC elugram of the Sample:**

