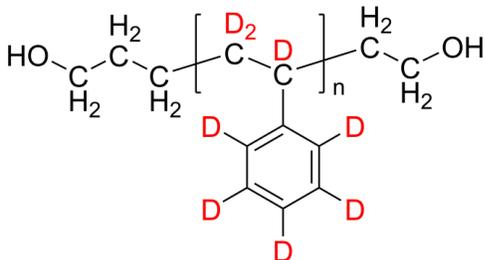


Sample Name: Deuterated Poly(styrene-d8), α , ω -bis(hydroxy)-terminated

Sample #: P43537B-dPS2OH

Structure:



Composition:

$M_n \times 10^3$	PDI
6.5	1.2

Synthesis Procedure:

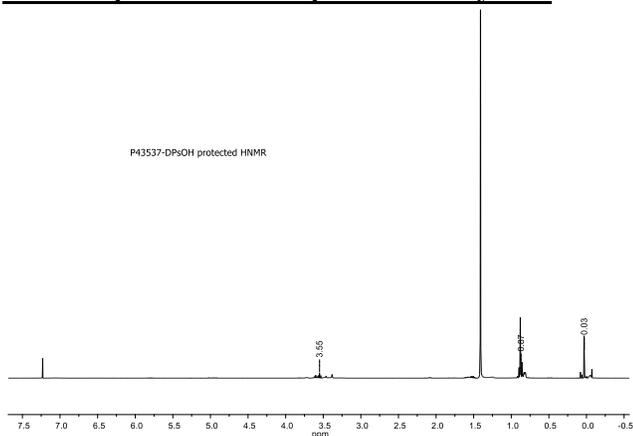
α , ω -Hydroxy Terminated deuterated polystyrene was prepared by living anionic polymerization of deuterated styrene using a OH protected monofunctional initiator.

Characterization:

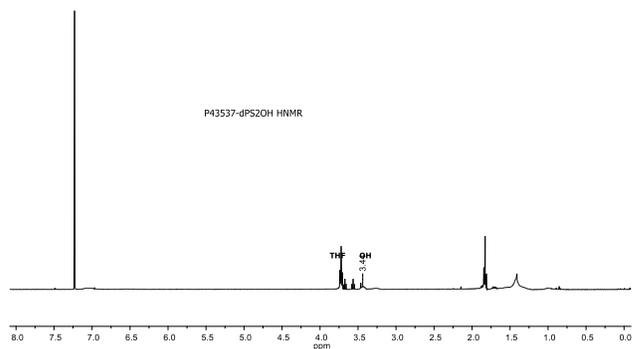
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

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

HNMR spectrum of OH protected Polymer:



HNMR spectrum of the Sample:



SEC elugram of the Sample:

Agilent GPC/SEC Software

