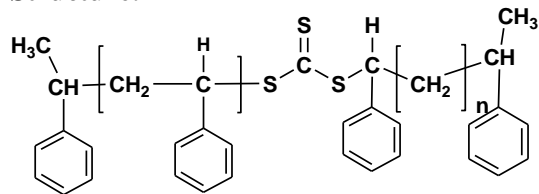


Sample Name: Trithiocarbonate RAFT moiety in the center of Poly styrene chains

Sample #: P16296B-S-RAFT-S

Structure:

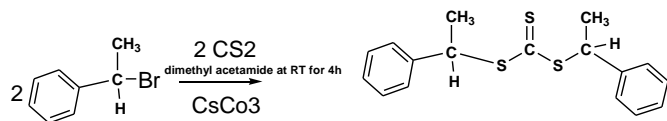


Composition:

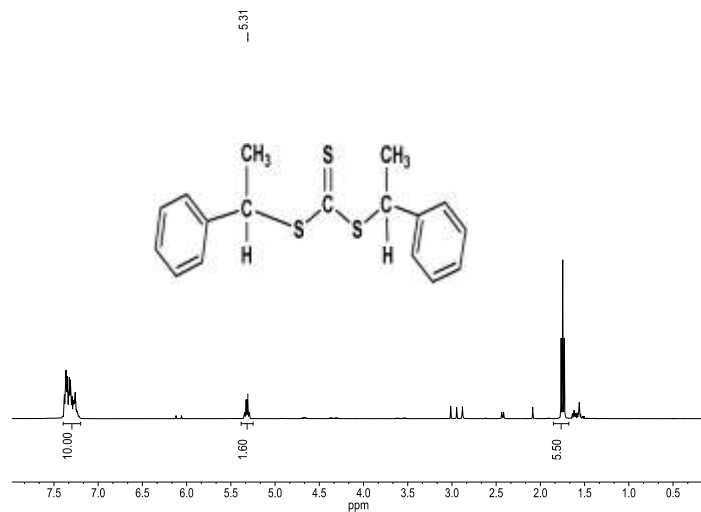
Mn x 10 ³	PDI
7.0	1.04

Synthesis Procedure:

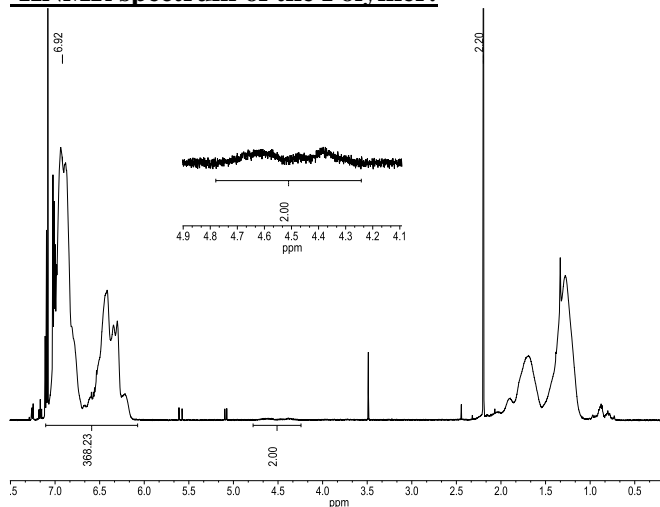
The polymer is prepared by RAFT polymerization process using following RAFT reagent:



¹H NMR spectrum of the RAFT reagent:



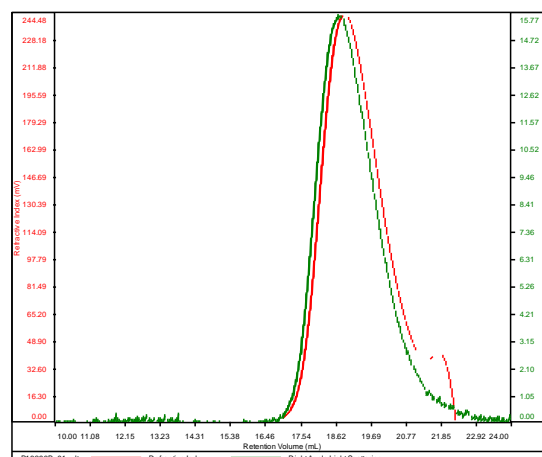
¹H NMR spectrum of the Polymer:



SEC elugram of the polymer:

P16296B-S-RAFT

Conc	13.7706
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2017-11-07-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16296B_01.vdt	7,091	7,345	7,292	1.036	6.0729

Characterization:

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