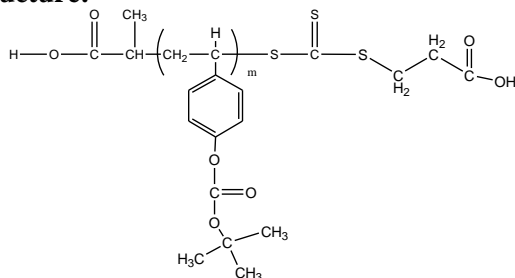


Sample Name:
Poly (4-((tert-butoxycarbonyl)oxy)styrene)

Sample #: **P40797A-4BOCS**

Structure:



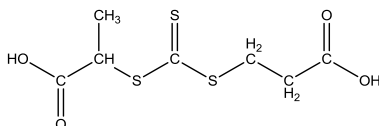
Composition:

$M_n \times 10^3$	PDI
9.5	1.27

Synthesis Procedure:

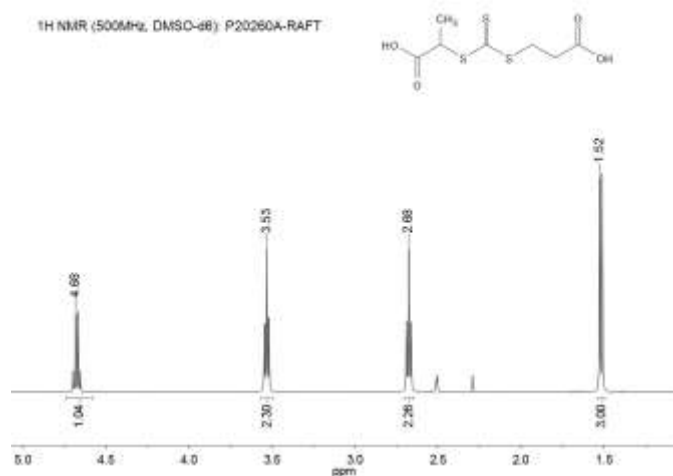
The polymer was synthesized by RAFT process using following RAFT reagent:

Structure:

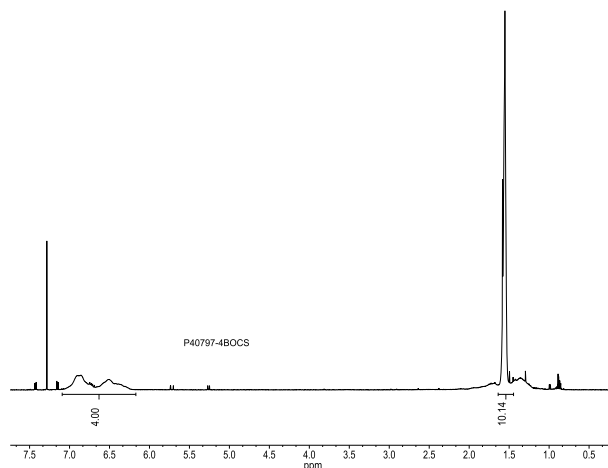


Chemical Formula: $C_7H_{10}O_4S_3$
Molecular Weight: 254.3

1H NMR spectrum of RAFT reagent (500 MHz, DMSO- d_6):



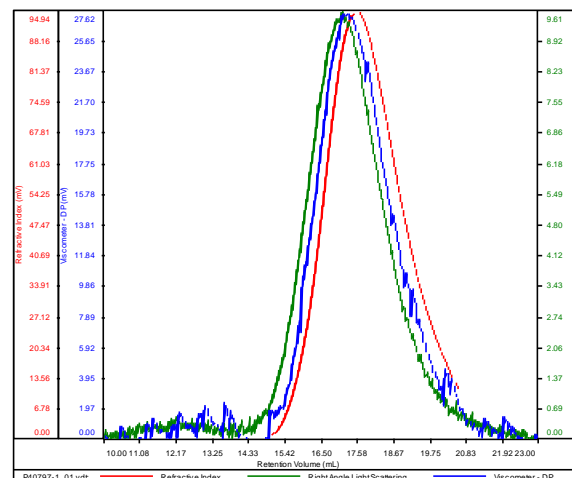
1H NMR of Homopolymer:



SEC elugram of the polymer:

P40797A-BOCS

Conc	6.4426
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS100K_2017-Oct11-0000.vcm



Sample	M_n	M_w	M_p	M_w/M_n	IV
P40797-1_01.vdt	9,551	12,139	10,793	1.271	0.1332

Characterization:

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