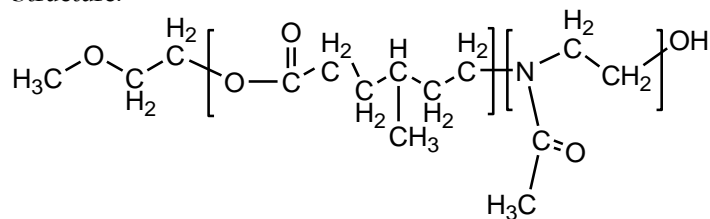


**Sample Name:** Poly( $\gamma$ -methyl  $\epsilon$ -caprolactone-b-Methyloxazoline)

**Sample #:** P11394C3-4MeCL-MEOXZ

Structure:

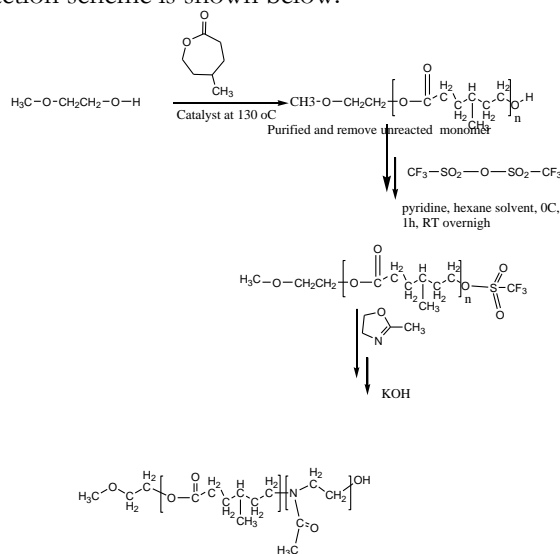


**Composition:**

Mn x 10 <sup>3</sup> 4MeCL-MEOXZ	Mw/Mn (PDI)
7.5-b-1.0	1.4
Dp: 58-b-10	

**Synthesis Procedure:**

The reaction scheme is shown below:



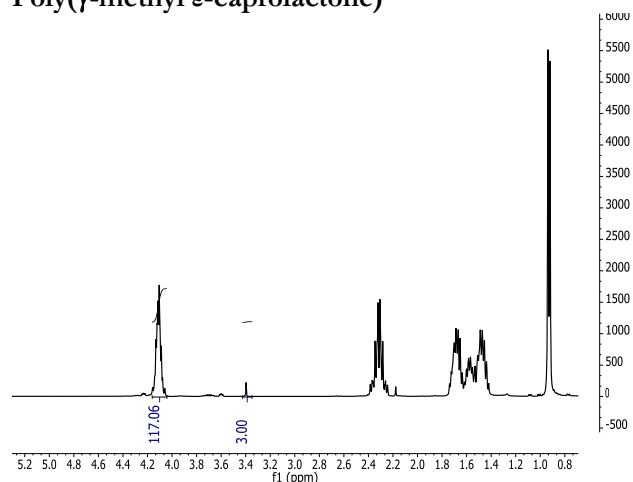
**Characterization:**

By size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from <sup>1</sup>H-NMR spectroscopy.

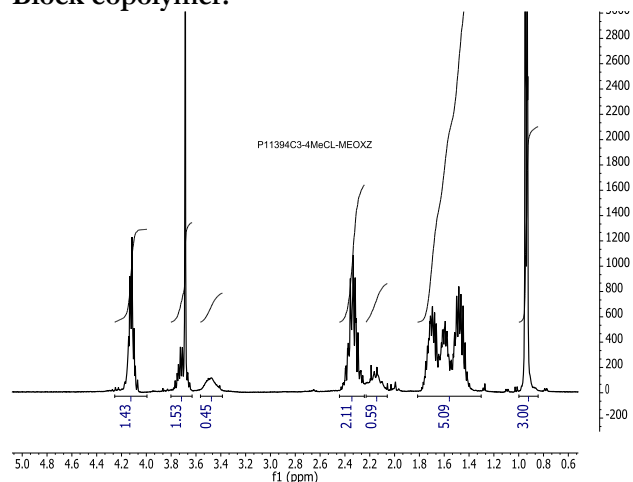
**Solubility:**

Polymer is soluble in THF, Chloroform, and precipitated in cold acetone, hexane

**<sup>1</sup>H NMR spectrum of the sample:**  
Poly( $\gamma$ -methyl  $\epsilon$ -caprolactone)



**Block copolymer:**



**SEC profile of the block copolymer:**

**P11394C3-4MeCLMEOXZ**

