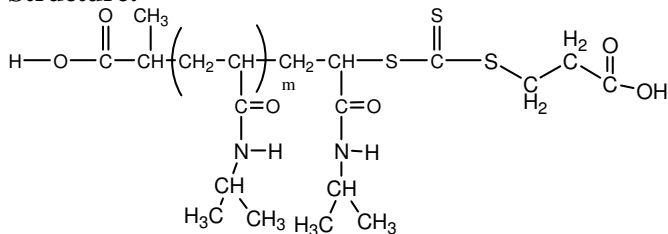


Sample Name:

**$\alpha,\omega$ -dicarboxy terminated poly(N-isopropyl acrylamide)**

Sample #: **P16057-NIPAM-2COOH**

**Structure:**

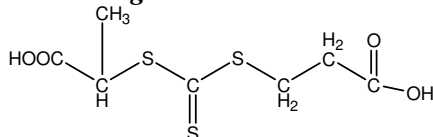


**Composition:**

Mn x 10 <sup>3</sup>	PDI
6.0	1.13

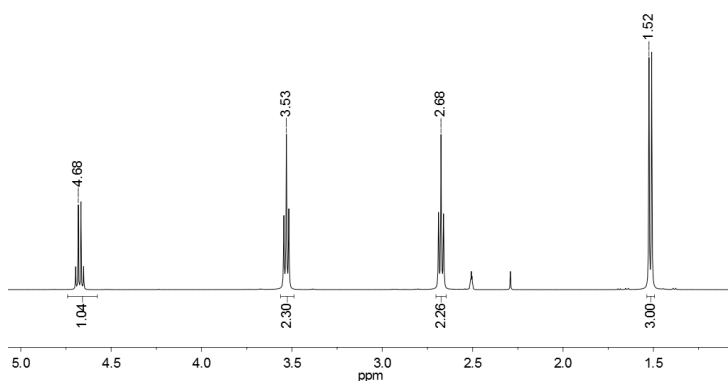
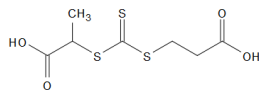
**Synthesis Procedure:** The polymer was synthesized by RAFT process

**RAFT reagent used:**



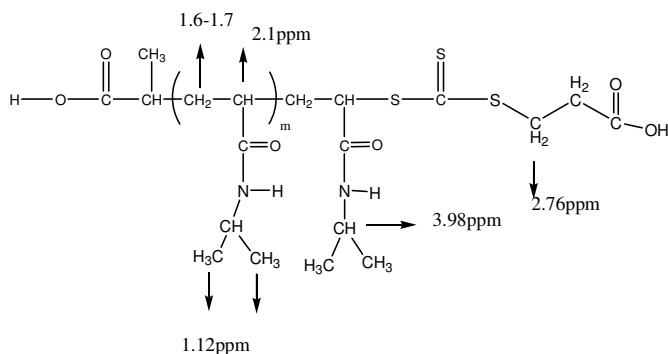
**<sup>1</sup>H NMR spectrum of the RAFT reagent:**

<sup>1</sup>H NMR (500MHz, DMSO-d<sub>6</sub>): P20260A-RAFT

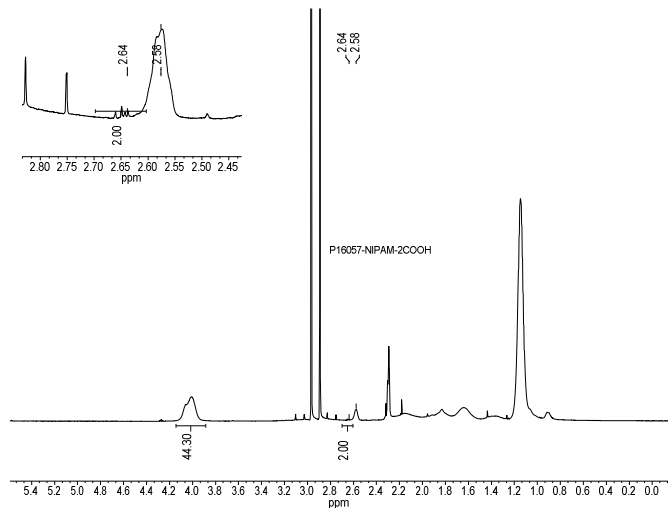


**Characterization:** The polymer was characterized by <sup>1</sup>H NMR and SEC analysis.

**Solubility:** The polymer is soluble in THF, DMF, Acetone.



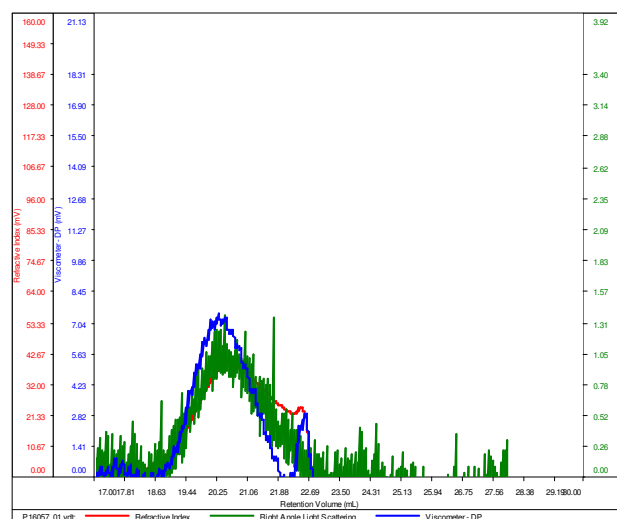
**<sup>1</sup>H NMR Spectrum of the polymer:**



**SEC elugram of the polymer:**

**P16057-NIPAM First Block**

Conc (mg/mL)	4.4428
dn/dc (mL/g)	0.0770
Method	PS80K-May-25-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16057_01.vdt	5,794	6,528	6,791	1.127	0.0316