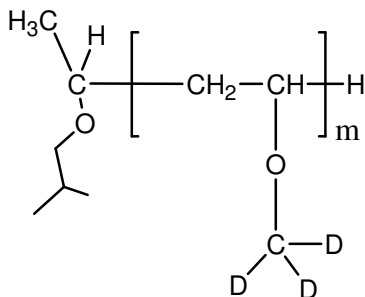


Sample Name:

Deuterated-d3(Poly(methyl vinyl ether))

Sample #: **P19957-d3MVE**

Structure:

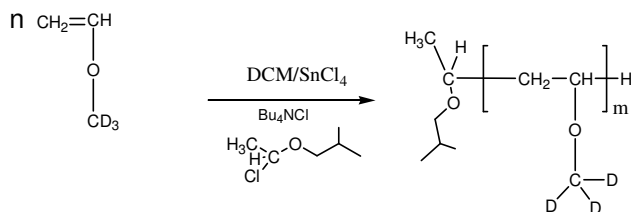


Composition:

$M_n \times 10^3$	PDI
15.5	1.14

Synthesis Procedure:

Deuterated (d3) Poly(methyl vinyl ether) is obtained by living cationic polymerization. The reaction scheme is illustrated below:



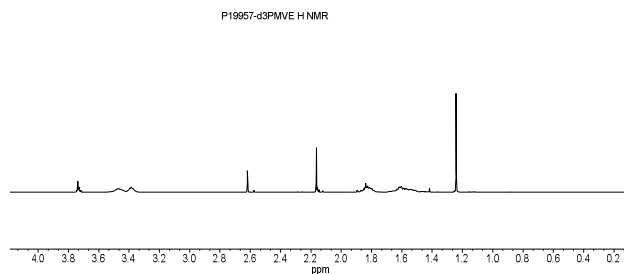
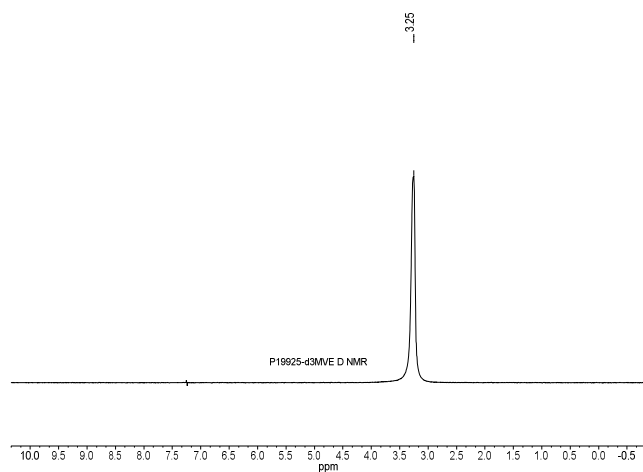
Characterization:

The polymer was characterized by ^1H NMR and SEC.

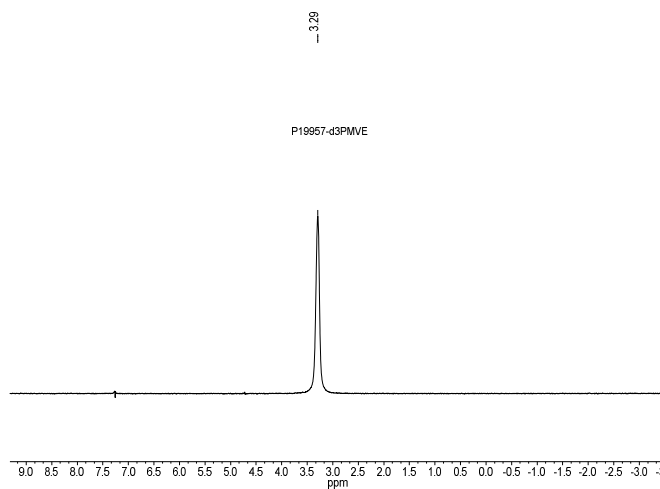
Solubility:

Deuterated (d3) Poly(methyl vinyl ether) is soluble in acetone, methanol, water.

D NMR spectrum in CHCl_3 :



D NMR spectrum of polymer:



SEC elugram of Homopolymer:

P19957-d3PMVE

