

Sample Name: Partially Deuterated (d7) Poly(4-methoxy styrene)

NMR of monomer:

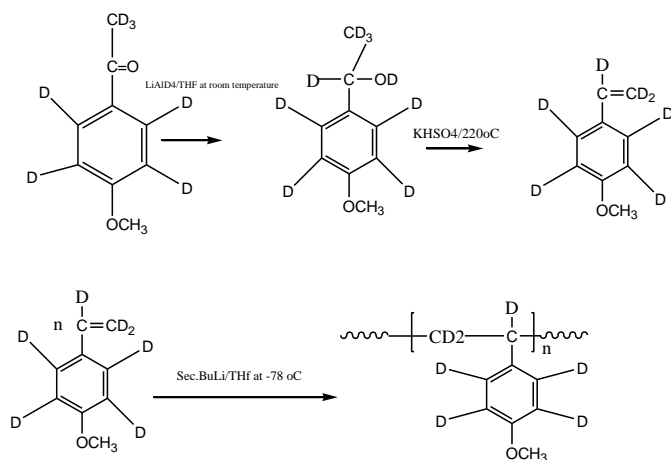
Sample #: P8141A-d7P4MeOS

Composition:

$M_n \times 10^3$	PDI
7.0	1.25

Synthesis Procedure:

Deuterated monomer synthesis and its polymerization :

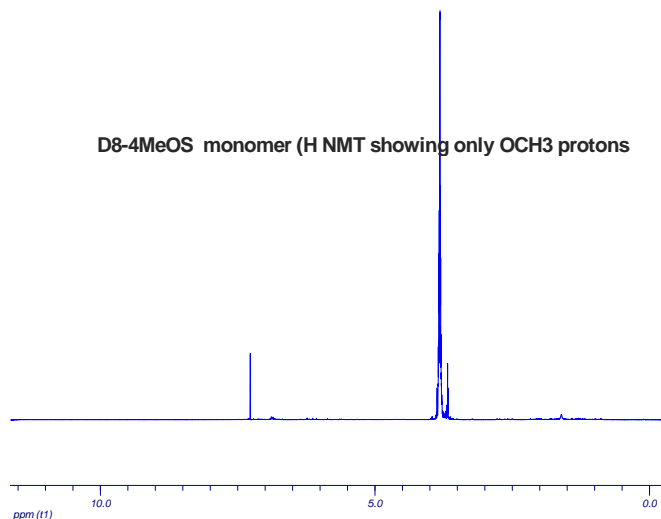


Characterization:

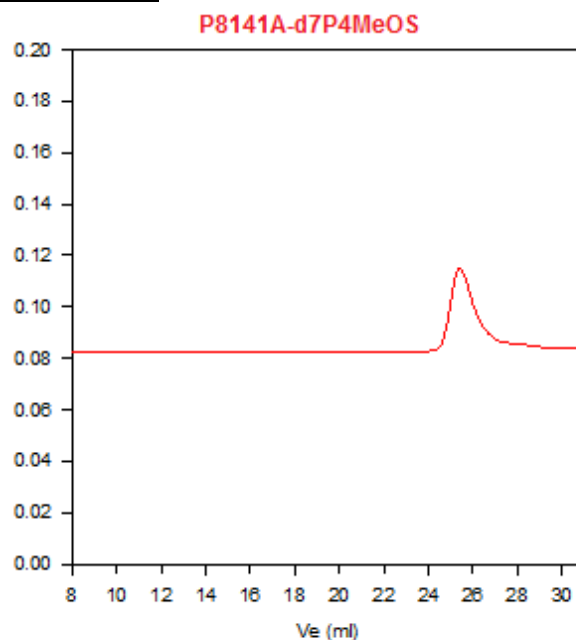
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

Solubility:

Deuterated polymer is soluble in THF, chloroform, and toluene. The polymer is in soluble methanol and water.



SEC of Sample:



Size exclusion chromatograph of deuterated-(d7) poly 4-methoxystyrene :

$M_n = 7000$, $M_w = 9000$ $PI = 1.25$