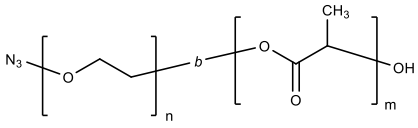
Sample Name: **Poly(ethylene oxide)-b-poly(lactide), α-azide-terminated**

Sample #: **P43634B-N3EGLA (DL form)**

Structure:

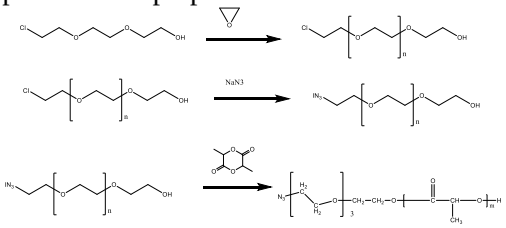


Composition:

N3EG-b-LA Mn x 10^3	PDI
1.0-b-0.3	1.27

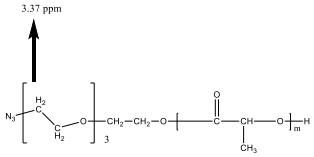
Synthesis Procedure:

The product was synthesized by modification of end group. The following reaction scheme shows how the product was prepared:

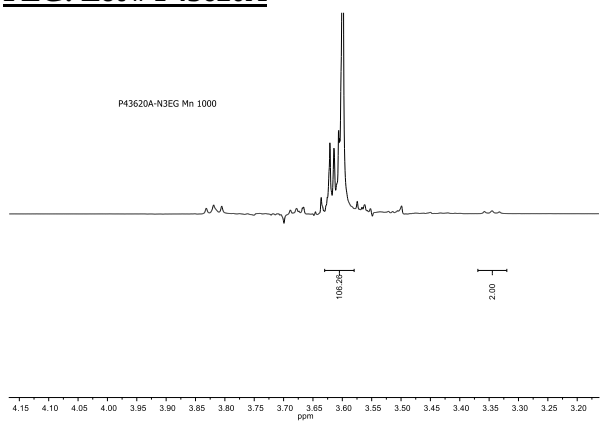


Characterization:

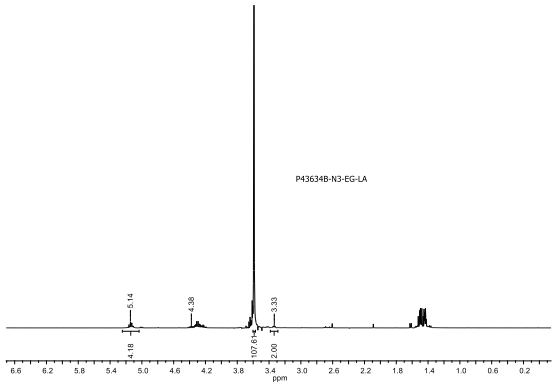
The product was characterized by size exclusion chromatography (SEC), and ^{1}H NMR.



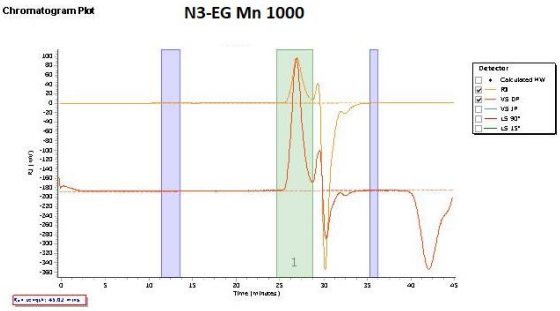
HNMR spectrum of α-azide-ω-OH terminated PEG: Lot # P43620A



^{1}H-NMR Spectrum of the block copolymer:



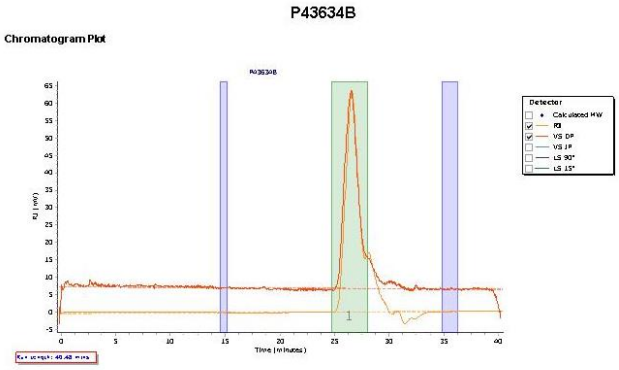
SEC profile of the Polymer PEG-LAOH:



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	1322	1014	1336	1725	2310	1576	1.318

SEC elugram of the polymer:



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	2422	1961	2493	3065	3632	2861	1.272

Composition calculated from HNMR and Mw/Mn by GPC.