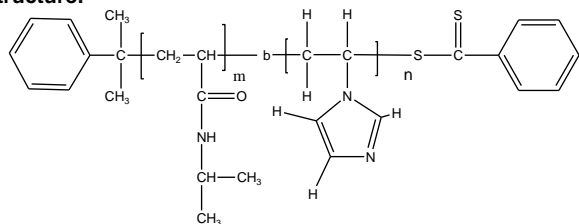


Sample Name: Poly(N-isopropyl acrylamide-b-N-Vinylimidazole)

Sample #: P18175A-NIPAM-VIMDZ

Structure:

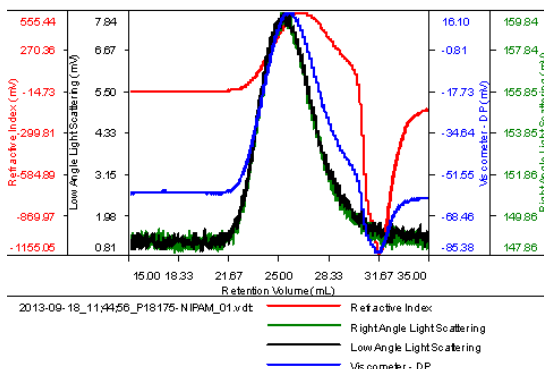


Composition:

Mn x 10 ³	PDI
5.5-b-11.0	1.35

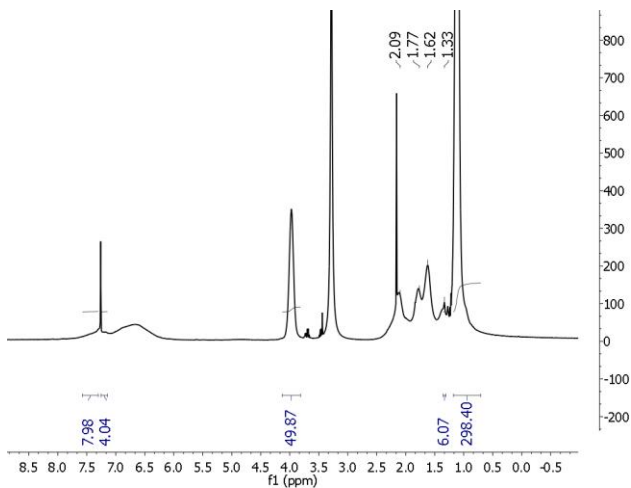
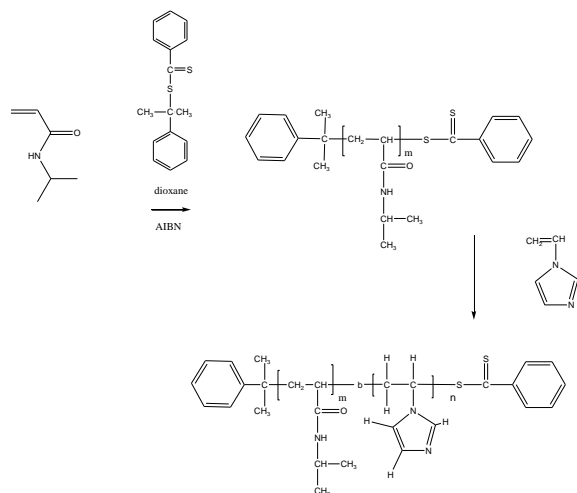
SEC of Poly NIPAM-macroinitiator

ID	P18175-NIPAM
Conc	4.6248
Recovery	0.0000
dn/dc	0.0750
Method	PS801K-AUG 2013-0000.vcm
Solvent	DMF w 0.05M LiBr
Column	PSS

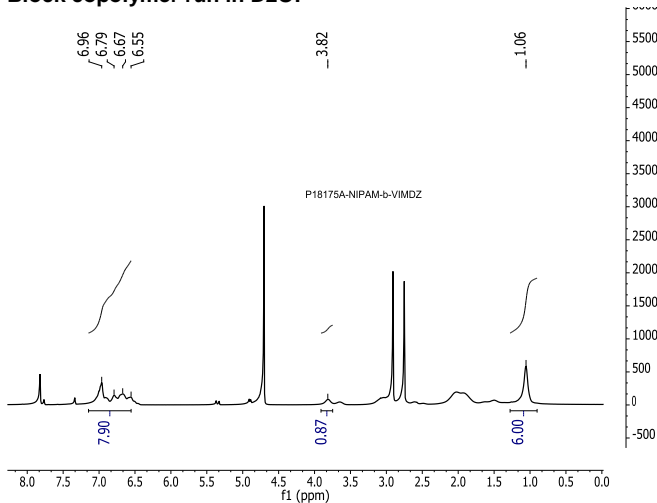


Synthesis Procedure:

Polymer is obtained by RAFT process



Block copolymer run in D2O:



Characterization:

The molecular weight and polydispersity index (PDI) of poly(N-isopropyl acrylamide) are obtained by size exclusion chromatography.

Solubility:

Polymer is soluble in water, DMF, THF, acetone, insoluble in hexane and ether.