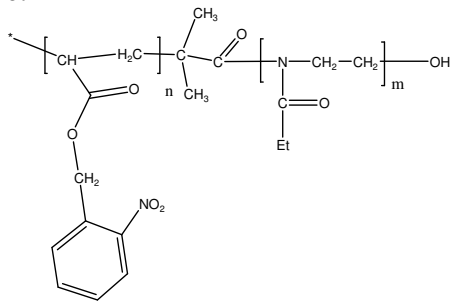


Sample Name: UV Cleavable (at 350nm)
Poly(ethyloxazoline-b-2-nitrobenzylacrylate)

Sample #: P40150A-EtOXZONBACleav

Structure:



Composition:

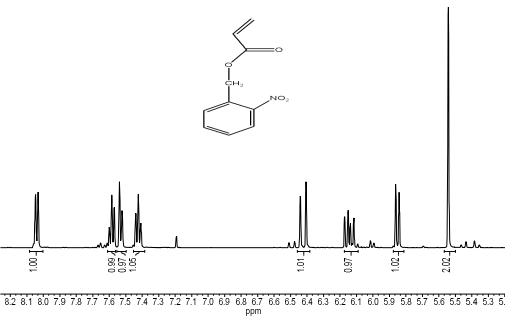
Mn x 10 ³ EtOXZ-b-ONBA	PDI
6.0-b-60.0	2.6

Synthesis Procedure:

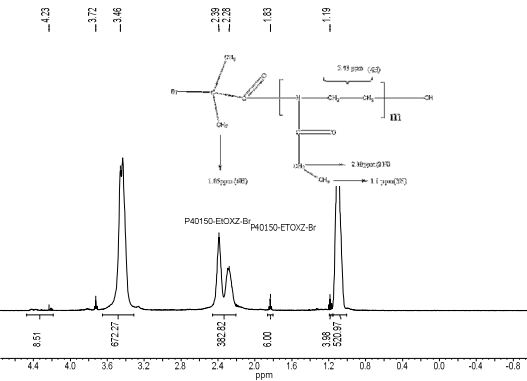
The polymer was synthesized by ionic and controlled radical process.

Characterization: The polymer was characterized by ¹H NMR and SEC.

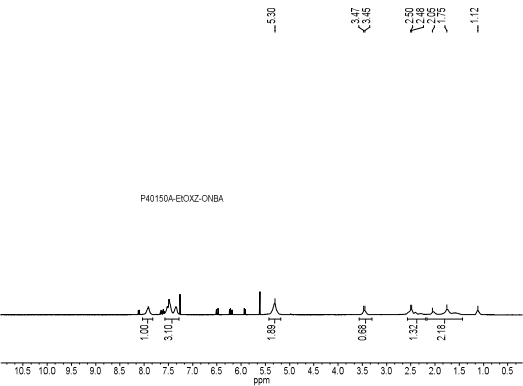
¹H NMR spectrum of the ONB-Acrylate:



¹H NMR Spectrum of the macroinitiator:
Chemical Shifts in CdCl₃

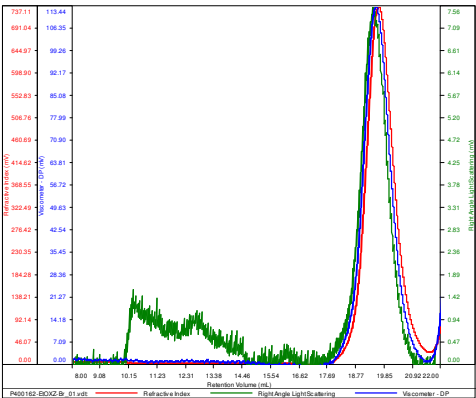


¹H NMR Spectrum of the block copolymer:



SEC elugram of the block copolymer:
P40162-EtOXZ-CMe2Br

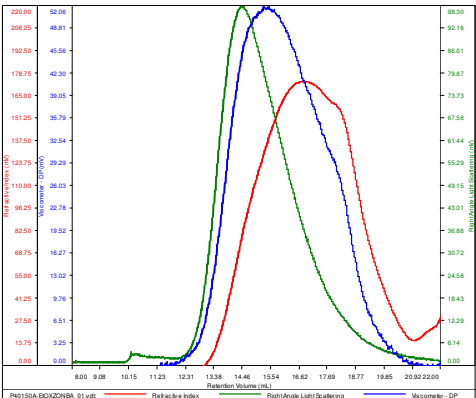
Conc (mg/mL)	67.5552
dn/dc (mL/g)	0.0960
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w/0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P400162-EtOXZ-Br_01.vcl	6,026	7,113	6,997	1.180	0.0466

P40150A-EtOXZONBA

Conc (mg/mL)	29.8550
dn/dc (mL/g)	0.0650
Method	PS80k-October2016-0000.vcm
Solvent	DMF w/0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40150A-EtOXZONBA_01.vcl	66,059	176,842	81,681	2.677	0.1630