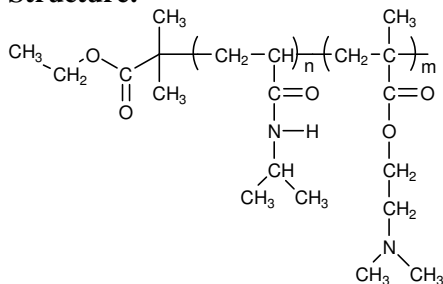


Sample Name:

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

Sample #: **P16064A-NIPAMDMAEMA**

Structure:



Composition:

Mn x 10 ³ PNIPAM-b-NNDMAEMA	24.0-b-33.0
PDI	1.29

Dp for each block PNIPAM-b-NNDMAEMA	211-b-211
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Synthesis Procedure: Poly(N-isopropylacrylamide -b- NN-dimethylaminoethylmethacrylate) was synthesized by atom transfer radical polymerization.

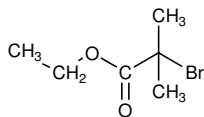
Characterization:

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.

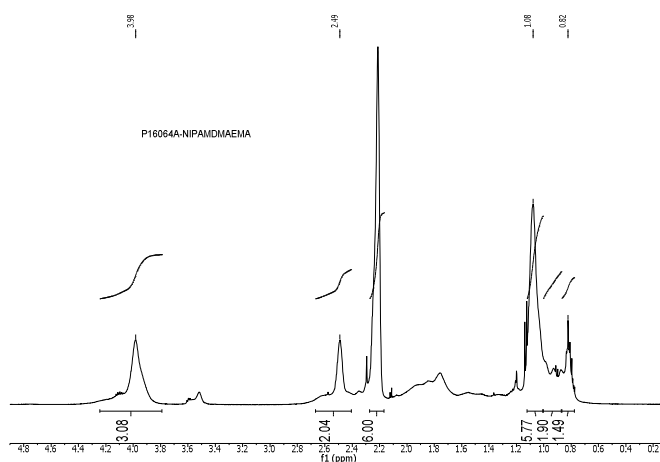
Solubility:

The polymer is soluble in THF, DMF, Acetone.

ATRP reagent used for polymerization:



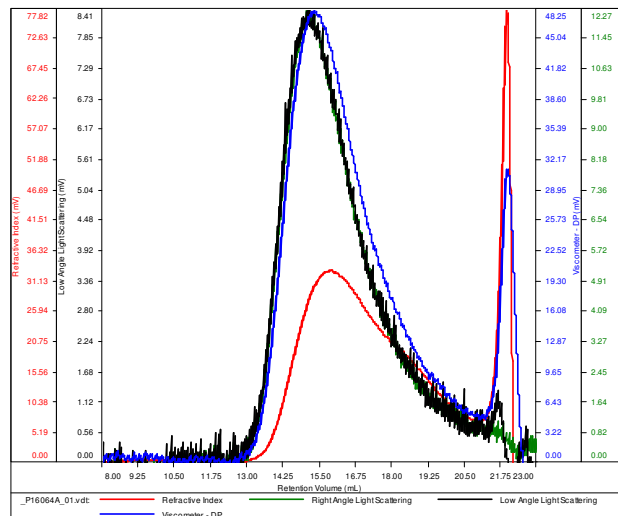
¹H NMR Spectrum of the block copolymer:



SEC elugram of the polymer:

P16064A-NIPAMDMAEMA

Conc (mg/mL)	5.8885
dn/dc (mL/g)	0.0800
Method	PS80k-July22-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
_P16064A_01.vdt	56,956	73,352	77,339	1.288	0.3105