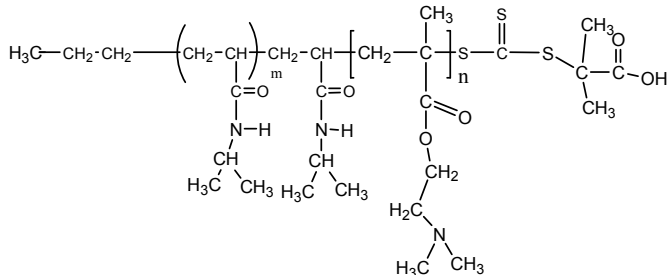


Sample Name:

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

Sample #: **P16068F-NIPAMDMAEMA**

Structure:



Composition:

Mn x 10³	PDI
PNIPAM-b-NNDMAEMA	
18.0-b-12.0	2.1

Synthesis Procedure:

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

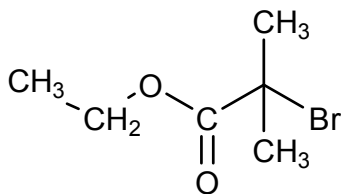
Characterization:

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

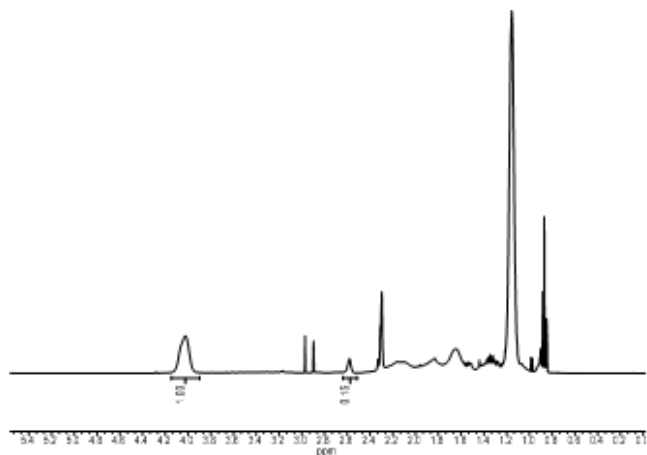
Solubility:

The polymer is soluble in THF, DMF, and Acetone.

ATRP reagent used for polymerization:



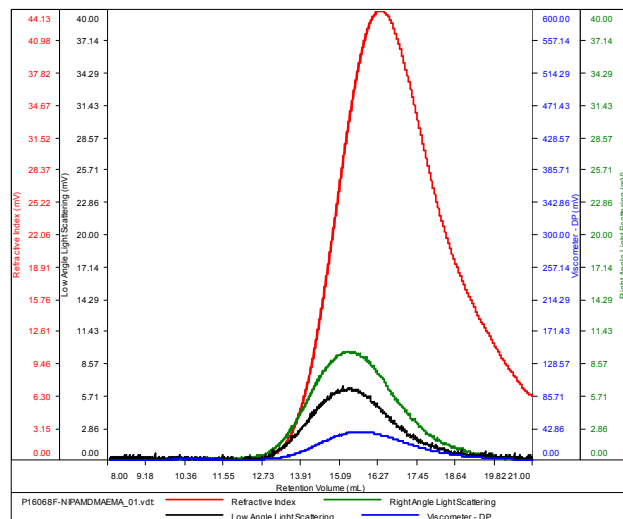
¹H NMR Spectrum of the block copolymer:



SEC elugram of the polymer:

P16068F-NIPAMDMAEMA

Conc (mg/mL)	16.0151
dn/dc (mL/g)	0.0650
Method	PS80k_December-2016-0004.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16068F-NIPAMDMAEMA_01.vdt	29,056	61,147	55,124	2.104	0.0808