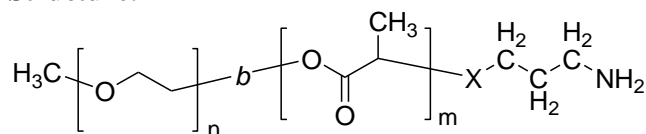


Sample Name: Amino end functionalized Poly (ethylene oxide -b- lactide) (DL form)

Sample #: P41137-mPEGLA-NH2 (DL form)

Structure:



Composition:

	Mn x 10 ³	PDI
PEG-b-LA	2.0-b-2.3	1.13
PEG-LA-NH2	2.0-b-2.0	1.13

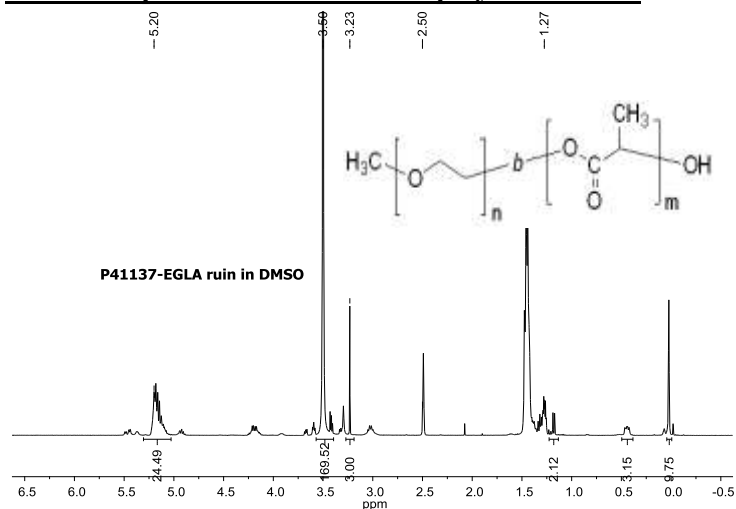
Synthesis Procedure:

The product was synthesized by modification of end group.

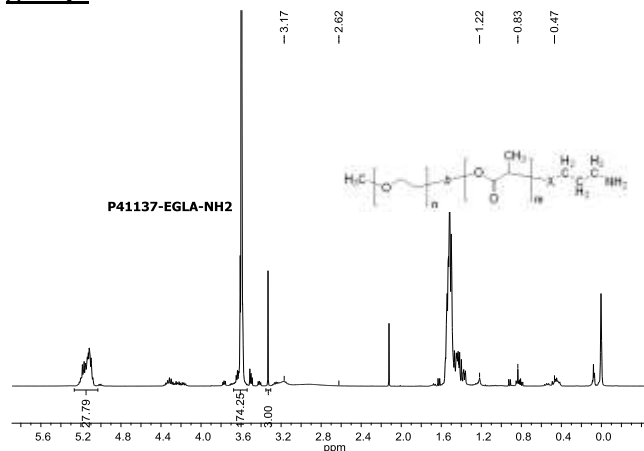
Characterization:

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

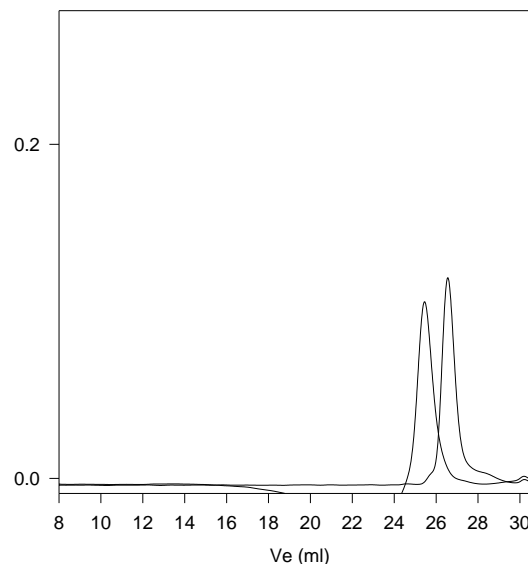
¹H-NMR Spectrum of the block copolymer: EGLA



¹H-NMR Spectrum of the block copolymer: EGLA-NH2 (about 20% redistribution in ester linkages during transformation terminal OH to NH2 end group).



SEC profile of the Polymer PEG-LA-OH:
P41137- EOLA (DL form)



Size exclusion chromatography:

- Poly(ethylene glycol), M_n=2000, M_w=2100, PI=1.06
- Block Copolymer PEO(2000)-b-PLA(2300), PI=1.13
- Composition from ¹H NMR
- Dp: EO(45 units)-b-LA (37 units)