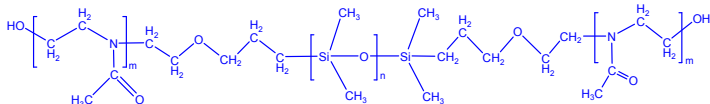


Sample Name:

**Poly (2-methyloxazoline-*b*-dimethylsiloxane-*b*-2-methyloxazoline) Triblock Copolymer**  
**Electronic grade**

Sample #: P18575E-MOXZDMSMOXZ

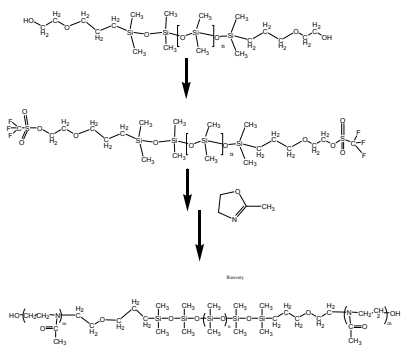
**Structure:**



**Composition:**

Mn x 10 <sup>3</sup> MEOXZ-DMS- MEOXZ	PDI	Dp:
0.7-3.8-0.7	1.3	8-b-53-b-8

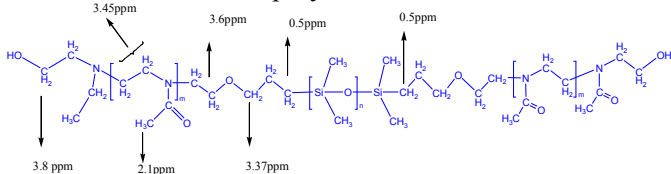
**Synthesis Procedure:**



**Characterization:**

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography in DMF (for the block copolymer), and the chemical composition was extracted from HNMR analysis.

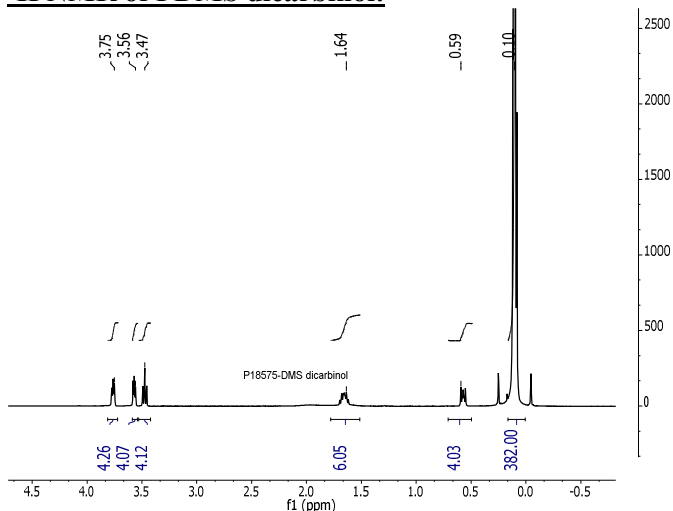
**Chemical shifts of the polymer:**



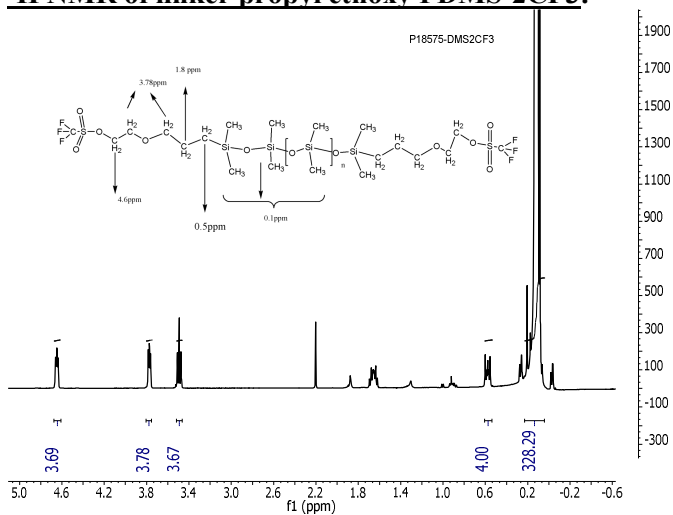
**Purification and dialysis:**

Polymer dissolved in Water and added 5% methanol Solution dissolved and dialysis against water using Fisher Brand Dialysis tubing, MWCO 1,000. Polymer solution filtered and lyophilized. Polymer was collected and further dried at 40 oC under vacuum. The product packed under vacuum.

**<sup>1</sup>H NMR of PDMS dicarbinol:**



**<sup>1</sup>H NMR of linker propyl ethoxy PDMS-2CF3:**



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

