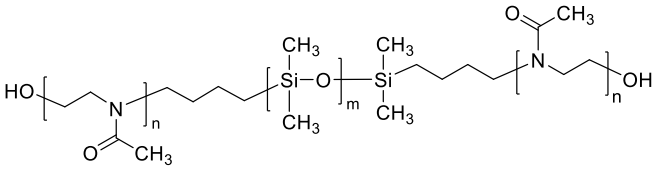
Product Name: **Poly(2-methyl oxazoline)–*block*–poly(dimethyl siloxane)–*block*–poly(2-methyl oxazoline), with *n*-butyl link between blocks**

Product # **P42686A-MEOXZDMSMEOXZ**

Structure:



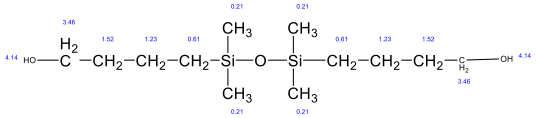
Composition:

$M_n \times 10^3$ (g/mol) [MEOXZ–*b*–DMS–*b*–MEOXZ]	M_w/M_n
1.0–*b*–2.2–*b*–1.0	1.3

Degree of polymerization (D_p):	12-*b*-30-*b*-12

Synthesis procedure:

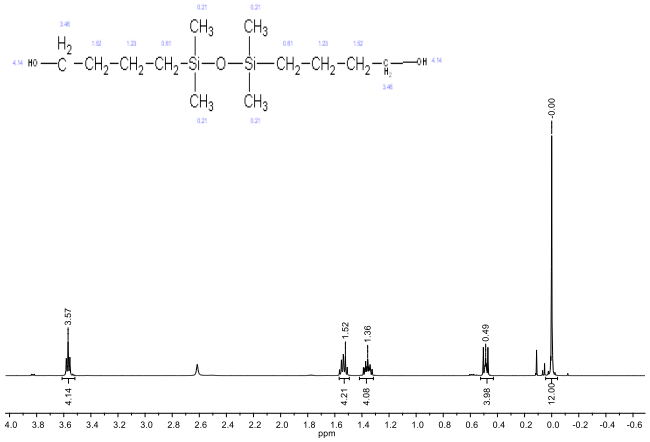
The triblock copolymer was synthesized by cationic polymerization technique, using the following linker :



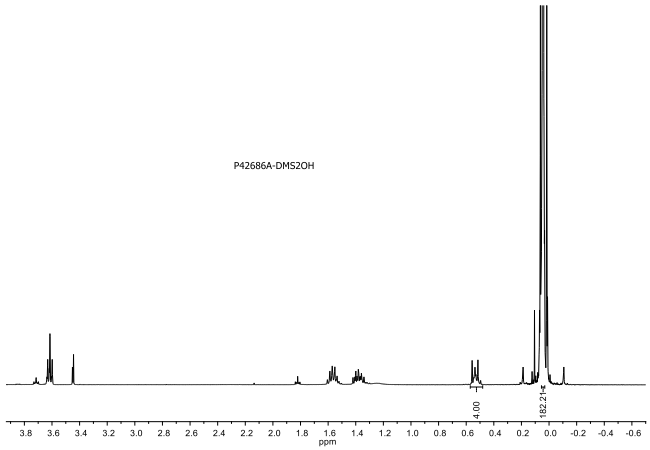
Characterization:

The ratio between blocks was calculated by proton NMR spectroscopy. The molecular weight and polydispersity index were determined by size exclusion chromatography (SEC) by triple analysis method.

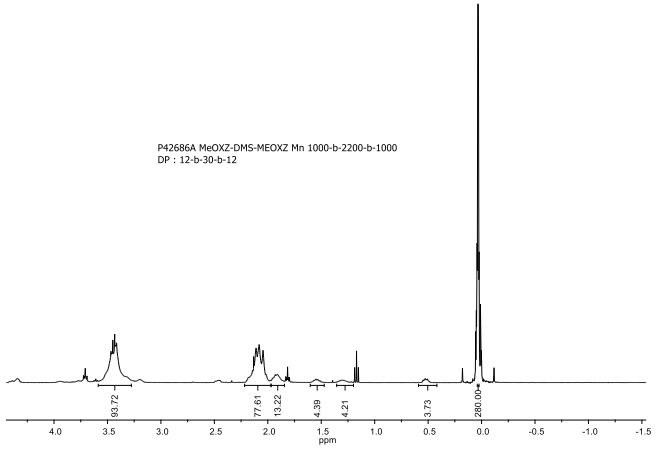
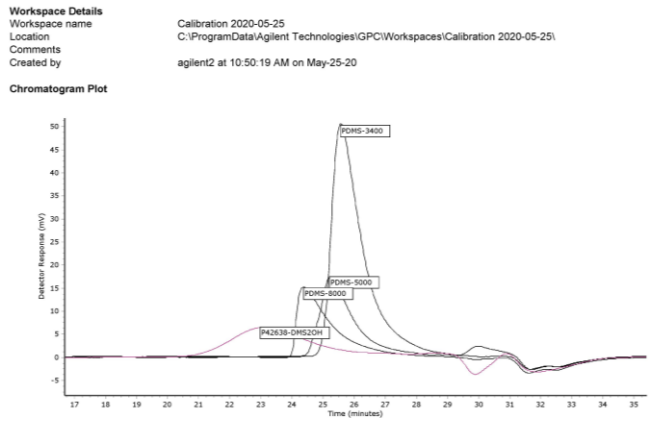
^{1}H NMR spectrum of the linker:



^{1}H NMR spectrum of the PDMS-dicarbinol:



^{1}H NMR spectrum of the triblock copolymer:



SEC of PDMS-dicarbinol: