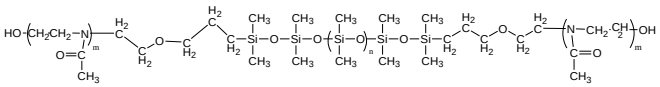
Sample Name:
Poly(2-methyloxazoline–*b*–dimethylsiloxane–*b*–2-methyloxazoline) Triblock Copolymer

Sample #: **P42780A-MEOXZDMSMEOXZ**

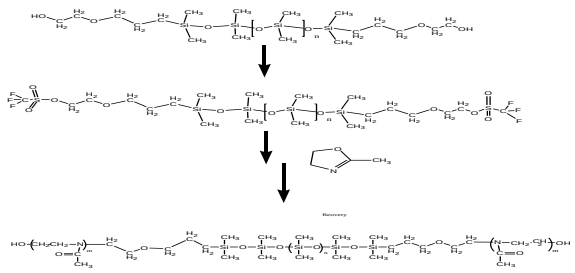
Structure:



Composition:

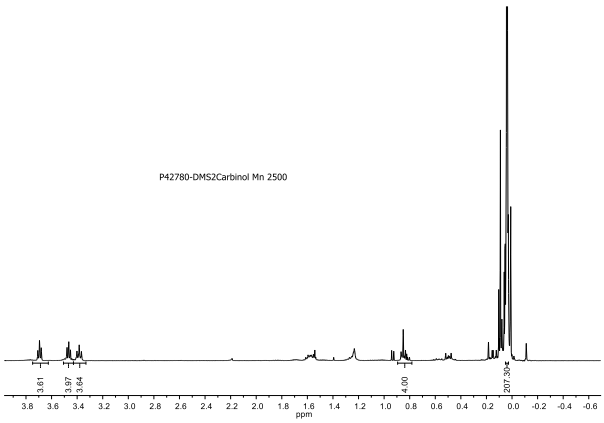
Mn x 10^3 MOXZ-DMS-MOXZ	PDI	Dp:
0.8-b-2.5-b-0.8	1.2	10-b-33-b-10

Synthesis Procedure:
The following reaction scheme shows how the product was prepared:

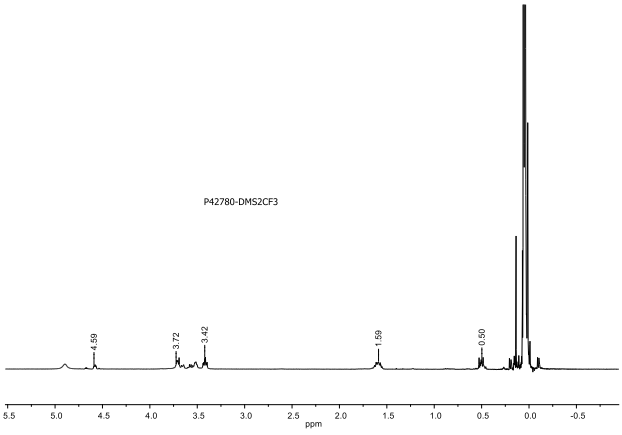


Characterization:
The product was characterized by ^{1}H NMR. GPC analysis of such kind of polymer cannot be carried out in THF or DMF as solvent. We have used a mixture of DMF/THF 20/80 by volume and added 3 V% (Et)3N to elute such polymer. The values of Mw/Mn were determined, and the composition of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

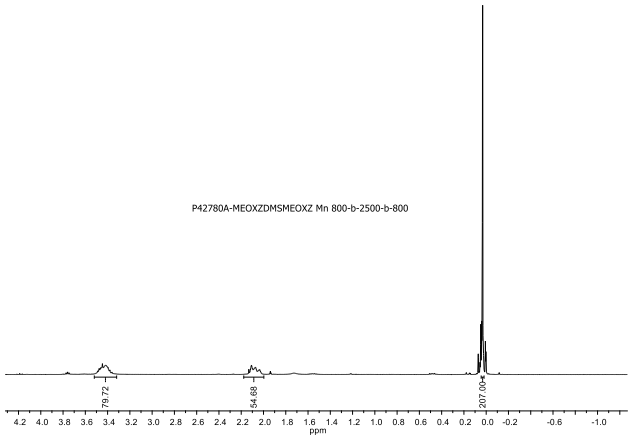
^{1}H-NMR spectrum of PDMS-2OH (dicarbinol):



^{1}H-NMR spectrum of PDMS-2CF3:



^{1}H-NMR spectrum of MOXZ-DMS-MOXZ triblock copolymer:



SEC elugram of the sample:

P42780A-

dn/dc	0.0570
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA60K-Jan3-2019-0019.vcm