

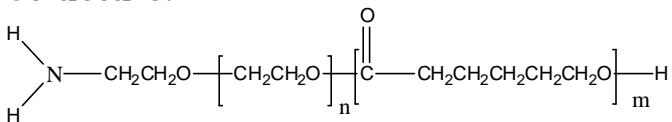
Sample Name:

Amino end functionalized

Poly(ethylene oxide -b- ?-caprolactone)

Sample #: P10275A- NH2EGCL

Structure:



Composition:

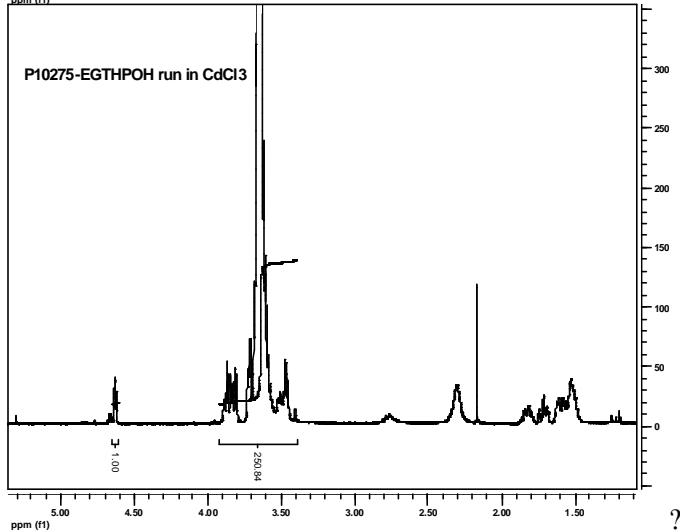
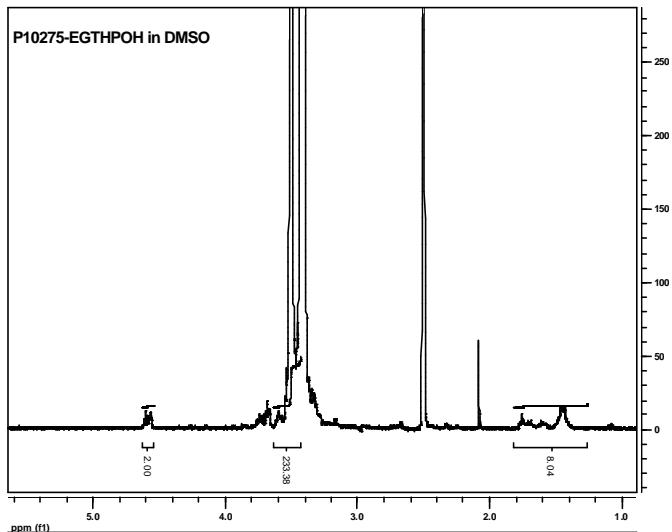
Mn x 10 ³ NH2 EG-b-PCL	PDI	NH2 functional- ity
2.6-b-3.0	1.10	>95%

Characterization:

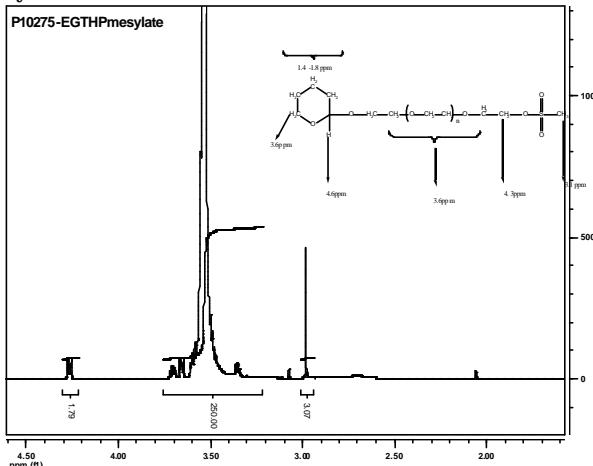
Polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The polymer obtained at each step and the final block copolymer composition was calculated from ¹H-NMR spectroscopy by comparing the peak area of the ethylene oxide protons at about about 3.6 ppm with the ?-caprolactone protons at about 4.1 ppm.

1H-NMR Spectrum of the polymer

?-OH-? -pyran terminated PEG used in this polymer



?-Mesylylate-? -pyran terminated PEG used in this polymer



HMR of the diblock copolymer EGCL-Mesylate:

