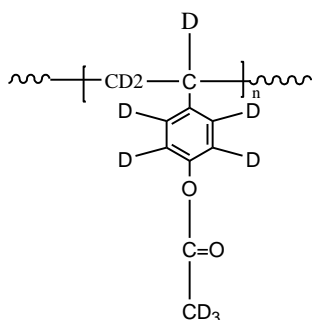


Sample Name: Deuterated (d10) Poly(4-acetoxy styrene)
Sample #: **P8145-d10AcS**

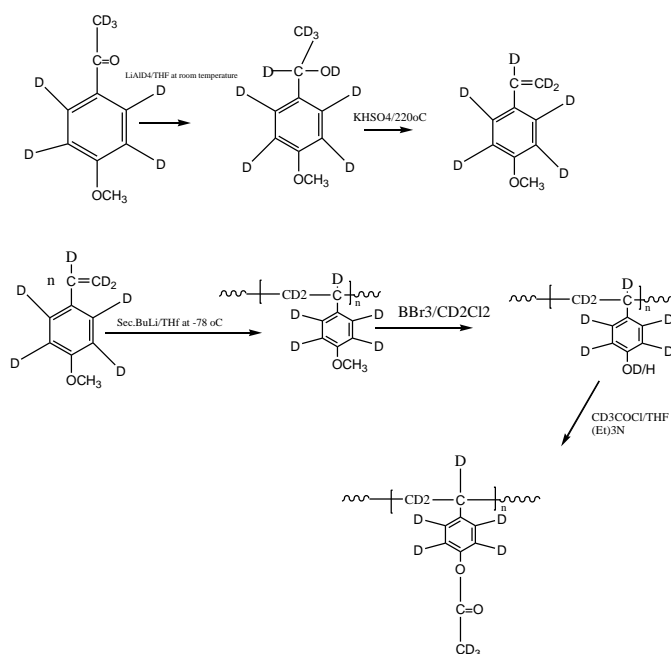


Composition:

$M_n \times 10^3$	PDI
8.0	1.25

Synthesis Procedure:

Deuterated monomer synthesis and its polymerization :



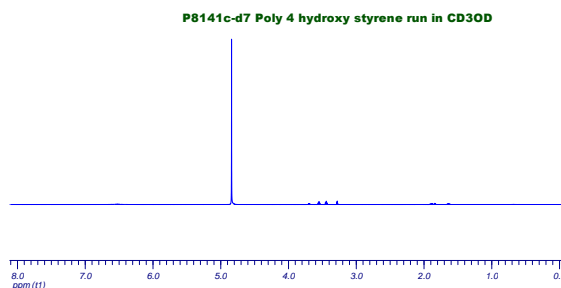
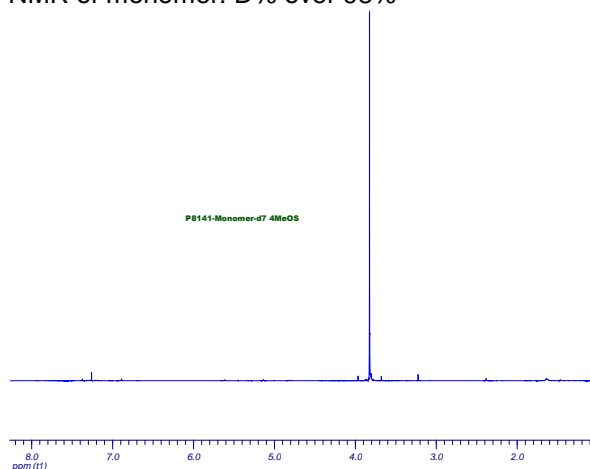
Characterization:

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

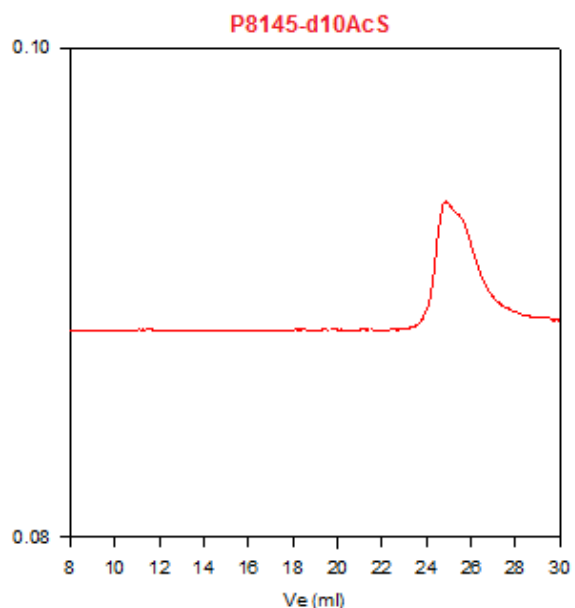
Solubility:

D10 Deuterated Poly 4 -acetoxy styrene) polymer is soluble in THF. The polymer is in soluble in ether, hexane.

NMR of monomer: D% over 98%



SEC of Sample:



Size exclusion chromatograph of deuterated-(d10) poly 4-acetoxystyrene :
 $M_n=8000$, $M_w=10000$ PI=1.25