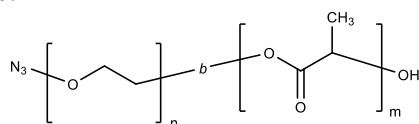


Sample Name: Poly(ethylene oxide)-b-poly(lactide), α -azide-terminated

Sample #: P43634-N3EGLA (DL form)

Structure:

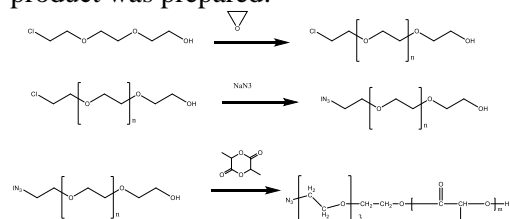


Composition:

N3EG-b-LA Mn x 10 ³	PDI
1.0-b-0.5	1.3

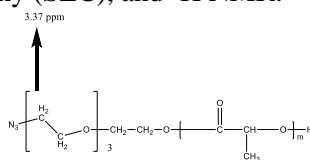
Synthesis Procedure:

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

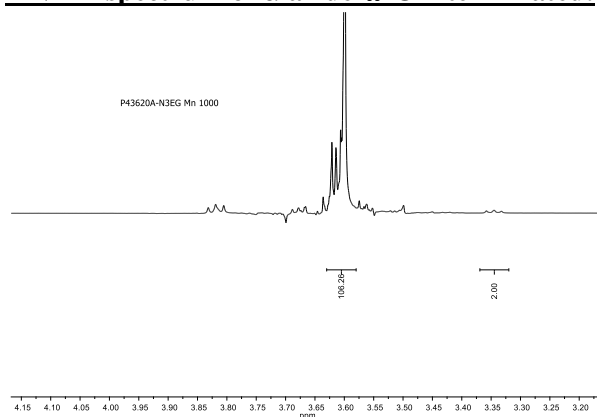


Characterization:

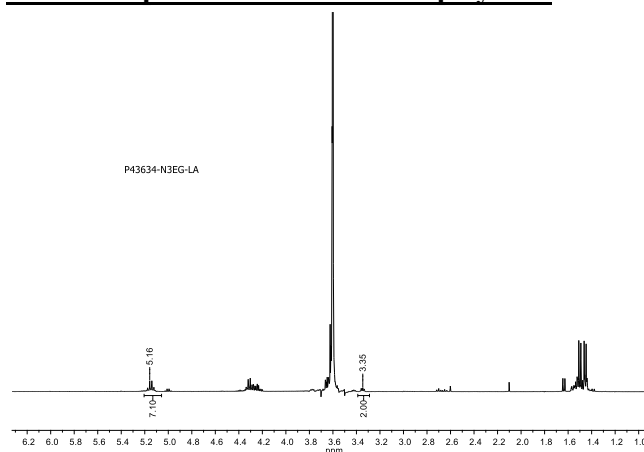
The product was characterized by size exclusion chromatography (SEC), and ¹H NMR.



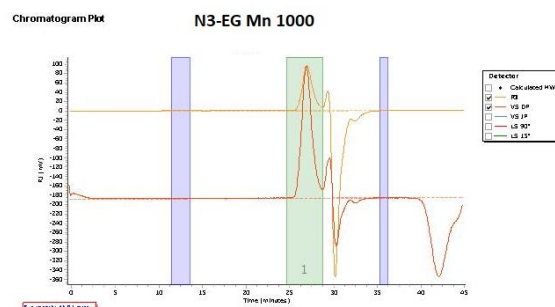
HNMR spectrum of α -azide- ω -OH terminated:



¹H-NMR Spectrum of the block copolymer:

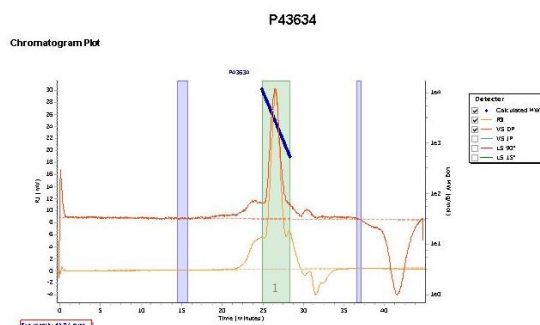


SEC profile of the Polymer PEG-LA-OH:



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

SEC elugram of the polymer:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mw (g/mol)	PD
Peak 1	2595	2060	3150	4618	6295	3944	1.529

Composition calculated from HNMR and Mw/Mn by GPC.