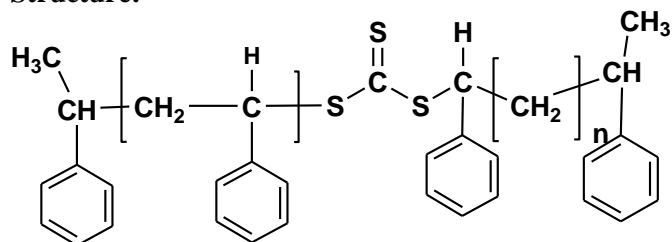


Sample Name: Trithiocarbonate RAFT moiety in the center of Poly styrene chains

Sample #: P16296D-S-RAFT-S

Structure:

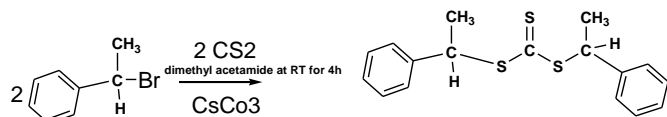


Composition:

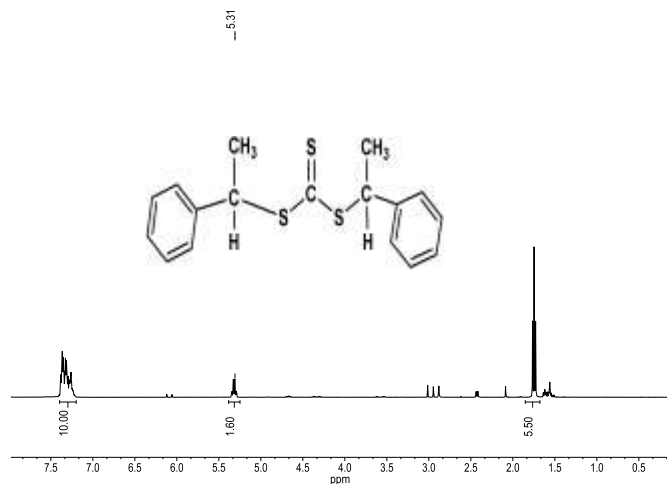
$M_n \times 10^3$	PDI
5.5	1.07

Synthesis Procedure:

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



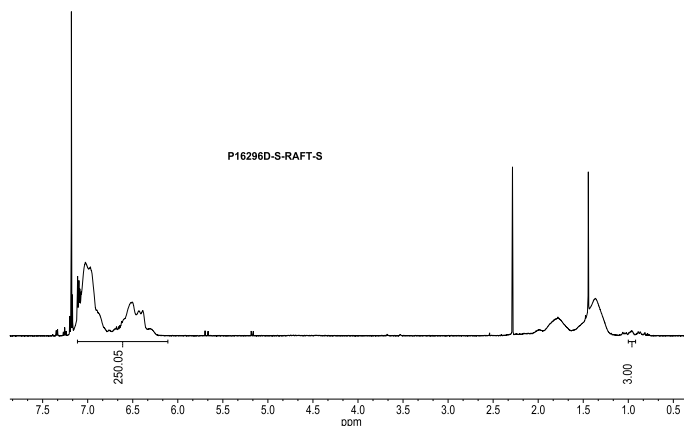
¹H NMR spectrum of the RAFT reagent:



Characterization:

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

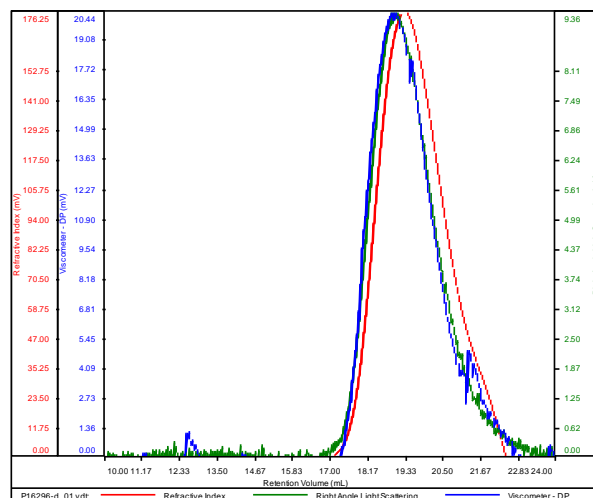
¹HNMR spectrum of the Polymer:



SEC elugram of the polymer:

P16296D-S-RAFT

Conc	11.0943
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
P16296-d_01.vdt	5,512	5,919	5,930	1.074	11.3636