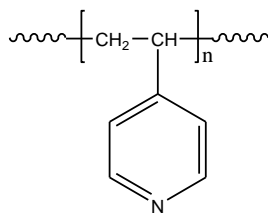


**Sample Name:** Poly(4-vinyl pyridine)

**Sample #:** P1028-4VP

**Structure:**

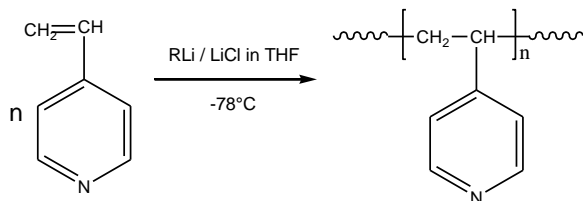


**Composition:**

Mn x 10 <sup>3</sup>	PDI
49.1	1.25

**Synthesis Procedure:**

Poly(4-vinyl pyridine) is obtained by living anionic polymerization of 4-vinyl pyridine as illustrated below:



**Characterization:**

The molecular weight and polydispersity index (PDI) of poly(4-vinyl pyridine) are obtained by size exclusion chromatography.

**Solubility:**

Poly(4-vinylpyridine) is soluble in DMF, THF, toluene, methanol, ethanol and CHCl<sub>3</sub>. It precipitates from water and hexanes, ether.

**SEC of Homopolymer:**

