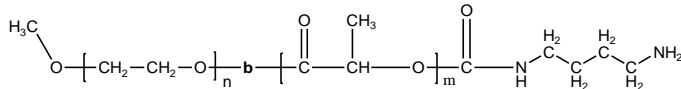


Sample Name:

Amino end functionalized Poly (ethylene oxide -b- lactide) (DL form)

Sample #: **P40846A-mPEGLA-NH2**

Structure:

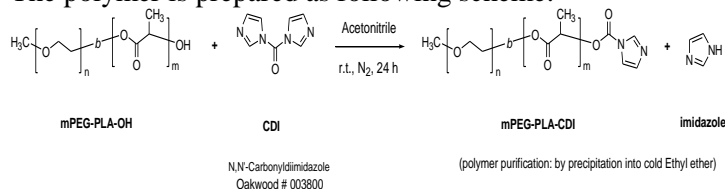


Composition:

Mn x 10 ³ PEO-b-PLA	PDI
5.0-b-3.4	1.10

Synthesis Procedure:

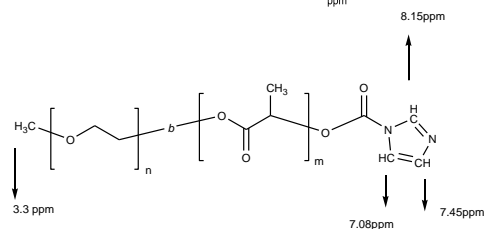
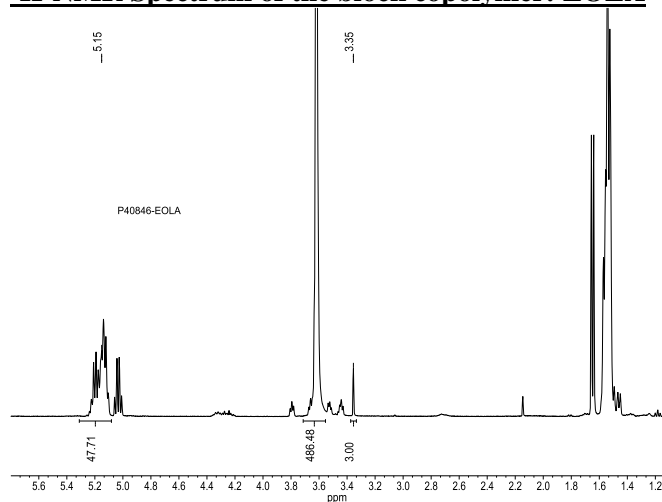
The polymer is prepared as following scheme:



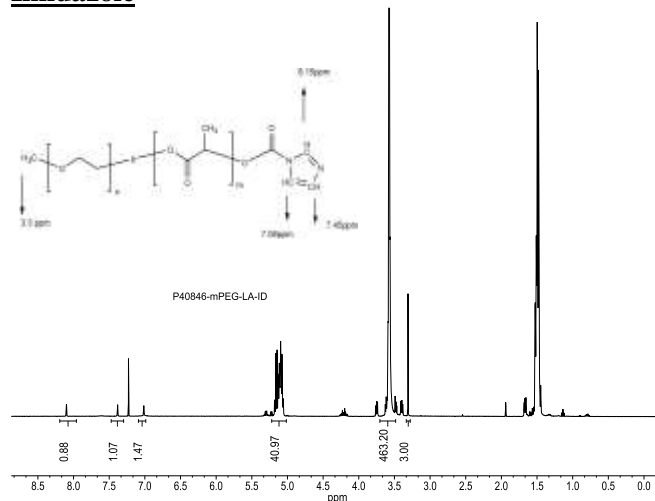
Characterization:

The product was characterized by size exclusion chromatography (SEC), and ¹H NMR.

