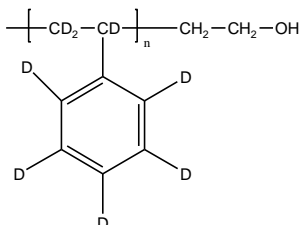


Sample Name:
Deuterated Poly(styrene-d8), ω -hydroxy-terminated

Sample #: P1563-dPSOH

Structure:



Composition:

Mn x 10 ³	PDI
31.3	1.04

Functionality (NMR) ~99%

Synthesis Procedure:

Deuterated Poly(styrene-d8), ω -hydroxy-terminated 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 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.

SEC profile of the Sample:

