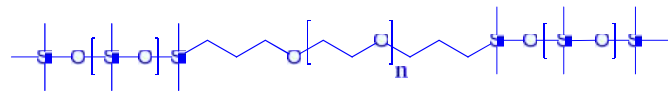


Sample Name: Poly(dimethyl siloxane-b-ethylene oxide-b-dimethyl siloxane)

Sample #: P6559F3A-DMSEODMS

Prepared by route : 2

Structure:

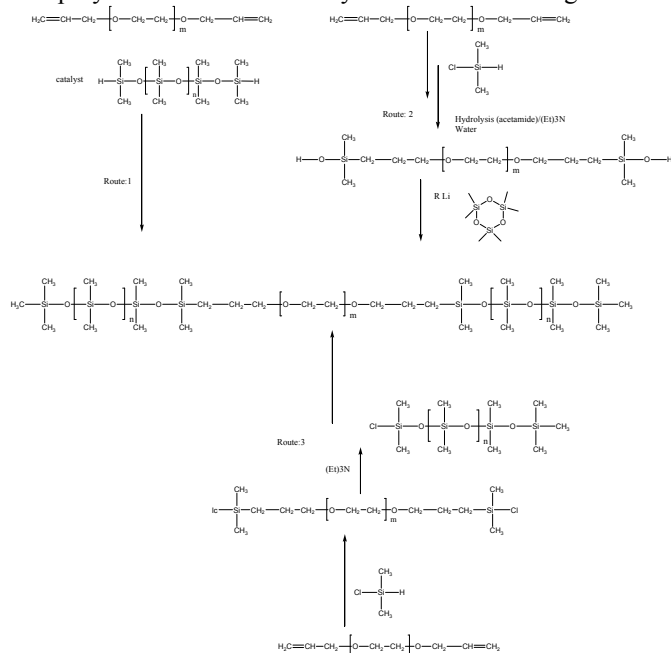


Composition:

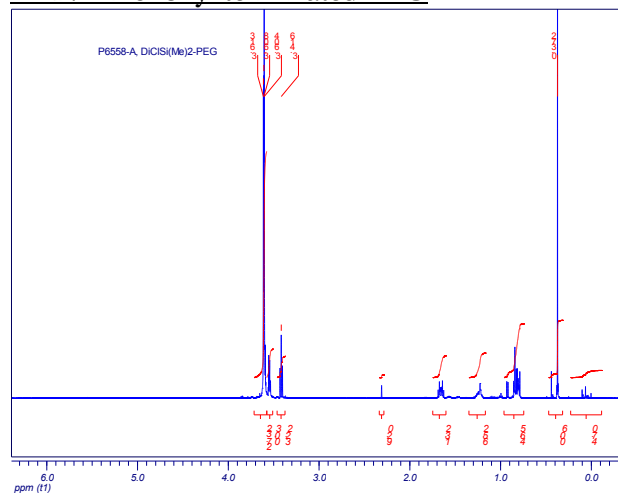
Mn x 10 ³	PDI
PDMS-b-PEO-b-PDMS	
1.5-0.4-1.5	1.6

Synthesis Procedure:

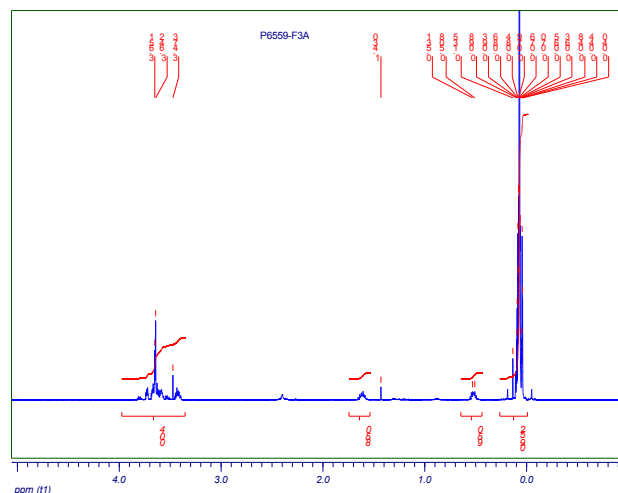
The polymer can be obtained by one of the following routes:



¹H-NMR of Silyl terminated PEO



¹H-NMR Spectrum of the final block copolymer:



SEC of the polymer

Characterization:

The polymer was analyzed by size exclusion chromatography (SEC) and NMR to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from ¹H-NMR spectroscopy by comparing the peak area of the siloxane protons at about 0.08 ppm with the peak area of ethylene oxide protons at about 3.4ppm.

Solubility:

The polymer is soluble in THF, chloroform, not soluble in MeOH/water mixture

P6559F3A-DMSEODMS

