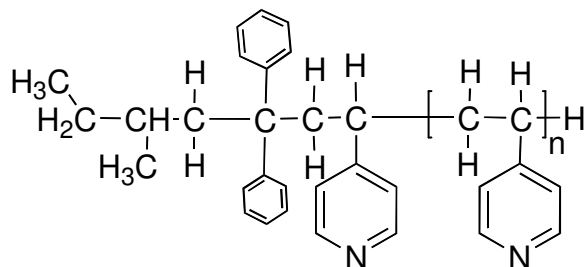


**Sample Name:** Poly(4-vinyl pyridine)

**Sample #:** P18786B-4VP

**Structure:**

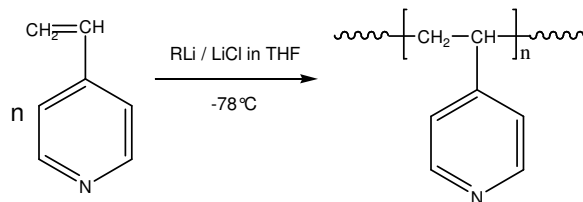


**Composition:**

Mn x10-3	PDI
9.5	1.28

**Synthesis Procedure:**

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



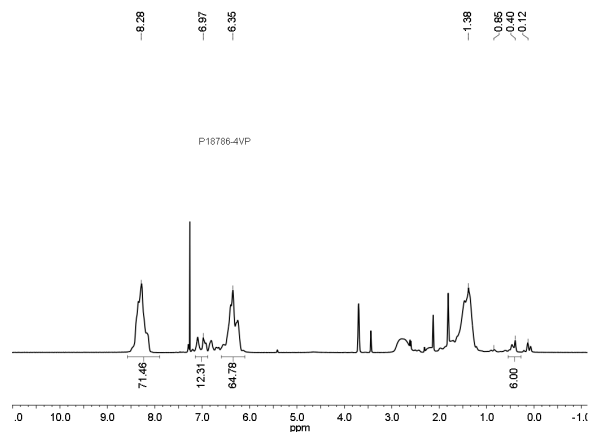
**Characterization:**

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.

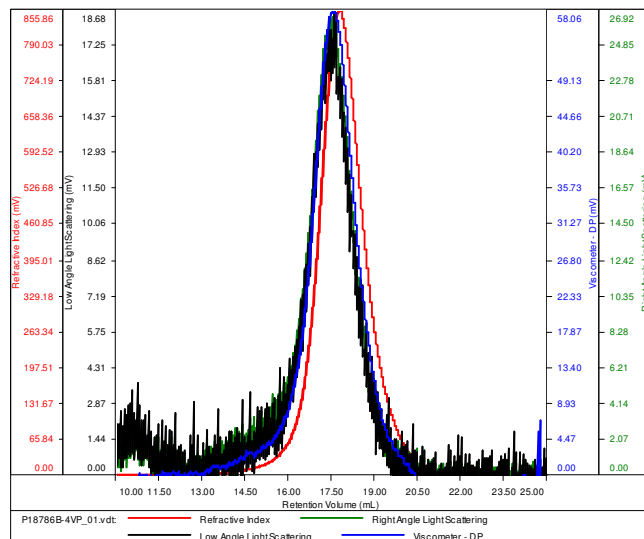
**H NMR:**



**SEC of Homopolymer:**

**SAMPLE ID:** P18786B-4VP

Conc (mg/mL)	15.4785
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
P18786B-4VP_01.vdt	9,284	11,843	10,182	1.276	0.0791