

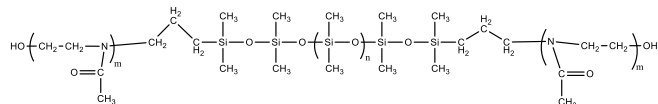
Sample Name:

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

Sample #: **P42809A-MEOXZDMSMEOXZ**

Propyl linker

Structure:

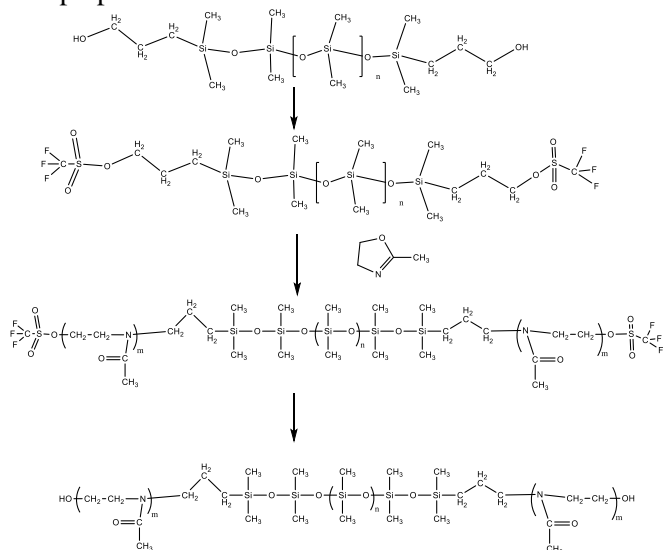


Composition:

Mn x 10 ³ MOXZ-DMS-MOXZ	PDI
0.170-b-2.5-b-0.170	1.17
Dp: 2-b-33-b-2	

Synthesis Procedure:

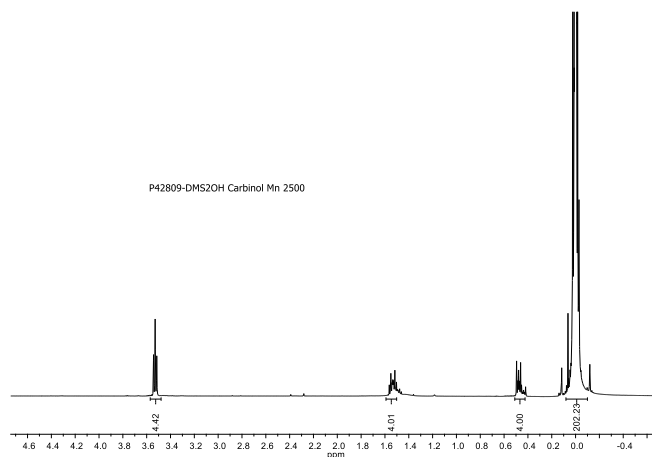
The following reaction scheme shows how the product was prepared:



Characterization:

The product was characterized by ¹H 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 by its HNMR.

HNMR spectrum of PDMS-2OH (dicarbinol)



¹H NMR spectrum of MOXZ-DMS-MOXZ triblock copolymer:

