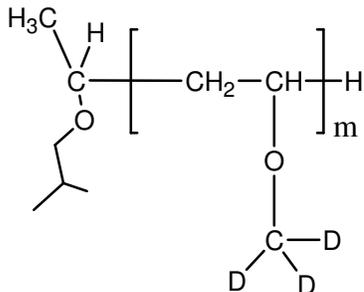


Sample Name:

**Deuterated-d3(Poly(methyl vinyl ether))**

Sample #: **P19957-d3MVE**

**Structure:**

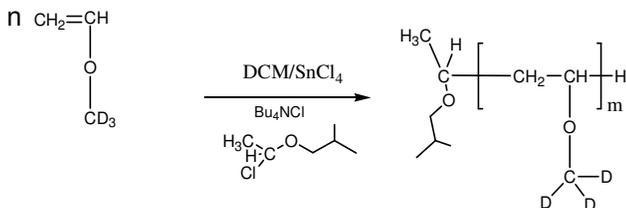


**Composition:**

$M_n \times 10^3$	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:



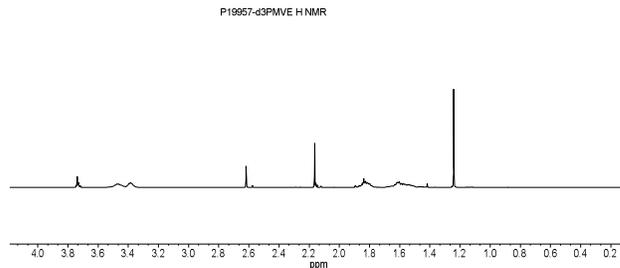
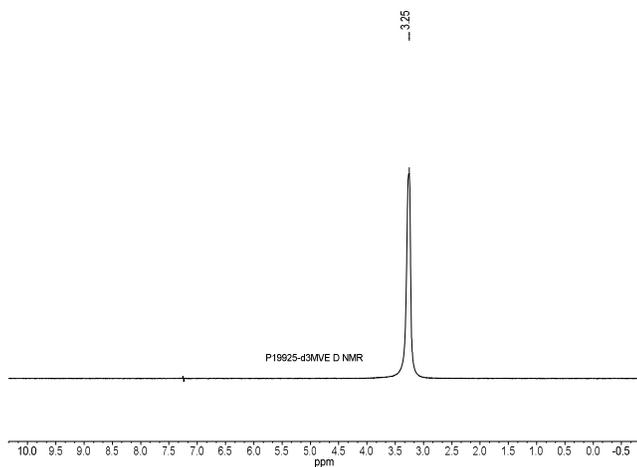
**Characterization:**

The polymer was characterized by <sup>1</sup>H NMR and SEC.

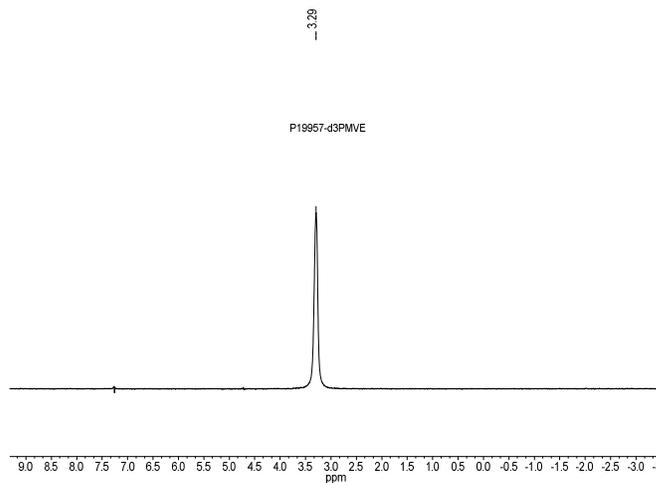
**Solubility:**

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

**D NMR spectrum in CHCl<sub>3</sub>:**



**D NMR spectrum of polymer:**



**SEC elugram of Homopolymer:**

**P19957-d3PMVE**

