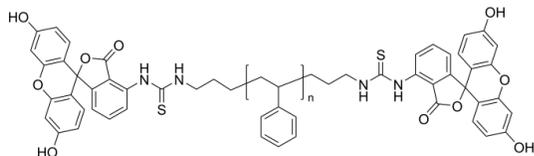


Sample Name:

**Poly(styrene),  $\alpha,\omega$ -bis(fluorescein)-terminated**

Sample #: **P43367-S2Fluor**

**Structure:**

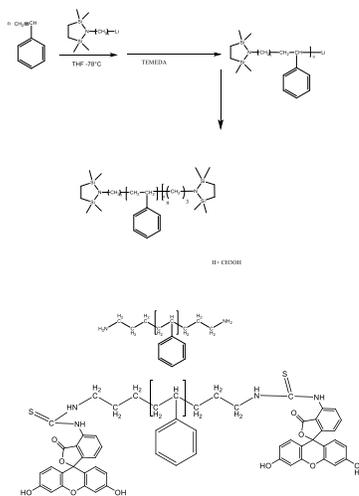


**Composition:**

$M_n \times 10^3$	PDI
8.0	1.09

**Synthesis Procedure:**

Poly(styrene),  $\alpha,\omega$ -bis(fluorescein)-terminated was synthesized by anionic living polymerization. The following reaction scheme shows how the product was prepared:



**Characterization:**

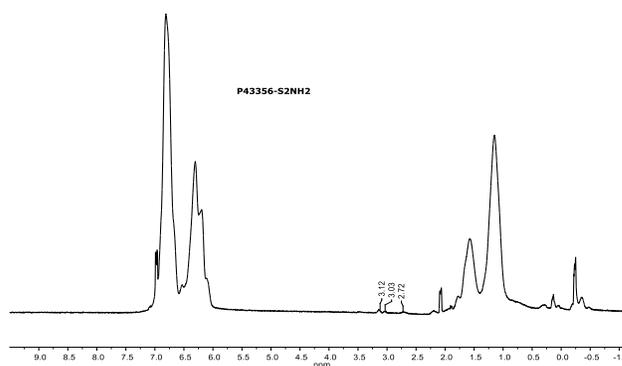
The product was characterized by size exclusion chromatography (SEC) and  $^1\text{H}$  NMR data analysis.

**Thermal analysis:**

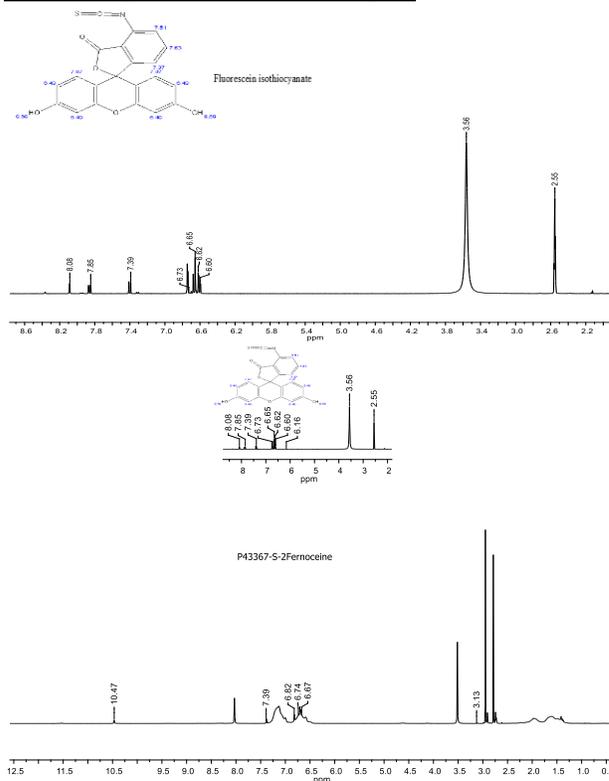
Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of  $10^\circ\text{C}/\text{min}$ . The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature ( $T_g$ ).

**Solubility:** Polymer is soluble in THF,  $\text{CHCl}_3$ , and toluene. It precipitated out from methanol and hexane.

**$^1\text{H}$  NMR spectrum of Precursor:**



**$^1\text{H}$  NMR spectrum of the Sample:**



**SEC elugram of the precursor:**