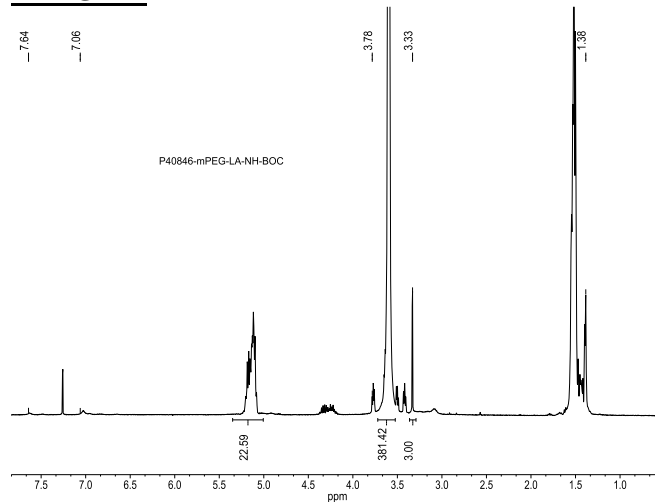
¹H-NMR Spectrum of the block copolymer: EOLA



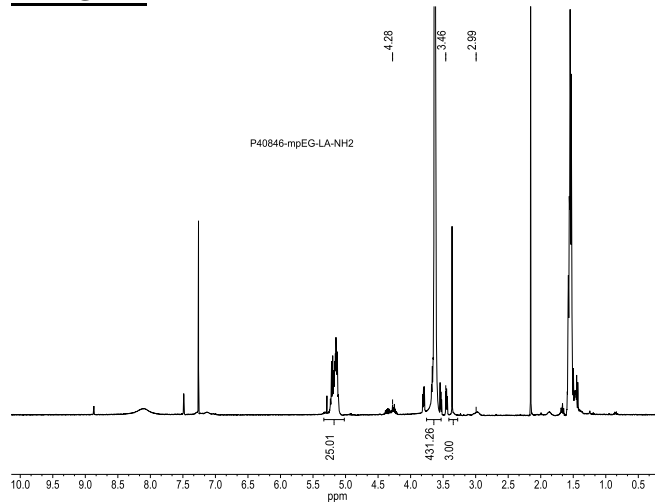
¹H-NMR Spectrum of the block copolymer EOLA-Imidazole



¹HNMR spectrum of BOC end functionalized mPEG-LA

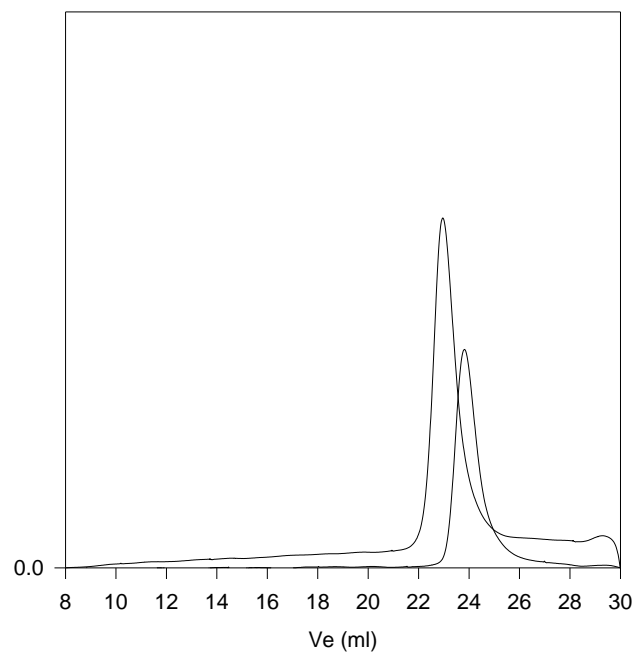


¹HNMR spectrum of amino end functionalized mPEG-LA



SEC of the block copolymer:

P40846- EOLA (DL form)



Size exclusion chromatography:

—— Poly(ethylene glycol), $M_n=5000$, $M_w=5200$, $PI=1.05$

—— Block Copolymer PEO(5000)-b-PLA(3,400), $PI=1.10$

Composition from 1H NMR

Dp: EO(114 units)-b-LA (42 units)