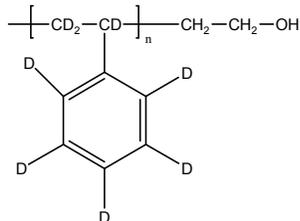


Sample Name:

ω -terminated deuterated Hydroxy Terminated Polystyrene

Sample #: P8053-dPSOH

Structure:



Composition:

$M_n \times 10^3$	PDI
14.0	1.05

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 oC followed by termination with ethylene oxide.

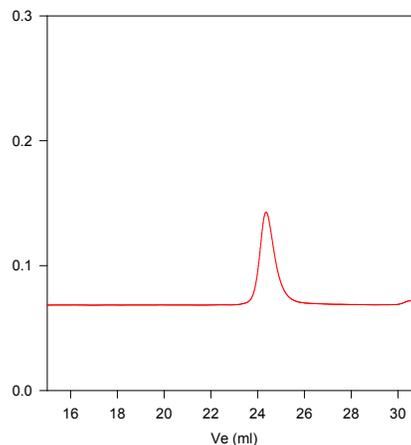
Characterization:

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, CHCl₃ and can be precipitated in water and cold methanol.

SEC of Sample:

P8053-dPSOH



Size exclusion chromatography of ω hydroxy Terminated deuterated (d8)polystyrene
 $M_n=14000$, $M_w=14700$, $PI=1.05$, functionality>99%