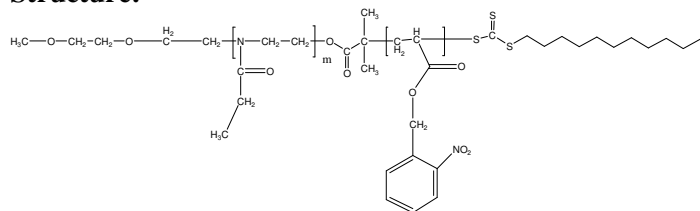


Sample Name: Poly(ethyloxazoline-b-O-Nitrobenzylacrylate)

Sample #: P40117C-EtOXZONBA

Structure:

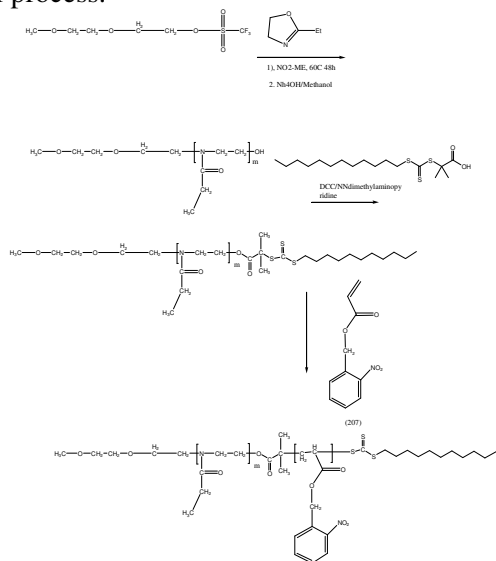


Composition:

Mn x 10 ³ EtOXZ-b-ONBA	PDI
5.0-b-2.2	1.24

Synthesis Procedure:

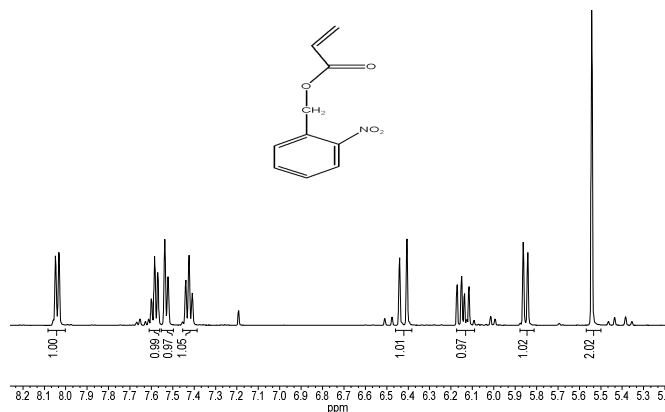
The polymer was synthesized by ionic and controlled radical process.



