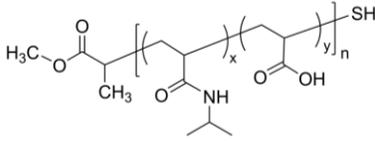


Sample Name: Poly(N-isopropylacrylamide-co-acrylic acid), ω-thiol-terminated

Sample#: P60660-NIPAMAAran-SH

Structure:

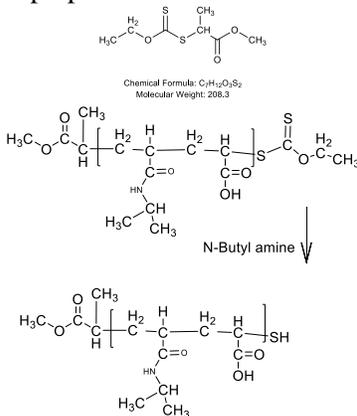


Composition:

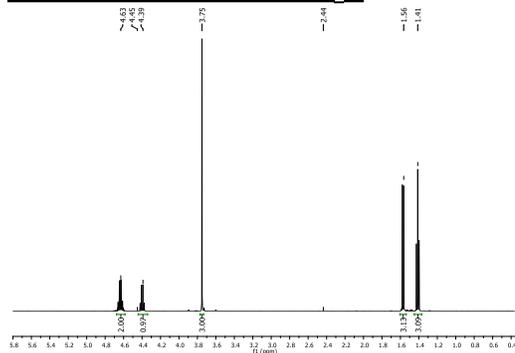
$M_n \times 10^3$	PDI
11.0	1.5
Poly (NIPAM) ₈₅ -P(AA) ₁₅	

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, CDCl₃):



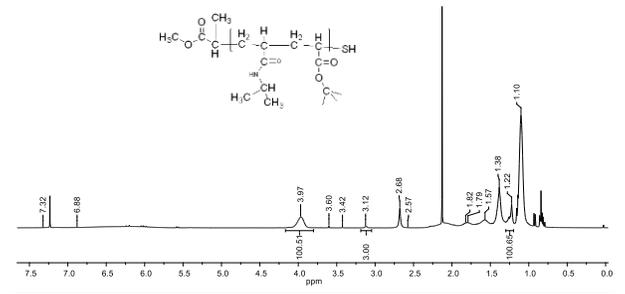
Characterization:

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

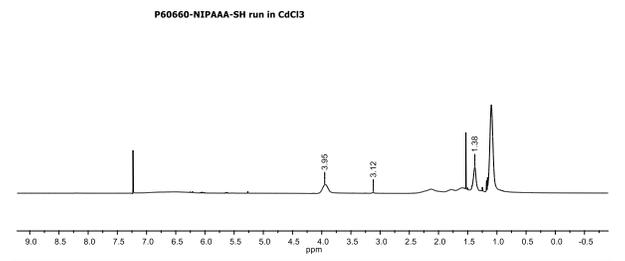
Solubility:

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 NIPAMtBuAranSH copolymer:

