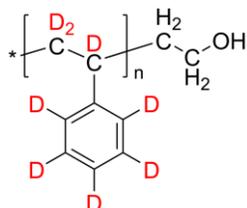


Sample Name: Deuterated Poly(styrene-d8), ω-hydroxy-terminated

Sample #: P44008-dPSOH

Structure:



Composition:

$M_n \times 10^3$	PDI
40.0	1.04

Synthesis Procedure:

ω-Hydroxy Terminated deuterated polystyrene was prepared by living anionic polymerization of deuterated styrene using a monofunctional initiator such as Sec. butyl lithium in THF at -78 °C followed by termination with ethylene oxide.

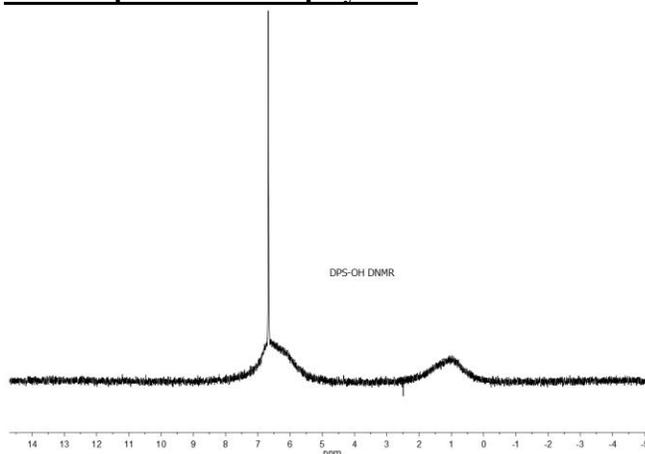
Characterization:

The product was characterized by size exclusion chromatography (SEC) and H NMR and DNMR data analysis. 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, and CHCl₃. It can be precipitated in water, and cold methanol.

DNMR spectrum of the polymer:



SEC elugram of the Sample:

