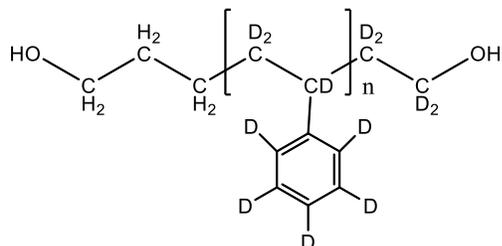


**Sample Name: Deuterated Poly(styrene-d8),  $\alpha$ ,  $\omega$ -bis(hydroxy)-terminated**

**Sample #: P43595-dPS2OH**

**Structure:**

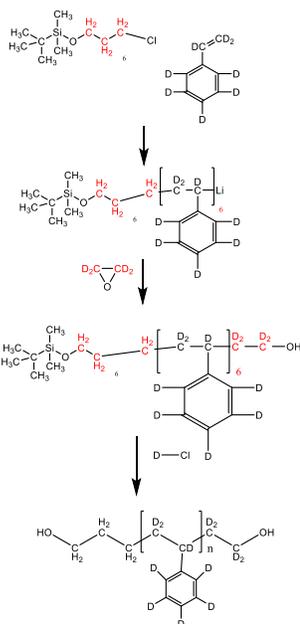


**Composition:**

$M_n \times 10^3$	PDI
0.9	102

**Synthesis Procedure:**

$\alpha$ ,  $\omega$ -Hydroxy Terminated deuterated polystyrene was prepared by living anionic polymerization of deuterated styrene using a OH protected monofunctional initiator.

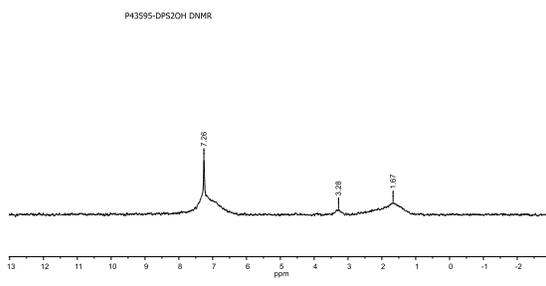
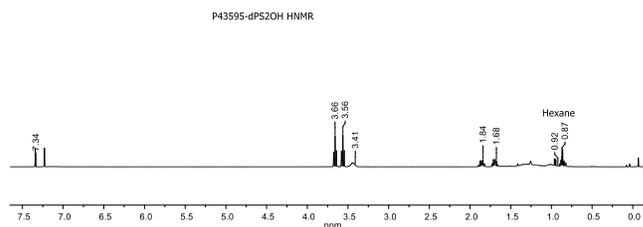


**Characterization:**

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

**Solubility:** Polymer is soluble in toluene, THF, CHCl<sub>3</sub> and can be precipitated in water and cold methanol.

**HNMR spectrum of the Sample:**



**SEC elugram of the Sample:**

