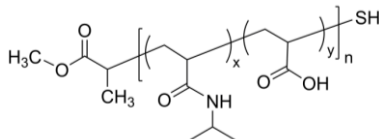


Sample Name: Poly(N-isopropylacrylamide-co-acrylic acid), ω -thiol-terminated

Sample#: P60657F2-NIPAMAAran-SH

Structure:

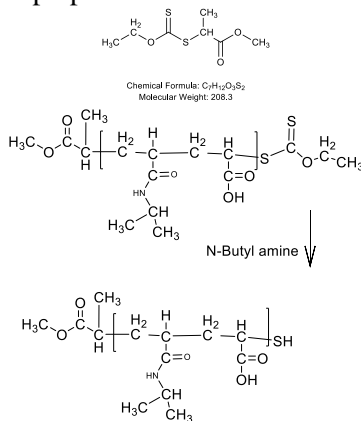


Composition:

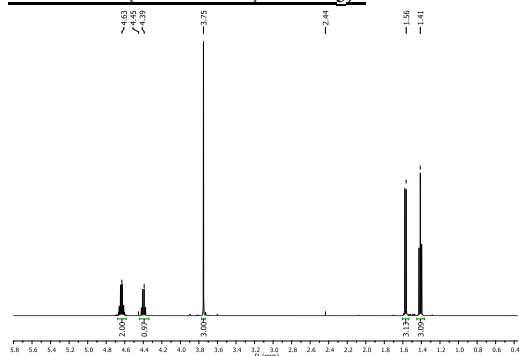
| | |
|---|------|
| $M_n \times 10^3$ | PDI |
| 27.5 | 1.09 |
| Poly (NIPAM) ₈₆ -P(AA) ₁₄ | |

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, $CDCl_3$):



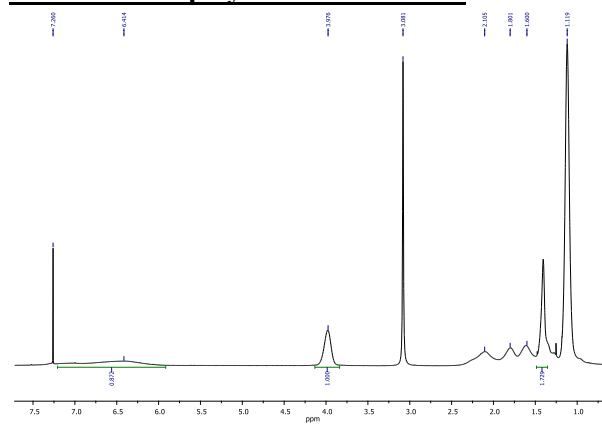
Characterization:

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

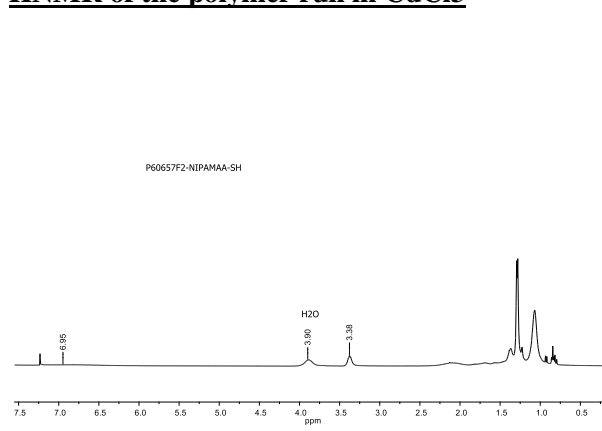
Solubility:

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 the Sample:

