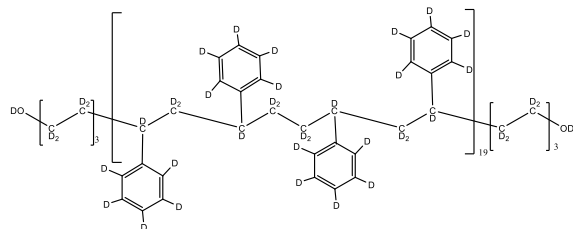


**Sample Name: Deuterated Poly(styrene-d8),  $\alpha$ ,  $\omega$ -bis(deuteroxy)-terminated**

**Sample #: P44365-dPS2OD**

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
2.2	1.4

**Synthesis Procedure:**

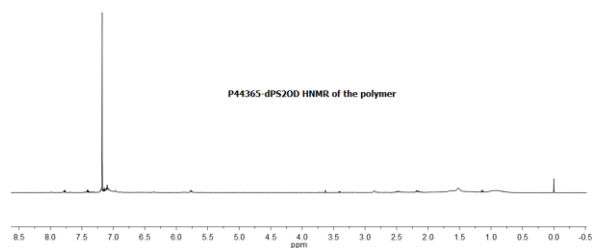
$\alpha$ ,  $\omega$  -deuteroxy Terminated deuterated polystyrene was prepared by living anionic polymerization.

**Characterization:**

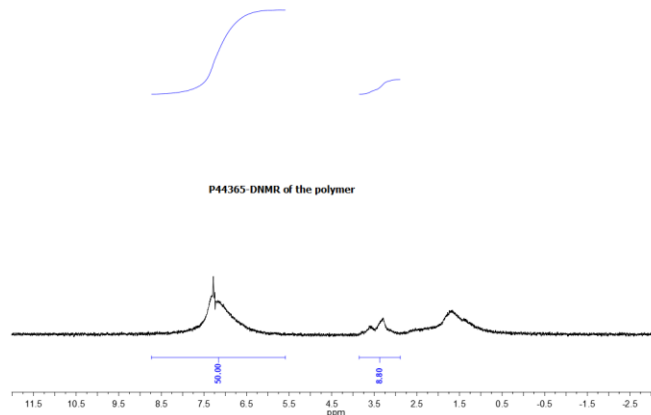
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

**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:**



**D NMR spectrum of Polymer:**



**SEC elugram of the Sample:**

