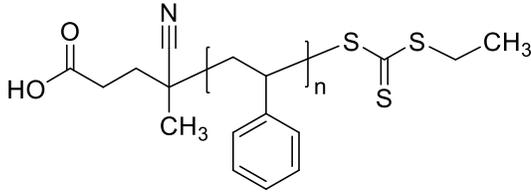


Sample Name: Poly (Styrene), RAFT-agent terminated

Sample #: P16281-SRAFT macroinitiator

Structure:



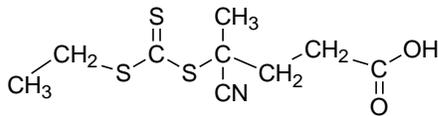
Composition:

$M_n \times 10^3$	PDI
2.7	1.28

Synthesis Procedure:

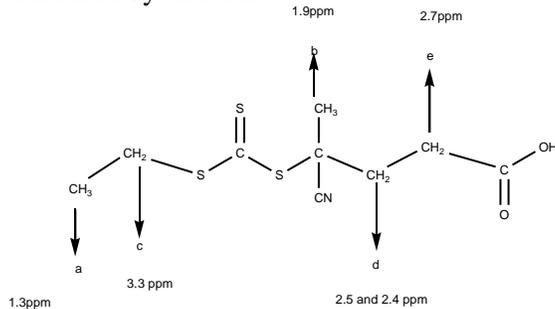
The polymer is prepared By RAFT polymerization process using following RAFT reagent:

Structure:

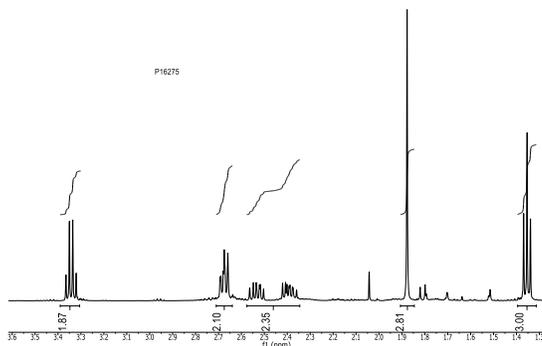


Characterization:

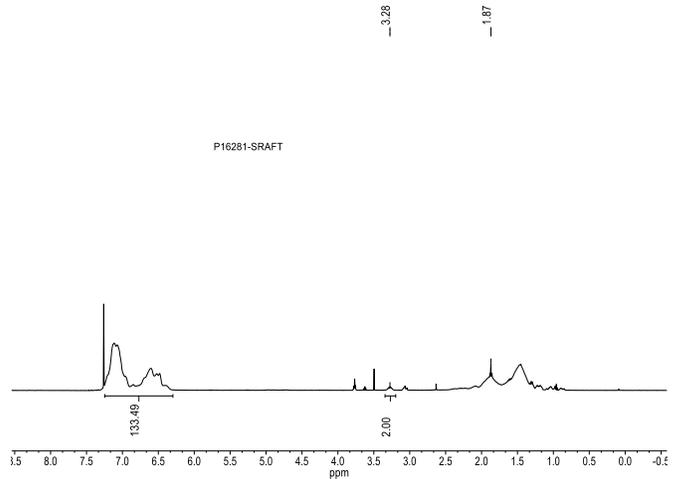
The structure of product was characterized and confirmed by ^1H NMR.



^1H NMR of the RAFT reagent:



^1H NMR spectrum of the Polymer:

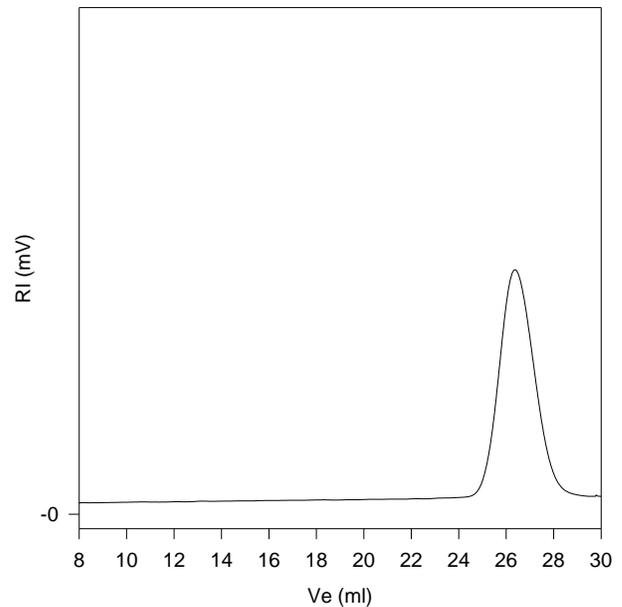


Characterization:

The molecular weight and polydispersity index (PDI) of the polymer are obtained by size exclusion chromatography (SEC), and ^1H NMR analysis.

SEC elugram of the polymer:

P16281-SRAFT



Size Exclusion Chromatography of polystyrene;

— $M_n = 2,700$, $M_w = 3,600$, $M_w/M_n = 1.28$