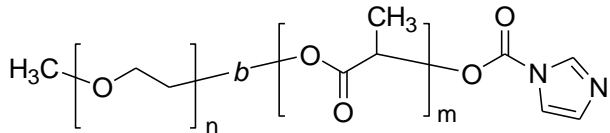


Sample Name:

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

Sample #: **P40846B-mPEGLA-ID (DL form)**

Structure:

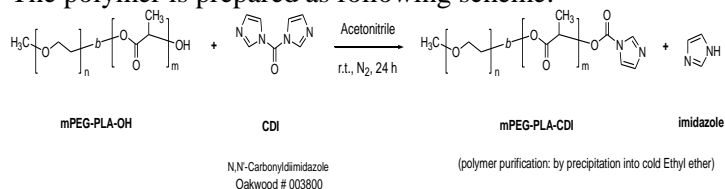


Composition:

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

Synthesis Procedure:

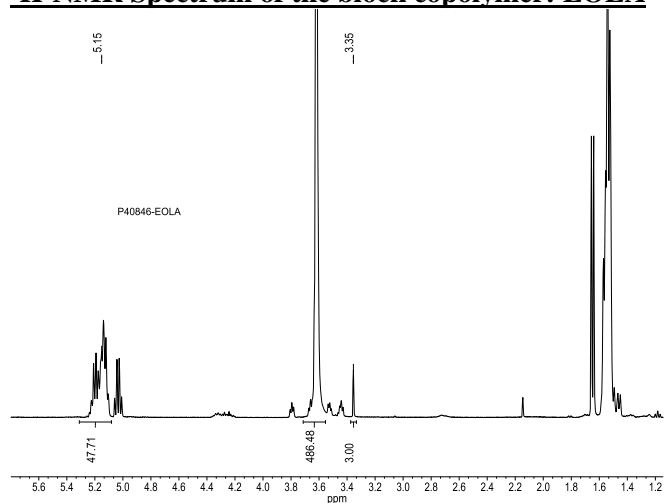
The polymer is prepared as following scheme:



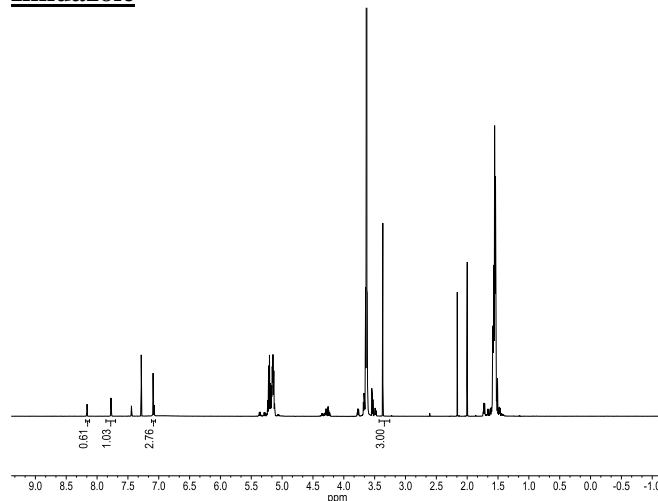
Characterization:

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

¹H-NMR Spectrum of the block copolymer: EOLA

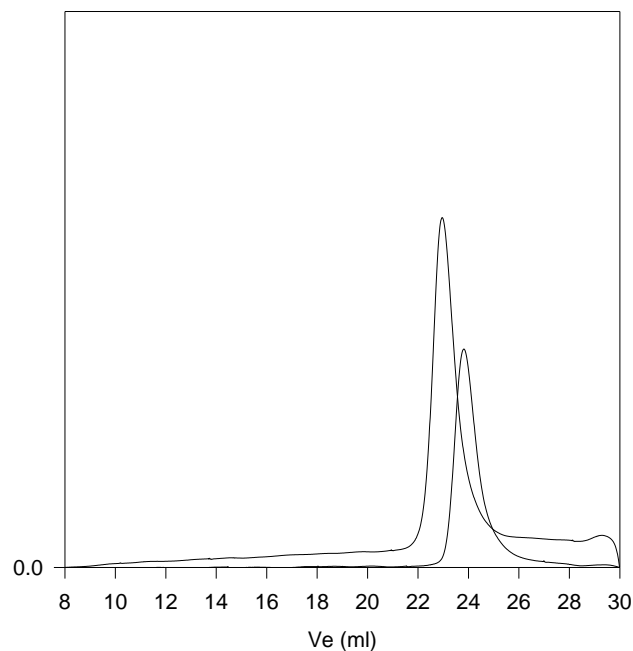


¹H-NMR Spectrum of the block copolymer EOLA-Imidazole



SEC of the block copolymer:

P40846B- EOLA -ID(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)