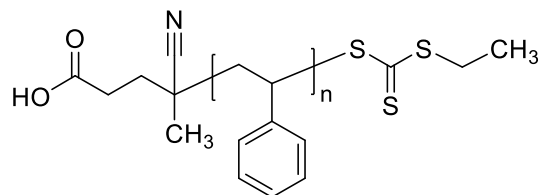


**Sample Name:** Poly (Styrene), RAFT-agent terminated

**Sample #:** P16281-SRAFT macroinitiator

**Structure:**



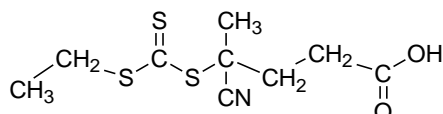
**Composition:**

$M_n \times 10^3$	PDI
2.7	1.28

**Synthesis Procedure:**

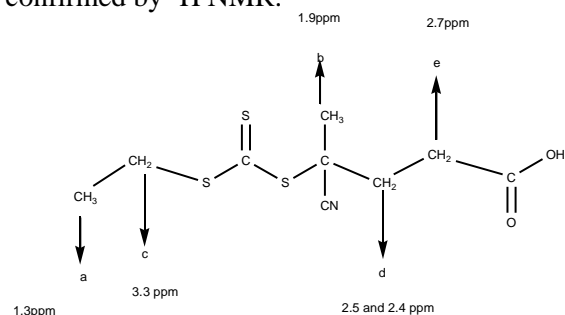
The polymer is prepared By RAFT polymerization process using following RAFT reagent:

**Structure:**

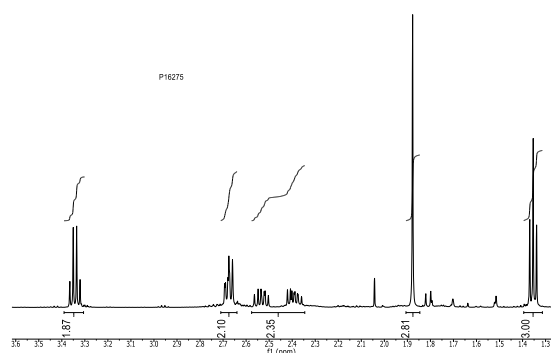


**Characterization:**

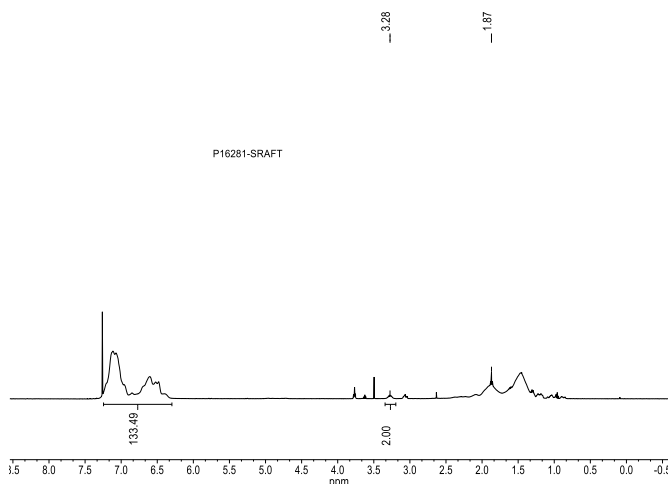
The structure of product was characterized and confirmed by  $^1\text{H}$  NMR.



**$^1\text{H}$  NMR of the RAFT reagent:**



**$^1\text{H}$ NMR spectrum of the Polymer:**

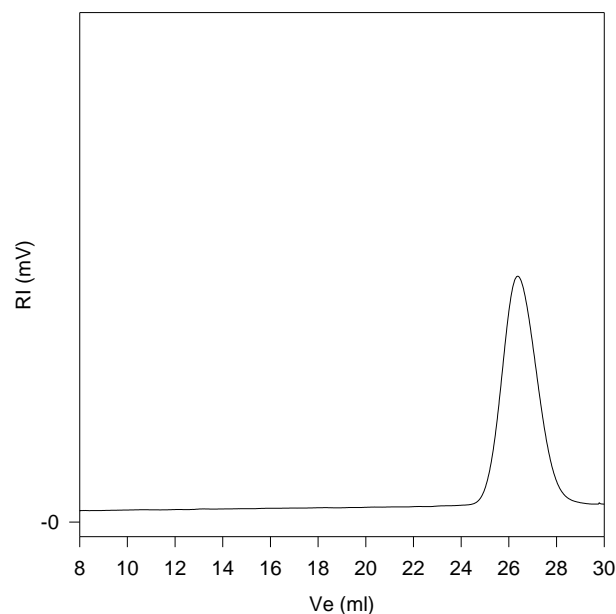


**Characterization:**

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

**SEC elugram of the polymer:**

**P16281-SRAFT**



Size Exclusion Chromatography of polystyrene;

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