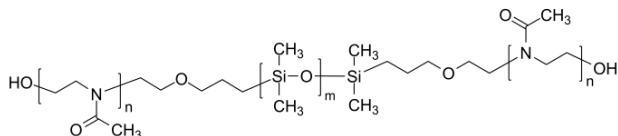


Sample Name:

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

Sample #: **P43503A-MEOXZDMSMEOXZ**

**Structure:**

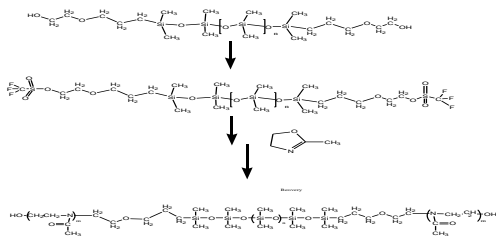


**Composition:**

| Mn x 10 <sup>3</sup><br>MOXZ-DMS-MOXZ | PDI | Dp:        |
|---------------------------------------|-----|------------|
| 0.40-b-5.0-b-0.40                     | 1.3 | 5-b-68-b-5 |

**Synthesis Procedure:**

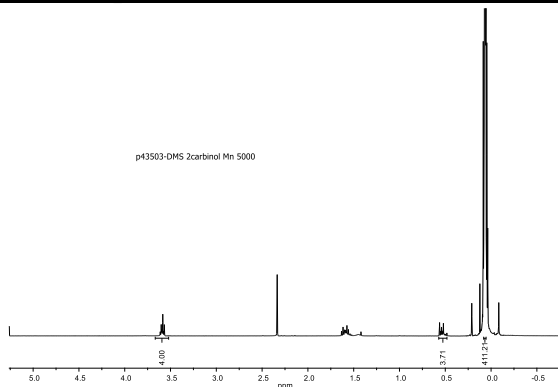
The following reaction scheme shows how the product was prepared:



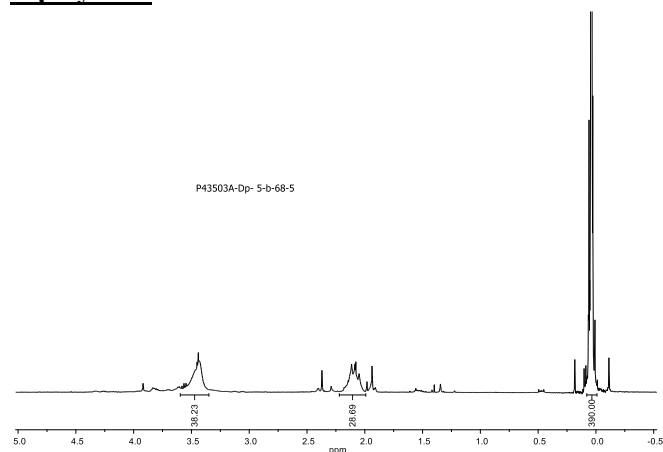
**Characterization:**

The product was characterized by <sup>1</sup>H NMR. GPC analysis of such kind of polymer cannot be carried out in THF or DMF as solvent. We have used a mixture of DMF/THF 20/80 by volume and added 3 V% (Et)<sub>3</sub>N to elute such polymer. The values of Mw/Mn were determined, and the composition of the polymer determined by its HNMR.

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

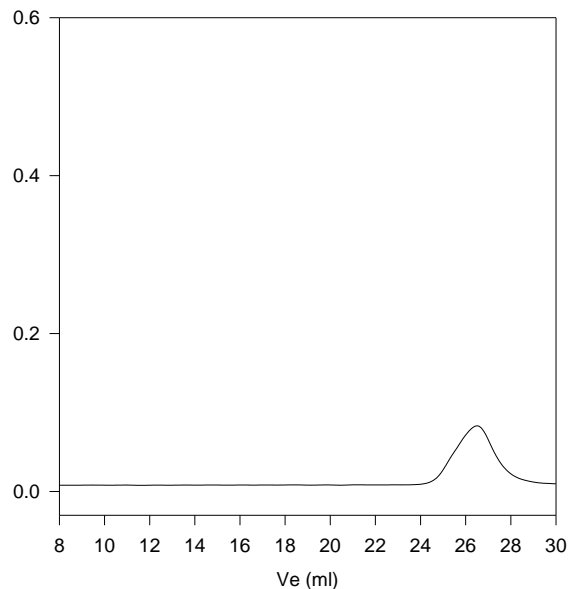


**<sup>1</sup>H-NMR spectrum of MOXZ-DMS-MOXZ triblock copolymer:**



**SEC elugram of the sample:**

**MEOXZDMSMEOXZ P43503A**



Size exclusion chromatography of the polymer

— ABA triblock copolymer Mw/Mn=1.30 Composition from HNMR