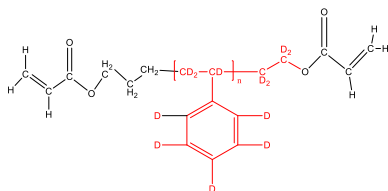


Deuterated Poly(styrene-d8), α,ω -bis(acrylate)-terminated

Sample #: **P44940-dPS2acrylate**

Structure:

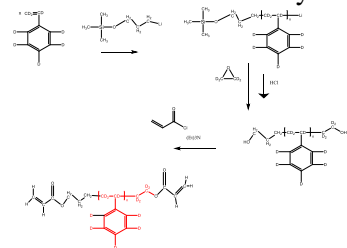


Composition: Ivory color Honey like

Mw x 10 ³	PDI
0.9	1.13
End group Functionality: > 95%	

Synthesis Procedure:

α , ω -Hydroxy Terminated deuterated Polystyrene-d8 was prepared by living anionic polymerization of styrene-d8, followed by modification of terminal OH to acrylate unit.



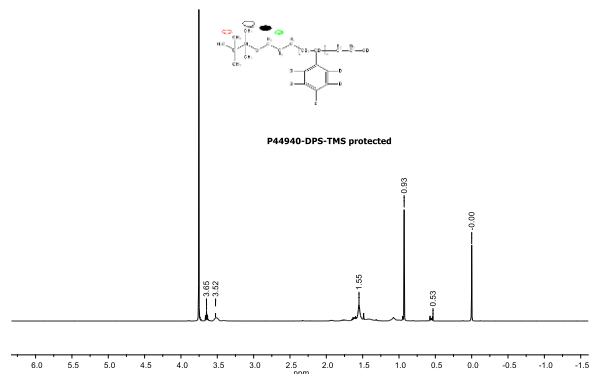
Characterization:

The product was characterized by size exclusion chromatography (SEC), ¹H NMR, Deuterium NMR and FTIR data analysis.

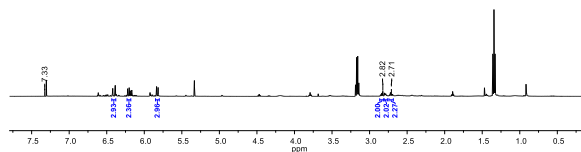
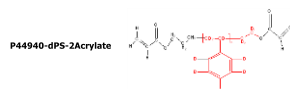
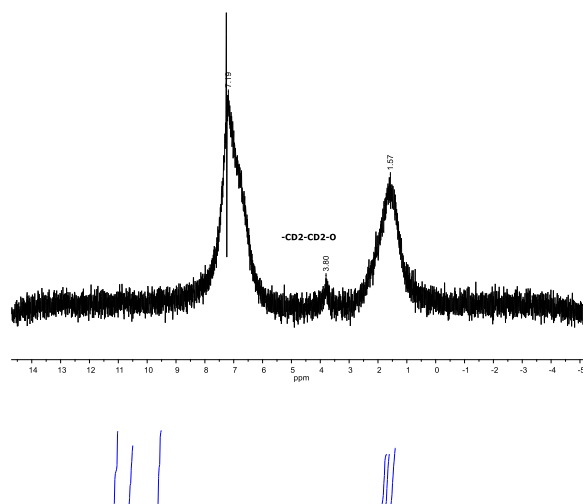
Solubility:

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

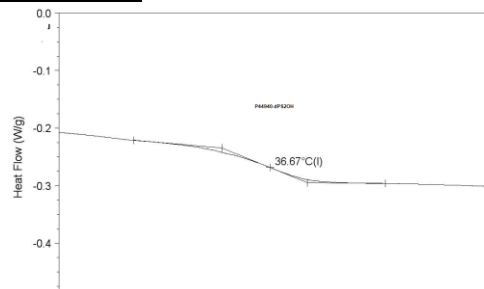
¹H-NMR spectrum of the Polymer:



DNMR spectrum of the Sample:



DSC results:



SEC elugram of the dPS2OH Sample:

