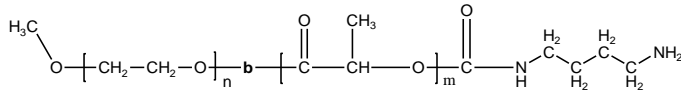


Sample Name:  
**Amino end functionalized Poly (ethylene oxide -b- lactide) (DL form)**

Sample #: **P40810-mPEGLA-NH2**

**Structure:**

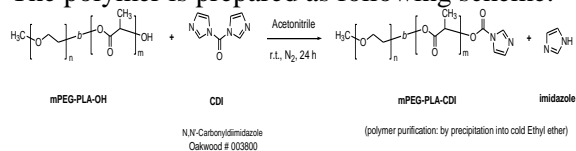


**Composition:**

Mn x 10 <sup>3</sup> PEO-b-PLA	PDI
2.0-b-2.0	1.13

**Synthesis Procedure:**

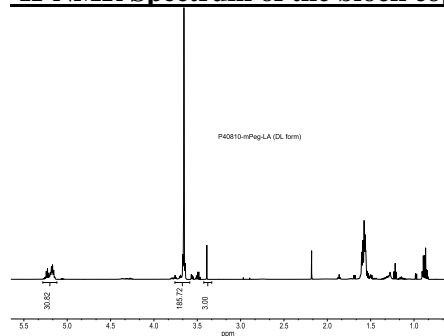
The polymer is prepared as following scheme:



**Characterization:**

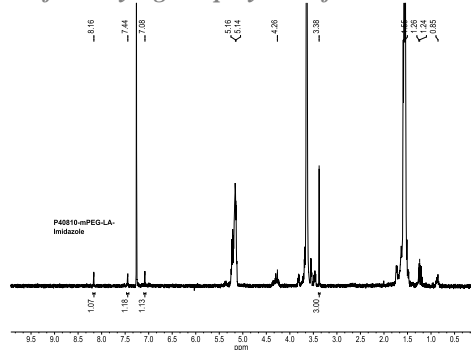
The product was characterized by size exclusion chromatography (SEC), and <sup>1</sup>H NMR.

**<sup>1</sup>H-NMR Spectrum of the block copolymer: EOLA**

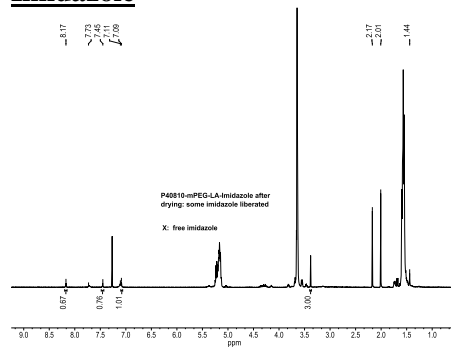


**<sup>1</sup>H-NMR Spectrum of the block copolymer EOLA-Imidazole**

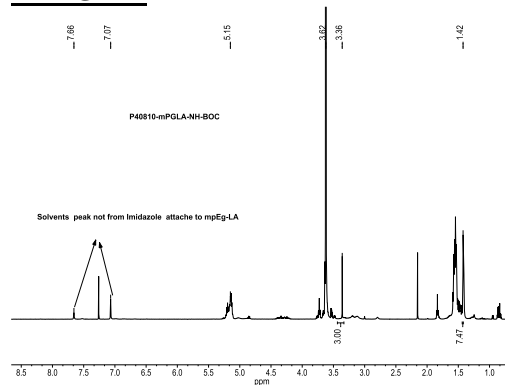
*Before drying the polymer after 3h reaction time*



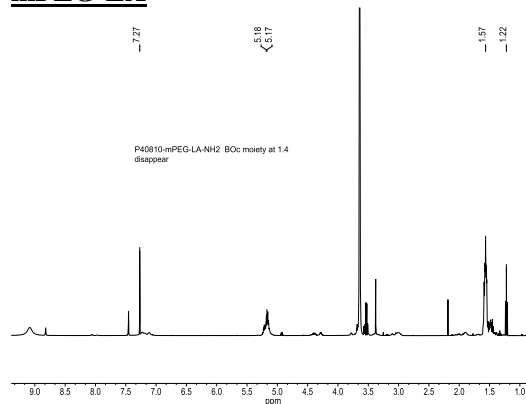
**<sup>1</sup>H-NMR Spectrum of the block copolymer EOLA-Imidazole**



**<sup>1</sup>H-NMR spectrum of BOC end functionalized mPEG-LA**

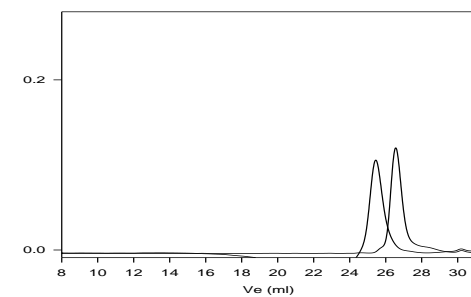


**<sup>1</sup>H-NMR spectrum of amino end functionalized mPEG-LA**



**SEC of the block copolymer:**

**P40810- mPEG-LA-NH2 (DL form)**



Size exclusion chromatography:  
 Poly(ethylene glycol),  $M_n=2000$ ,  $M_w=2100$ ,  $PI=1.06$   
 Block Copolymer PEO(2000)-b-PLA(2000),  $PI=1.13$   
 Composition from <sup>1</sup>H NMR  
 Dp: EO(45 units)-b-LA ( 35 units)