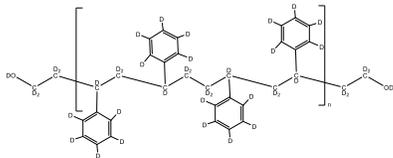


Sample Name: Deuterated Poly(styrene-d8), α , ω -bis(deuteroxy)-terminated

Sample #: P44358-dPS2OD

Structure:



Composition:

$M_n \times 10^3$	PDI
11.5	1.15

Synthesis Procedure:

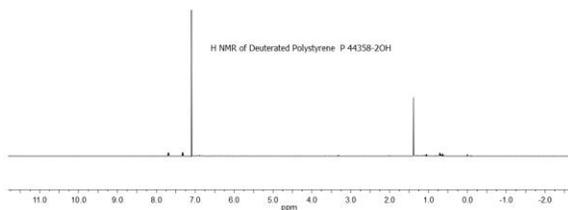
α , ω - deuteroxy Terminated deuterated polystyrene was prepared by living anionic polymerization.

Characterization:

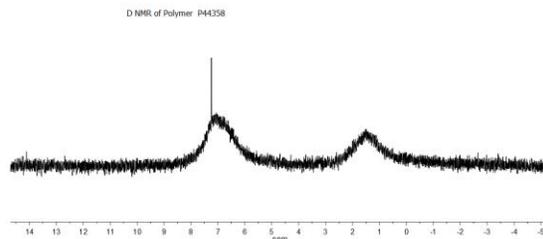
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatography equipped with a UV and refractive index detector.

Solubility: Polymer is soluble in toluene, THF, CHCl₃ and can be precipitated in water and cold methanol.

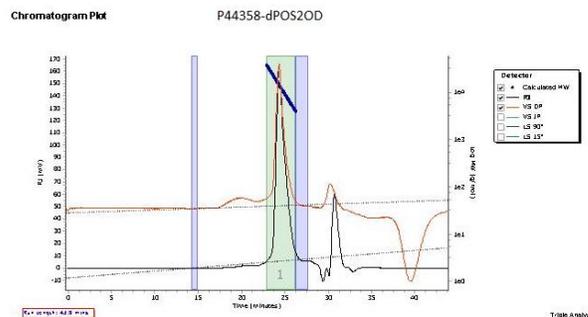
HNMR spectrum of the Sample:



DNMR spectrum of the Polymer:



SEC elugram of the Sample:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz-1 (g/mol)	Mv (g/mol)	PDI
Peak 1	14751	11368	13072	14720	16241	14453	1.15