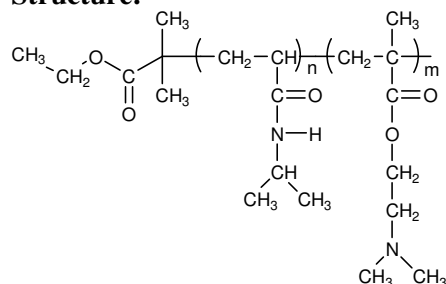


Sample Name: Poly(N-isopropylacrylamide -b- NN-dimethylaminoethylmethacrylate)

Sample #: P16063F1-NIPAMDMAEMA

Structure:



Composition:

Mn x 10 ³ PNIPAM-b-NNDMAEMA	48.5-b-110.5
PDI	1.63

Dp for each block PNIPAM-b-NNDMAEMA	428-b-703
----------------------------------------	-----------

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

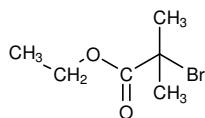
Characterization:

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.

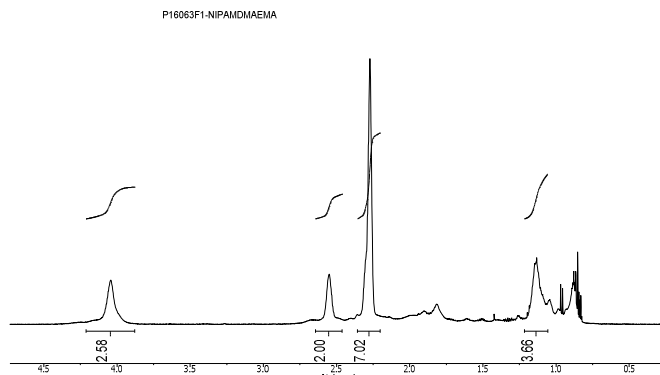
Solubility:

The polymer is soluble in THF, DMF, Acetone.

ATRP reagent used for polymerization:



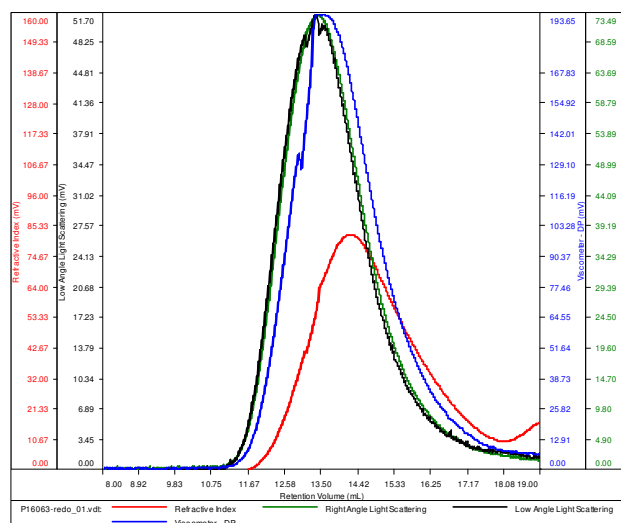
¹H NMR Spectrum of the block copolymer:



SEC elugram of the polymer:

P16063F1-NIPAMDMAEMA

Conc (mg/mL)	8.1361
dn/dc (mL/g)	0.0800
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16063-redo_01.vdt	158,930	258,712	224,954	1.628	0.6650