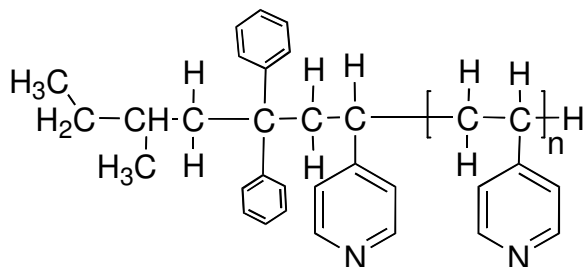


**Sample Name:** Poly(4-vinyl pyridine)

**Sample #:** P18786C-4VP

**Structure:**

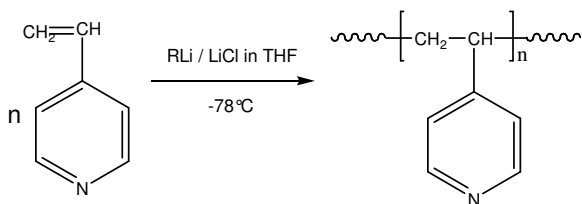


**Composition:**

Mn x10-3	PDI
48.0	1.07

**Synthesis Procedure:**

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



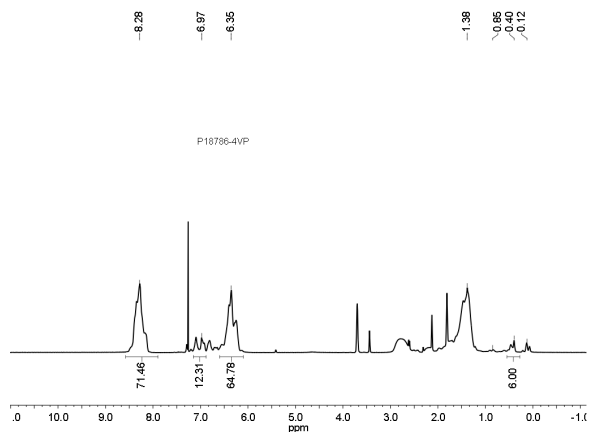
**Characterization:**

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

**Solubility:**

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

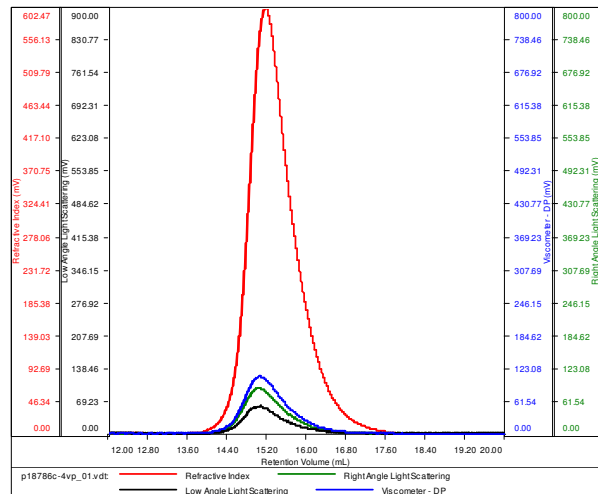
**H NMR:**



**SEC of Homopolymer:**

**SAMPLE ID:** P18786c-4vp

Conc (mg/mL)	6.0716
dn/dc (mL/g)	0.1530
Method	ps80kJune2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
p18786c-4vp_01.vdt	48,088	51,452	50,799	1.070	0.2029