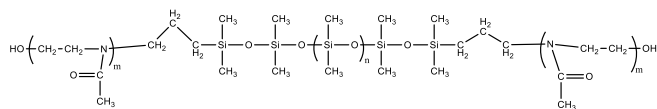


Sample Name:

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

Sample #: **P43143-MEOXZDMSMEOXZ**

Structure:

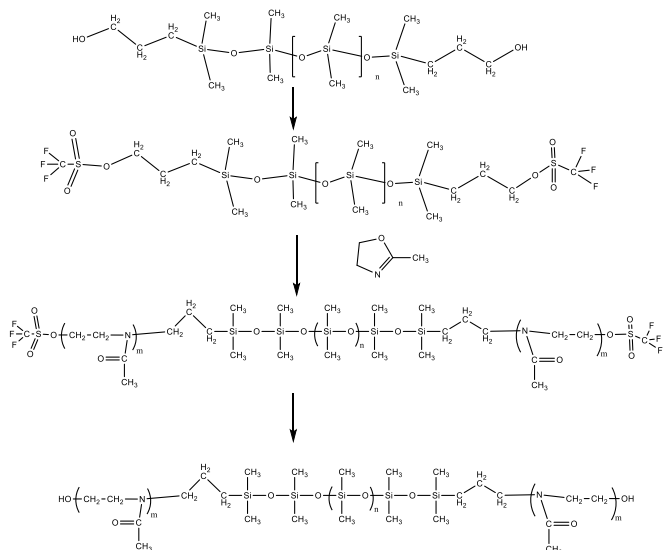


Composition:

Mn x 10 ³	PDI
MEOXZ-DMS-MEOXZ	
0.8-b-1.8-b-0.8	1.25
Dp: 10-b-24-b-10	

Synthesis Procedure:

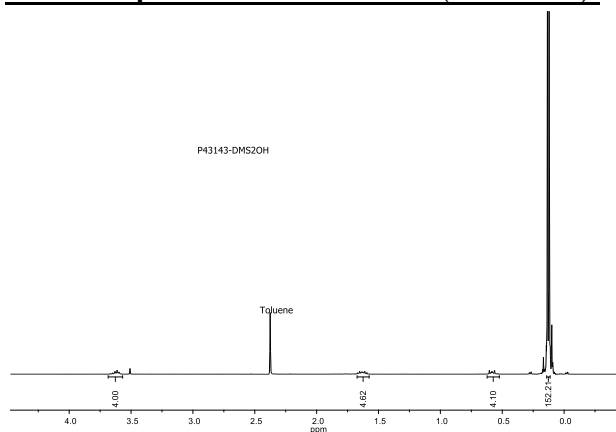
The following reaction scheme shows how the product was prepared:



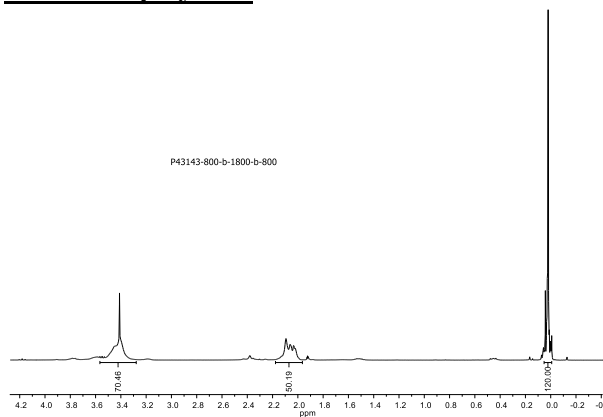
Characterization:

The product was characterized by ¹H 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)₃N 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.

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

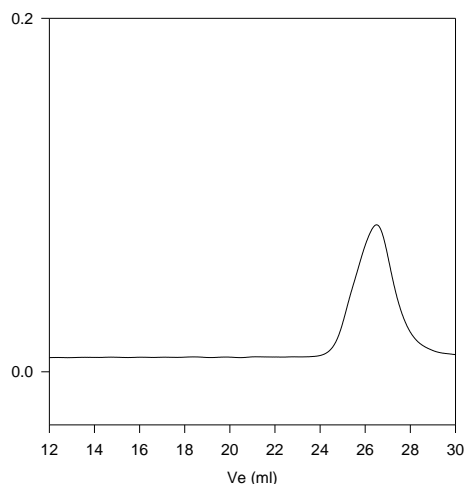


¹H-NMR spectrum of MEOXZ-DMS-MEOXZ triblock copolymer:



SEC profile of the Sample:

P43143-MEOXZDMSMEOXZ



Size exclusion chromatography of the polymer

— Polydimethyl siloxane disilanol Mw/Mn=1.25 Composition from HNMR