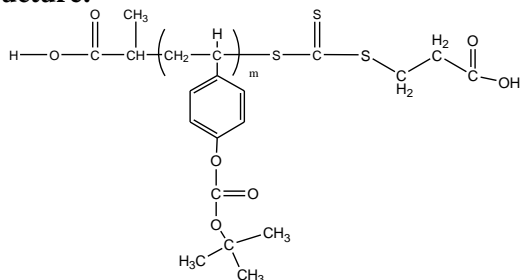


Sample Name:  
**Poly(4-((tert-butoxycarbonyl)oxy)styrene)**

Sample #: **P40797B-4BOCS**

Structure:



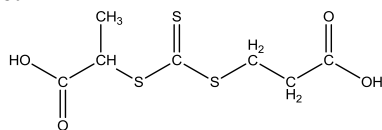
Composition:

Mn x 10 <sup>3</sup>	PDI
15.5	1.3

Synthesis Procedure:

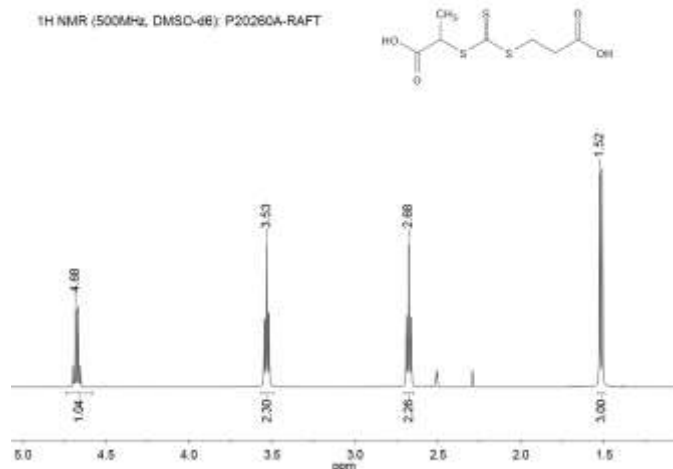
The polymer was synthesized by RAFT process using following RAFT reagent:

Structure:

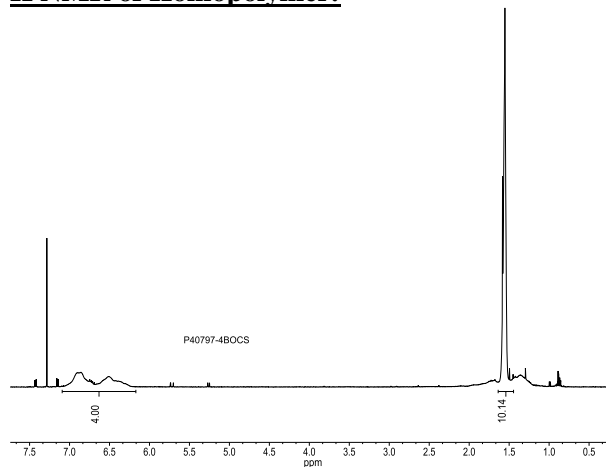


Chemical Formula: C<sub>7</sub>H<sub>10</sub>O<sub>4</sub>S<sub>3</sub>  
Molecular Weight: 254.3

<sup>1</sup>H NMR spectrum of RAFT reagent (500 MHz, DMSO-d<sub>6</sub>):



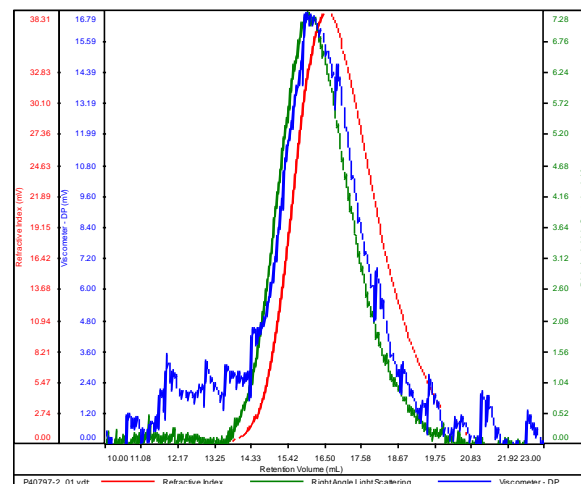
<sup>1</sup>H NMR of Homopolymer:



SEC elugram of the polymer:

**P40797B-BOCS**

Conc	2.6944
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS100k_2017-Oct11-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40797-2_01.vdt	15,544	20,335	19,118	1.308	0.2029

Characterization:

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.