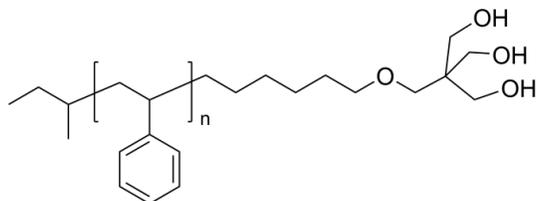


Sample Name:
Poly(styrene), ω -pentaerythritol-terminated

Sample #: P43363A-SPert

Structure:

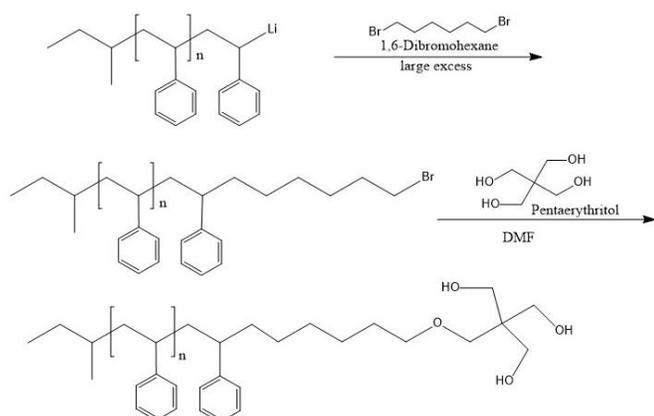


Composition:

$M_n \times 10^3$	PDI
6.5	1.01

Synthesis Procedure:

The polymer was prepared by living anionic polymerization of styrene using a monofunctional initiator in THF followed by termination with Excess of 1,6 dibromohexane.



Characterization:

The product was characterized by size exclusion chromatography (SEC) and HNMR spectroscopy.

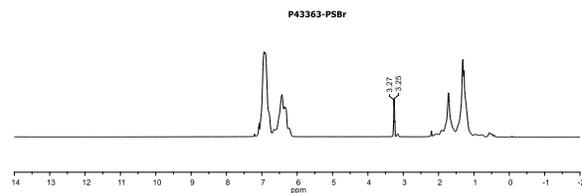
Thermal analysis:

Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (T_g) has been considered.

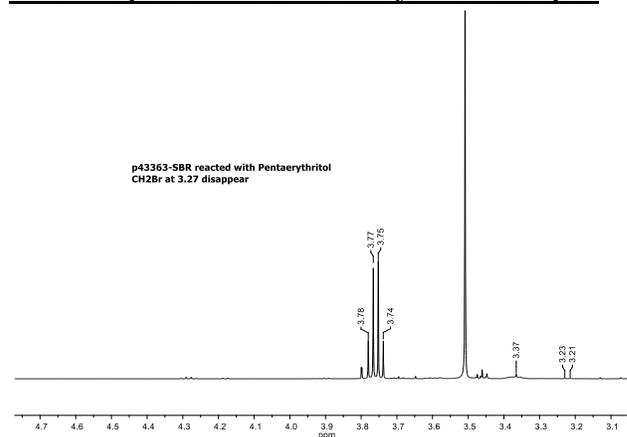
Solubility:

Polymer is soluble in toluene, THF, and $CHCl_3$. It can be precipitated in water and cold methanol.

HNMR spectrum of Bromine terminated Polystyrene:



H NMR spectrum of S-Pentaerythritol Sample:



SEC elugram of the Sample:

