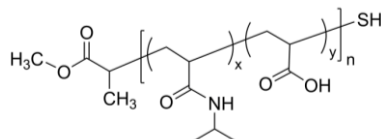


Sample Name: Poly(N-isopropylacrylamide-co-acrylic acid), ω -thiol-terminated

Sample#: P60660-NIPAMAAran-SH

Structure:

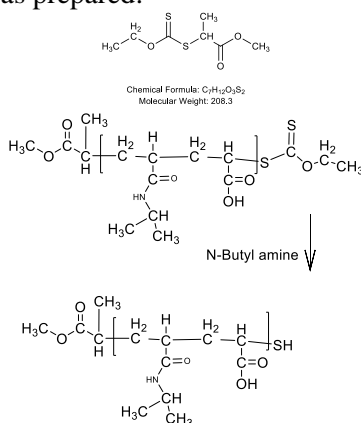


Composition:

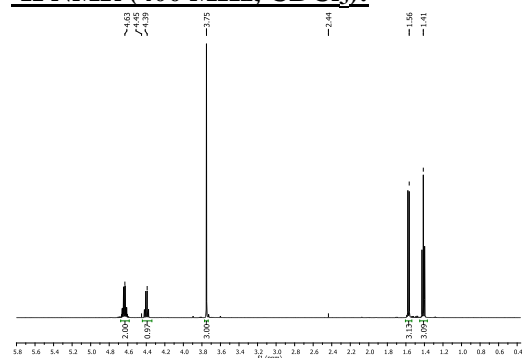
$M_n \times 10^3$	PDI
11.0	1.5
Poly (NIPAM) ₈₅ -P(AA) ₁₅	

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, $CDCl_3$):



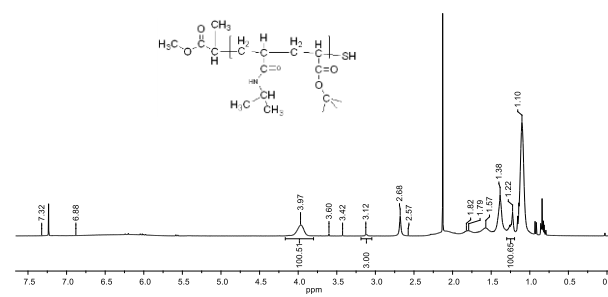
Characterization:

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

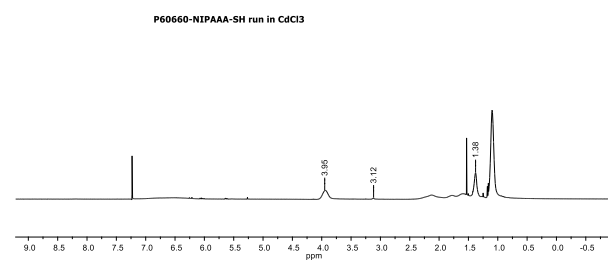
Solubility:

Polymer is soluble in cold water and methanol.

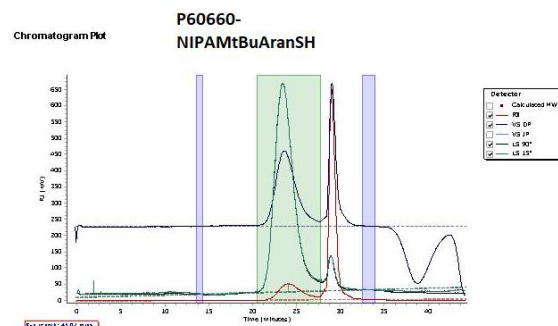
HNMR of the polymer run in $CDCl_3$



HNMR of the polymer run in $CDCl_3$



SEC elugram of NIPAMtBuAranSH copolymer:



Peak	M_p (g/mol)	M_n (g/mol)	M_w (g/mol)	M_z (g/mol)	M_z+1 (g/mol)	M_w (g/mol)	PDI
Peak 1	17401	11124	16675	22429	27796	21783	1.499