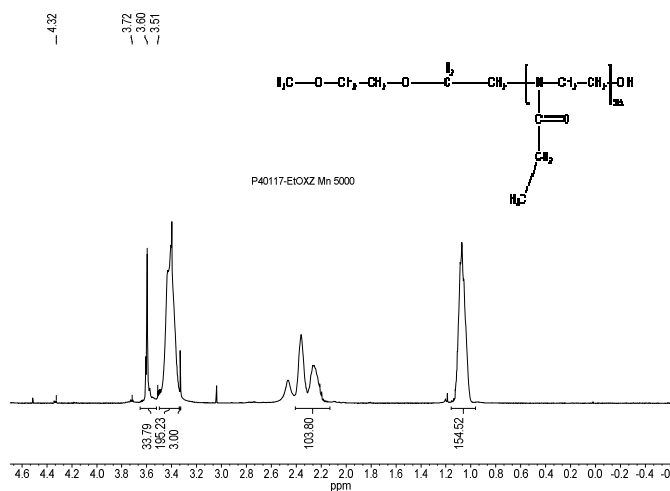
Macroinitiator is EtOXZ-RAFT

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

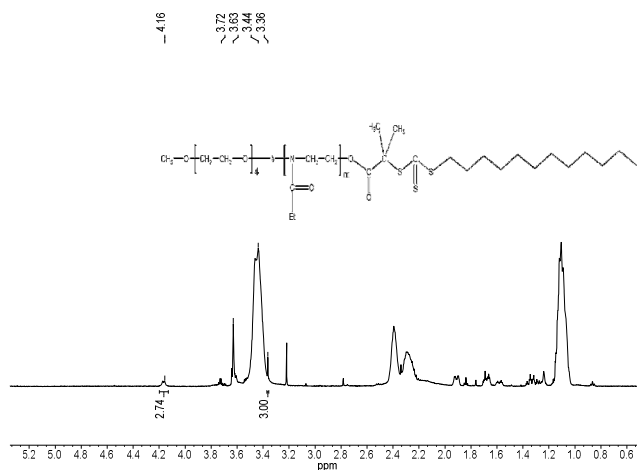
¹H NMR spectrum of the ONB-Acrylate:



¹H NMR spectrum of EtOXZ-OH:

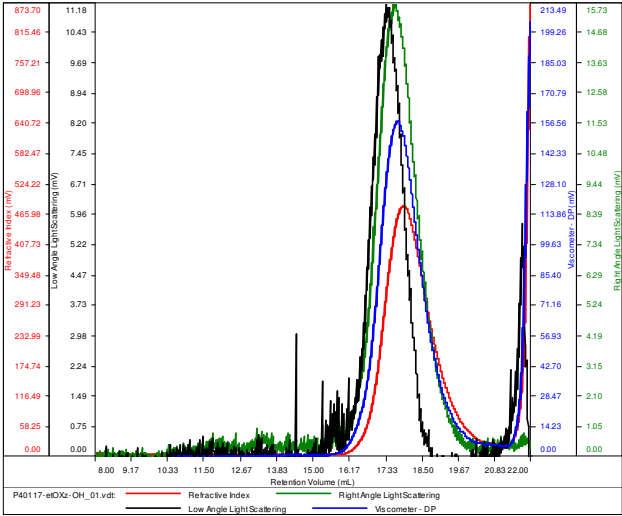


¹H NMR Spectrum of the macroinitiator-ETOXZ-RAFT (P40117A-EtOXZ-RAFT)



SEC elugram of the block copolymer:
P40117-EtOXZ-OH

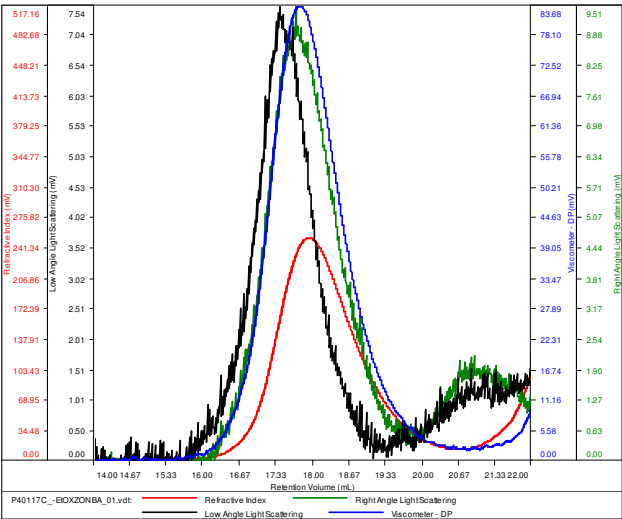
Conc (mg/mL)	14.6752
dn/dc (mL/g)	0.1500
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	MwMn	IV
P40117-etOXz-OH_01.vdt	4,130	5,199	5,231	1.259	0.3889

P40117C-ETOXZONBA

Conc (mg/mL)	10.2681
dn/dc (mL/g)	0.1100
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	MwMn	IV
P40117C_-ETOXZONBA_01.vdt	6,183	7,665	7,951	1.240	0.2974