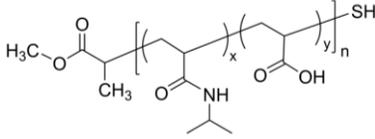


Sample Name: Poly(N-isopropylacrylamide-co-acrylic acid), ω-thiol-terminated

Sample#: P60657F2-NIPAMAAran-SH

Structure:

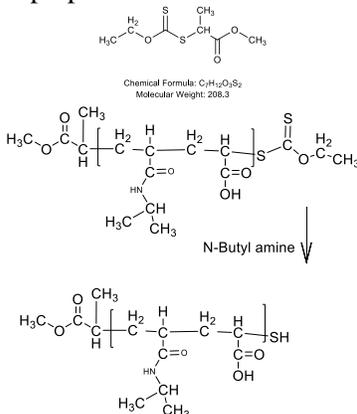


Composition:

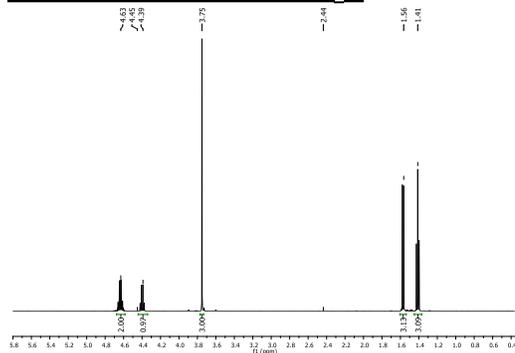
$M_n \times 10^3$	PDI
27.5	1.09
Poly (NIPAM) ₈₆ -P(AA) ₁₄	

Synthesis Procedure:

The polymer was synthesized by RAFT polymerization process using following RAFT. The following reaction scheme shows how the product was prepared:



¹H NMR (400 MHz, CDCl₃):



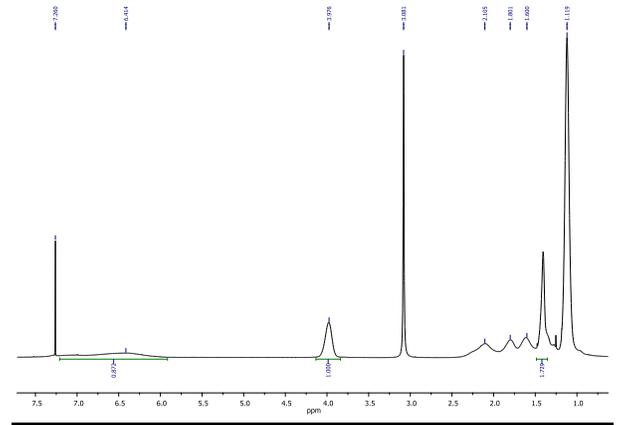
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR data analysis.

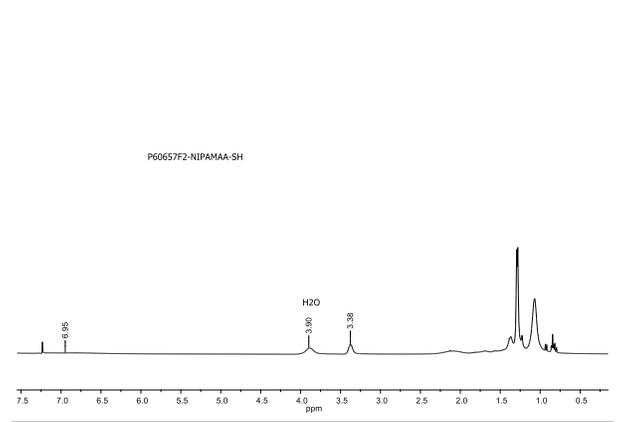
Solubility:

Polymer is soluble in cold water and methanol.

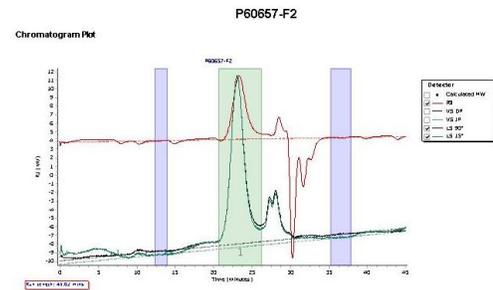
HNMR of the polymer run in CdCl₃



HNMR of the polymer run in CdCl₃



SEC elugram of the Sample:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PO
Peak: 1	30531	27510	30141	32261	34726	32016	1.096