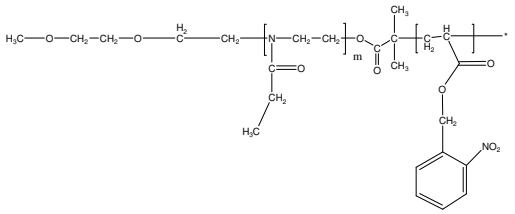
Sample Name: **UV Cleavable (at 350nm) Poly(ethyloxazoline-b-2-nitrobenzylacrylate)**

Sample #: **P40132-EtOXZONBACleav**

Structure:



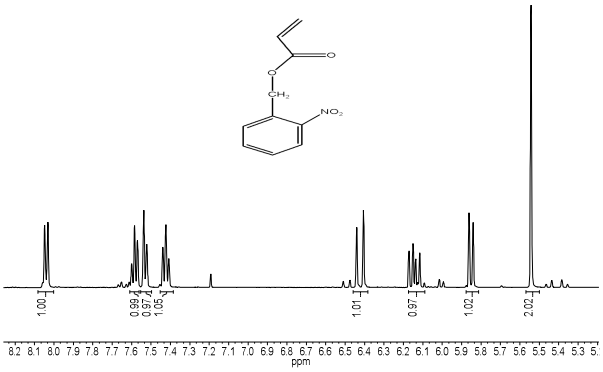
Composition:

Mn x 10^3 EtOXZ-b-ONBA	PDI
7.0-b-21.0	1.25

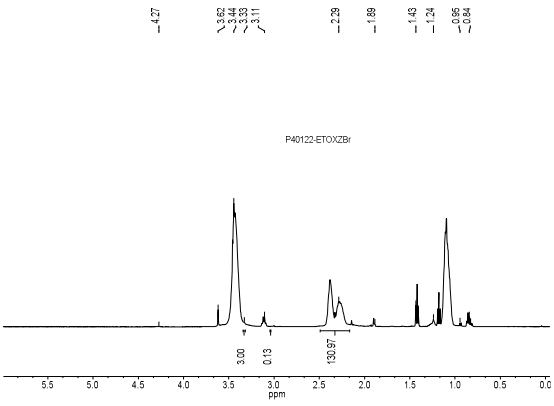
Synthesis Procedure:
The polymer was synthesized by ionic and controlled radical process.

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

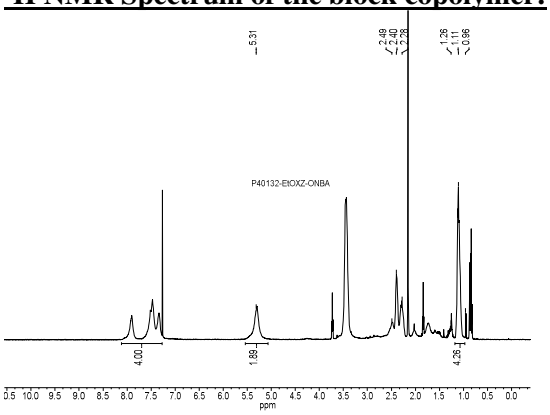
^{1}H NMR of the ONB-Acrylate:



^{1}H NMR Spectrum of the macroinitiator:



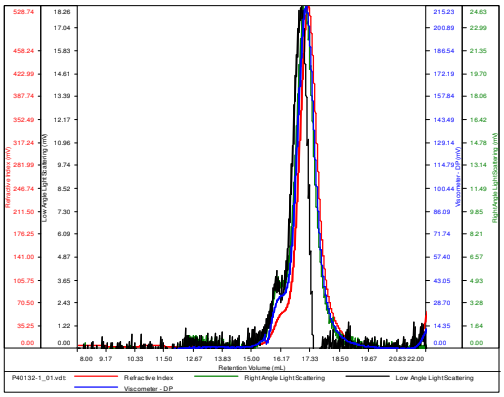
^{1}H NMR Spectrum of the block copolymer:



SEC elugram of the block copolymer:

P40132-1-EtOXZ-

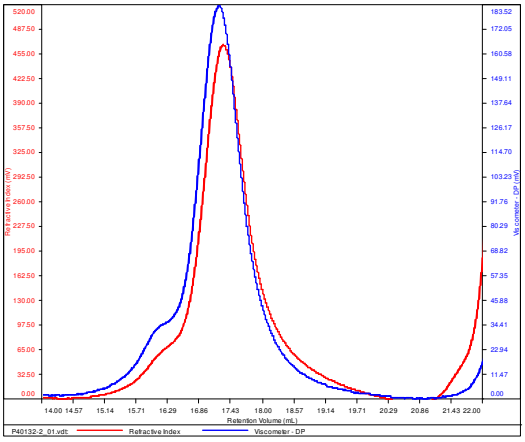
Conc (mg/mL)	8.2205
dn/dc (mL/g)	0.1650
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40132-1_01.vdt	7,187	7,850	7,175	1.092	0.5753

P40132-EtOPXzONBA

Conc (mg/mL)	18.8585
dn/dc (mL/g)	0.0780
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40132-2_01.vdt	28,220	35,067	21,695	1.243	0.2556