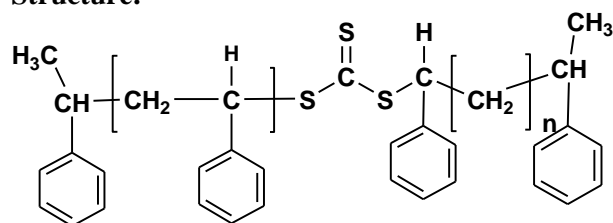


**Sample Name:** Trithiocarbonate RAFT moiety in the center of Poly styrene chains

**Sample #:** P16296A-S-RAFT-S

**Structure:**

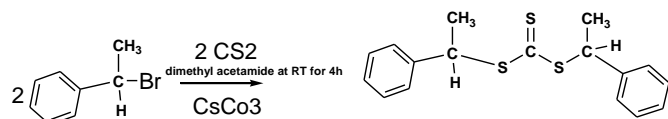


**Composition:**

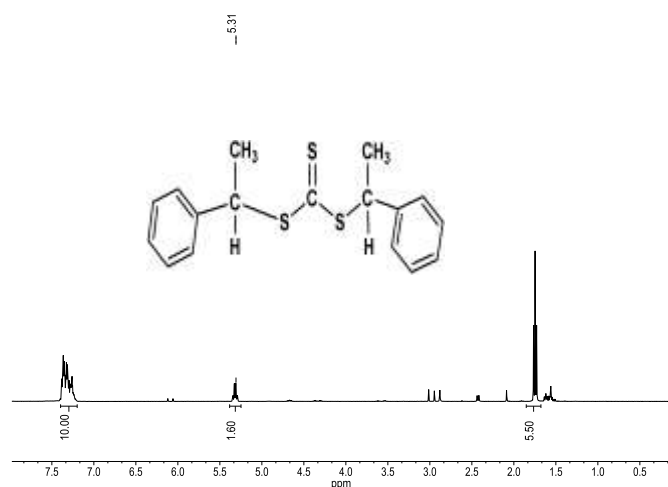
Mn x 10 <sup>3</sup>	PDI
7.5	1.04

**Synthesis Procedure:**

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



**<sup>1</sup>H NMR of the RAFT reagent:**



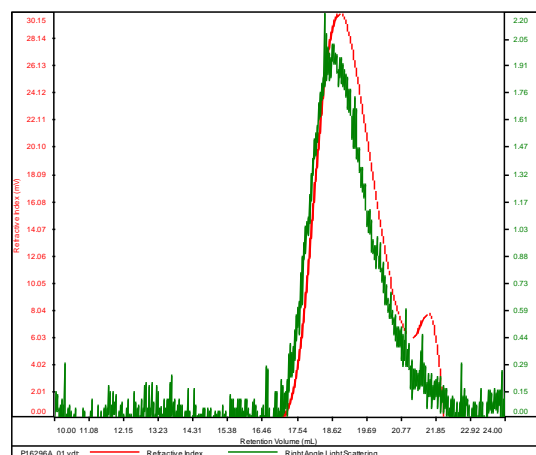
**Characterization:**

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

**SEC elugram of the polymer:**

P16296A-S

Conc	1.6824
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
P16296A_01.vcl	7,497	7,827	7,208	1,044	200.4418