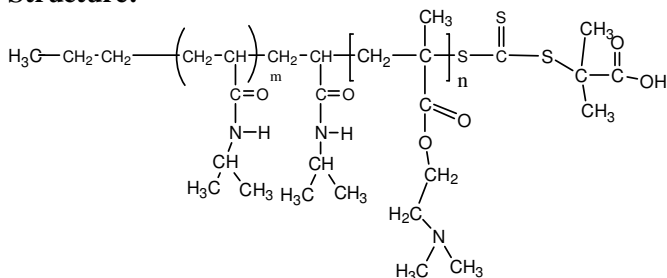


Sample Name:

Poly(N-isopropylacrylamide -b- NN-dimethylaminoethylmethacrylate)

Sample #: **P16068B1-NIPAMDMAEMA**

Structure:



Composition:

Mn x 10 ³	3.0-b-59.0
PNIPAM-b-NNDMAEMA	
PDI	1.6

Synthesis Procedure: Poly(N-isopropylacrylamide -b- NN-dimethylaminoethylmethacrylate) was synthesized by atom transfer radical polymerization.

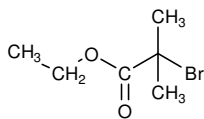
Characterization:

The molecular weight and polydispersity index (PDI) of diblock copolymer were obtained by size exclusion chromatography (SEC). The composition of the polymer was characterized by NMR.

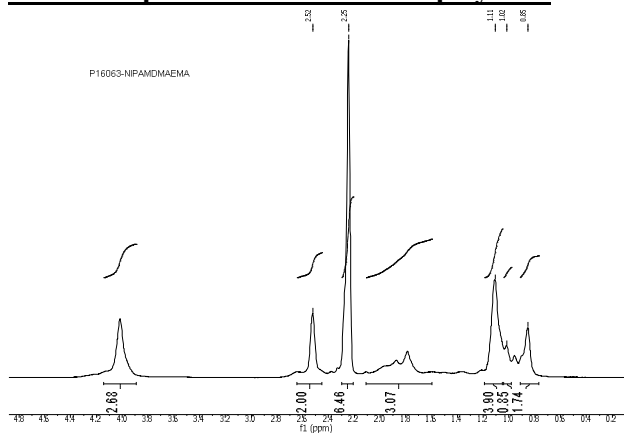
Solubility:

The polymer is soluble in THF, DMF, Acetone.

ATRP reagent used for polymerization:



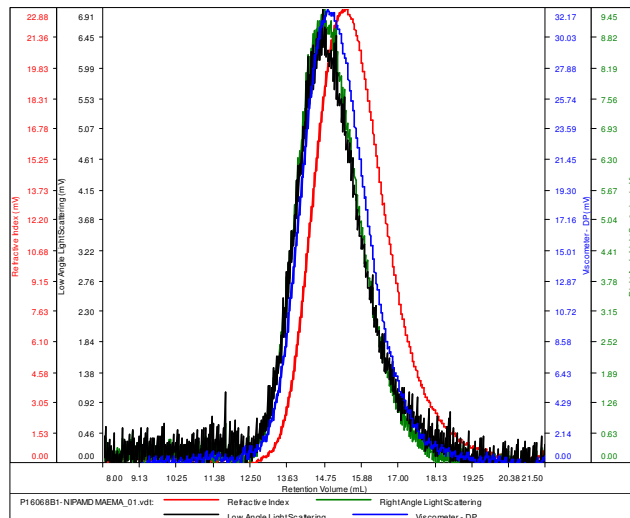
¹H NMR Spectrum of the block copolymer:



SEC elugram of the polymer:

P16068-B1-NIPAMDMAEMA

Conc (mg/mL)	2.7977
dn/dc (mL/g)	0.0800
Method	PS80k-May-25-2016-0000.vcm
Solvent	DMF w/0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16068B1-NIPAMDMAEMA_01.vdt	61,826	100,189	87,314	1.621	0.3022