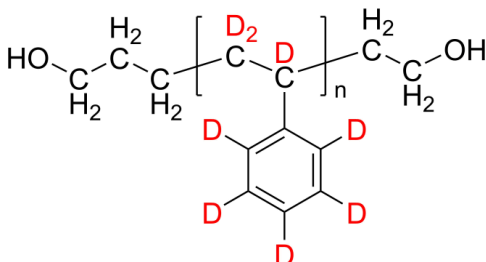


Sample Name: Deuterated Poly(styrene-d8), α , ω -bis(hydroxy)-terminated

Sample #: P43537-dPS2OH

Structure:



Composition:

Mn x 10 ³	PDI
5.5	1.06

Synthesis Procedure:

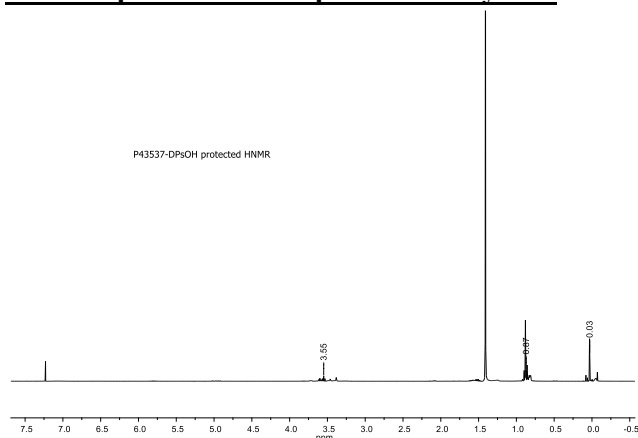
α , ω -Hydroxy Terminated deuterated polystyrene was prepared by living anionic polymerization of deuterated styrene using a OH protected monofunctional initiator.

Characterization:

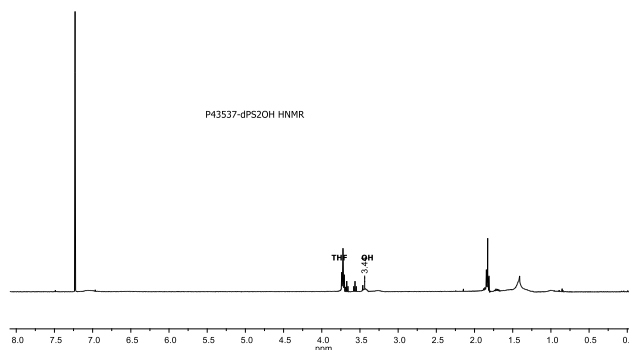
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility: Polymer is soluble in toluene, THF, CHCl₃ 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:

