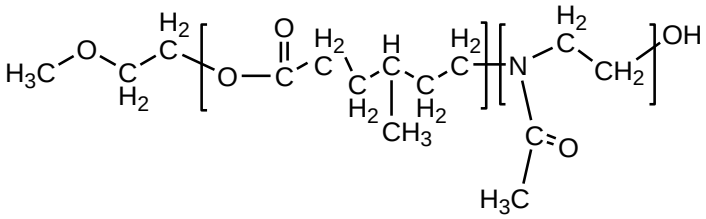
Sample Name: **Poly(γ-methyl ε-caprolactone-b-Methyloxazoline)**

Sample #: **P11394D2-4MeCL-MEOXZ**

**Structure:**

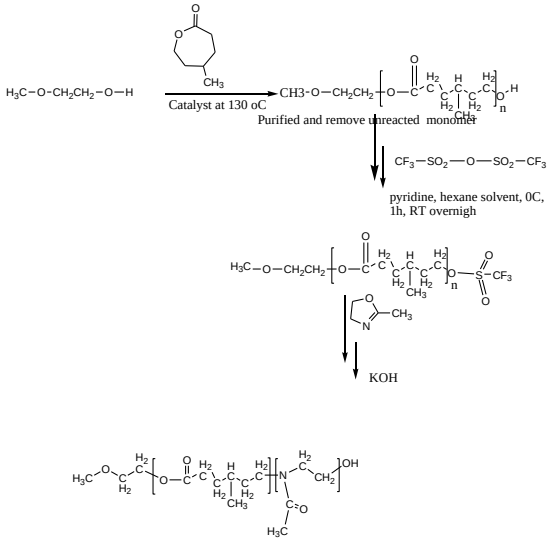


**Composition:**

| Mn x $10^3$<br>4MeCL-MEOXZ | Mw/Mn (PDI) |
|---|---|
| 9.5-b-25.5 | 1.5 |
| Dp:<br>74-b-298 | |

**Synthesis Procedure:**

The reaction scheme is shown below:



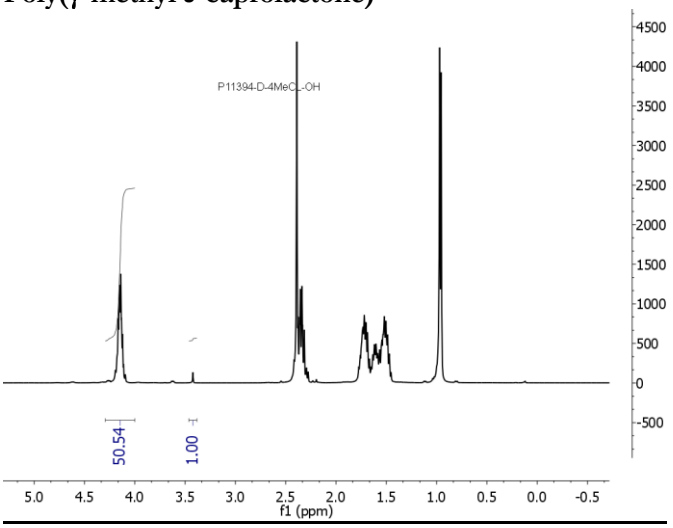

**Characterization:**

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

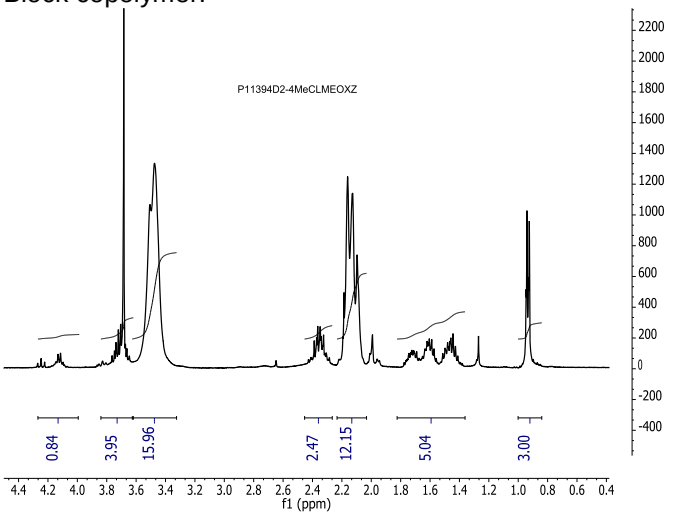
**Solubility:**

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

**$^1$H NMR spectrum of the sample Poly(γ-methyl ε-caprolactone)**




Block copolymer:




**SEC profile of the block copolymer**

P11394-D2-4MeCLMEOXZ