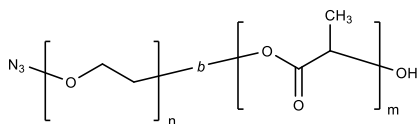


Sample Name: Poly(ethylene oxide)-b-poly(lactide), α -azide-terminated

Sample #: P43638A-N3EGLA (DL form)

Structure:

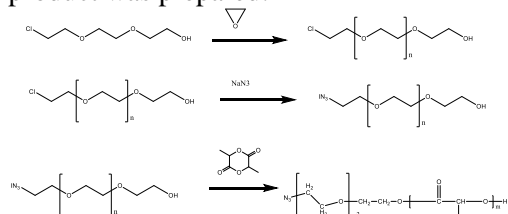


Composition:

N3EG-b-LA Mn x 10 ³	PDI
1.0-b-1.1	1.27

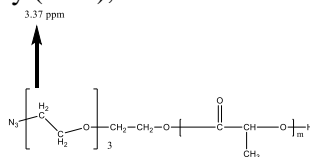
Synthesis Procedure:

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

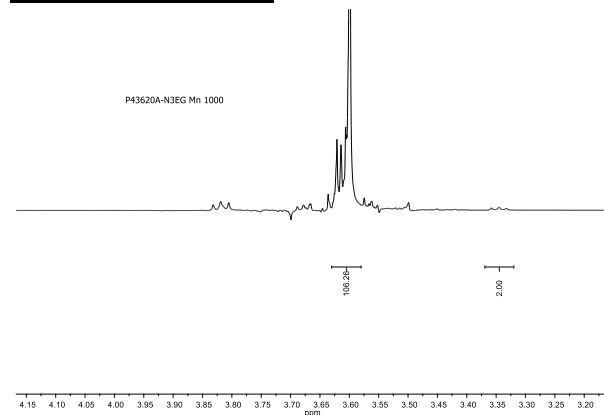


Characterization:

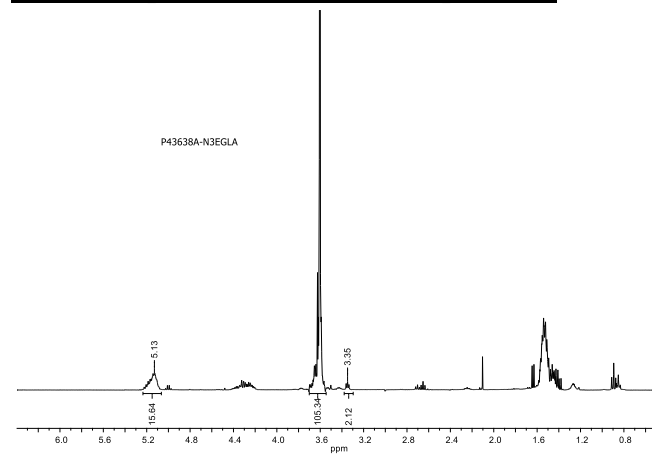
The product was characterized by size exclusion chromatography (SEC), and ¹H NMR.



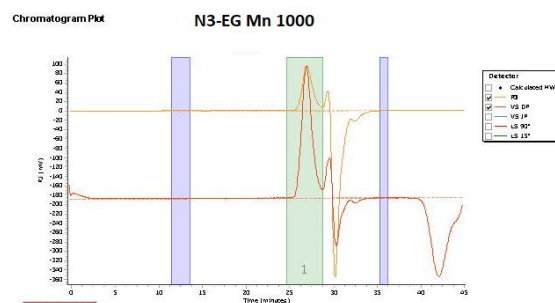
HNMR spectrum of α -azide- ω -OH terminated PEG: Lot # P43620A



¹H-NMR Spectrum of the block copolymer:

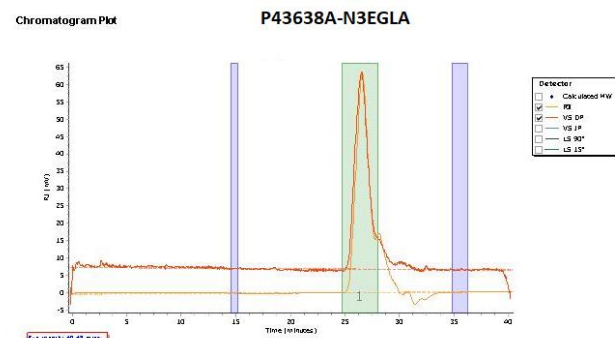


SEC profile of the Polymer PEG-LAOH:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mw (g/mol)	PDI
Peak 1	1322	1014	1336	1726	2310	1316	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)	PDI
Peak 1	2422	1961	2493	3065	3632	2661	1.272

Composition calculated from HNMR and Mw/Mn by GPC.