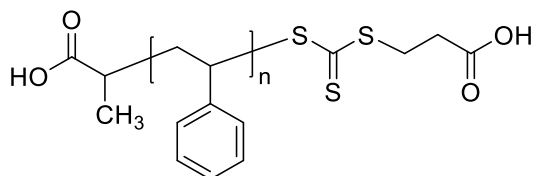


Sample Name: Poly (Styrene), RAFT-agent terminated

Sample #: P16339A-SRAFT macroinitiator

Structure:



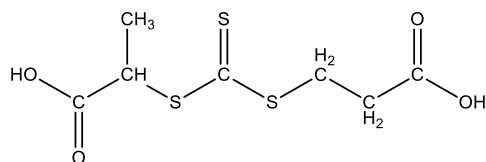
Composition:

Mn x 10 ³	PDI
16.5	1.11

Synthesis Procedure:

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

Structure:



Chemical Formula: C₇H₁₀O₄S₃
Molecular Weight: 254.3

Purity:	> 95 %
Storage temperature:	2–8°C

Characterization:

The chemical structure of the reagent was confirmed by FT-IR and ¹H NMR.

¹H NMR (500 MHz, DMSO-d₆):



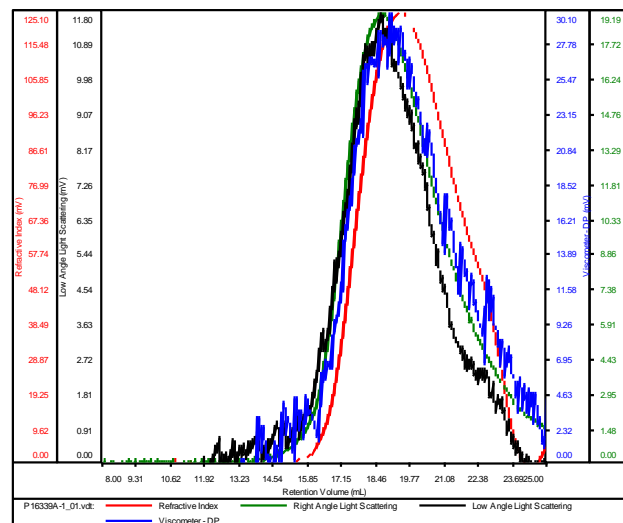
Characterization:

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

SEC elugram of the polymer:

**P16339A-S-RAFT
Macroinitiator**

Conc	12.6971
dn/dc	0.1650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16339A-1_01.vdt	16,350	18,182	17,152	1.112	0.1203