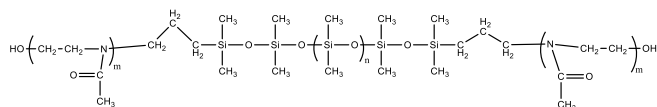


**Sample Name:**

**Poly(2-methyloxazoline-*b*-dimethylsiloxane-*b*-2-methyloxazoline) Triblock Copolymer**  
*Propyl Linker*

**Sample #: P43866A-MEOXZDMSMEOXZ**

**Structure:**



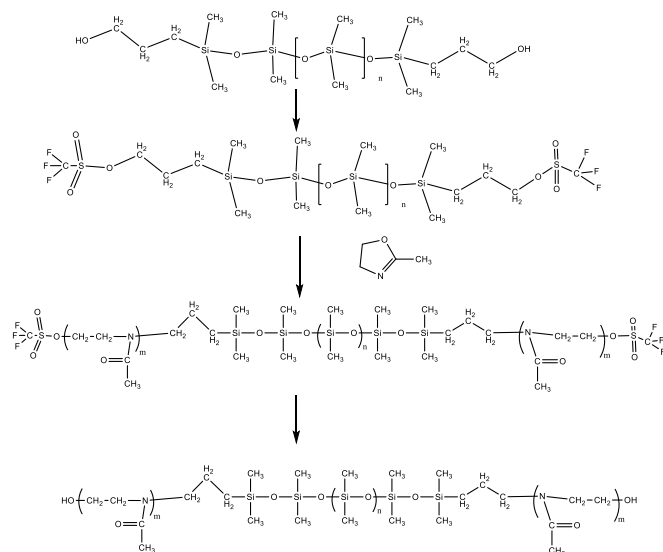
**Composition:**

Mn x 10 <sup>3</sup> MEOXZ-DMS-MEOXZ	PDI
2.1-b-5.0-b-2.1	1.3

Dp: 25-b-68-25

**Synthesis Procedure:**

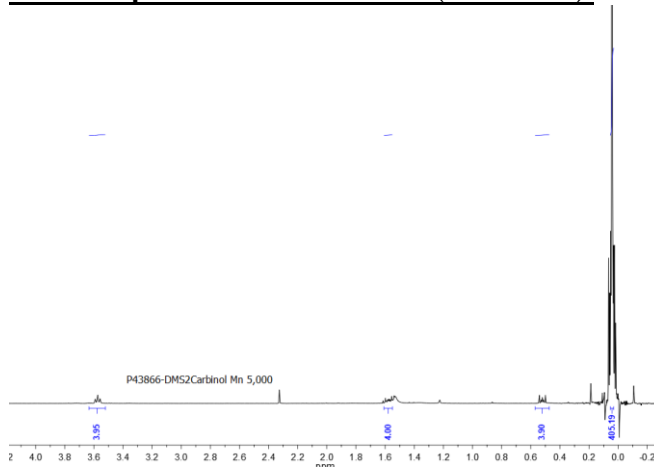
The following reaction scheme shows how the product was prepared:



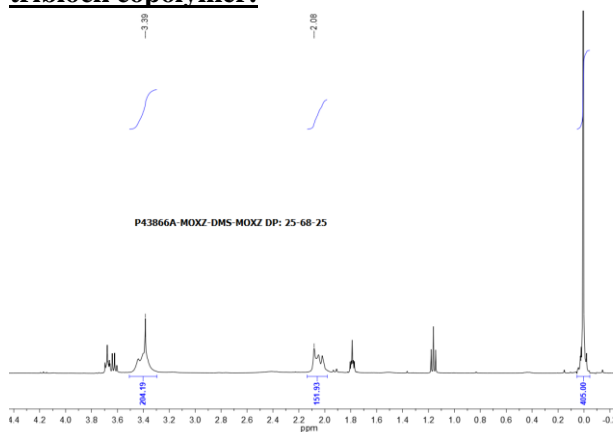
**Characterization:**

The product was characterized by <sup>1</sup>H NMR spectroscopy. Size exclusion chromatography (SEC) of such polymer cannot be carried out in THF or DMF as eluants. A mixture of DMF/THF (20/80 by volume) in addition of 3 V% (Et)<sub>3</sub>N has been used to elute the sample. The values of Mw/Mn, and the composition of the polymer were determined by its HNMR data analysis.

**<sup>1</sup>H NMR spectrum of PDMS-2OH (dicarbinol):**

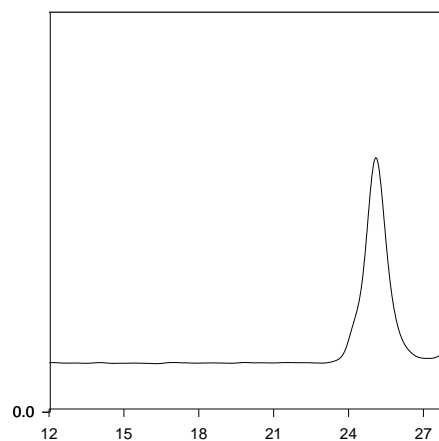


**<sup>1</sup>H NMR spectrum of MEOXZ-DMS-MEOXZ triblock copolymer:**



**SEC elugram of the Sample:**

**P43866A-MEOXZDMSMEOXZ**



Size exclusion chromatography of the polymer: run in DMF/THF at 40 oC

..... MEOXZ-Polydimethylsiloxane-MEOXZ M<sub>n</sub>= 2,100-b-5,000-2,100 , PI=1.3