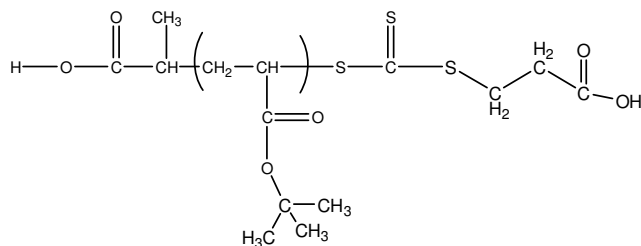


**Sample Name:** Poly(*tert*-butyl acrylate),  
terminated with RAFT group

**Sample #** P16010-1-tBuARAFT

**Structure:**

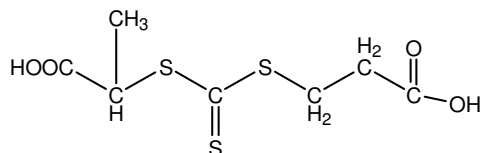


**Composition:**

$M_n \times 10^3$	$M_w/M_n$
22.0	1.3

**Synthesis procedure:**

The polymer was synthesized by RAFT process using the following RAFT reagent:

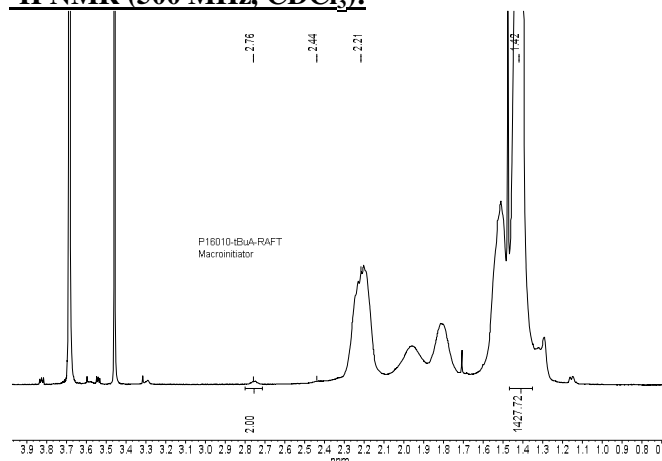


**Characterization:**

Molecular structure and purity of the polymer was confirmed by  $^1\text{H}$  NMR spectroscopy.

The molecular weight and polydispersity index ( $M_w/M_n$ ) were determined by size exclusion chromatography (SEC).

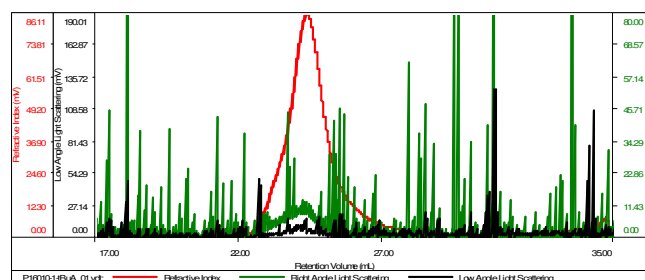
**$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ ):**



**SEC elugram of the polymer:**

Sample ID: P16010-1-tBuA

Concentration (mg/mL)	6.4021
Sample dn/dc (mL/g)	0.0520
Method File	PS80K-May112016-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	$M_n$ (Da)	$M_w$ (Da)	$M_w/M_n$	$IV$ (dL/g)	$M_p$ (Da)
P16010-1-tBuA_01.vdt	22,323	29,754	1.333	0.3053	22,273