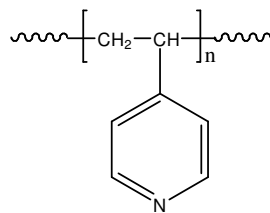


Sample Name: Poly(4-vinyl pyridine)

Sample #: P19959-4VP

**Structure:**

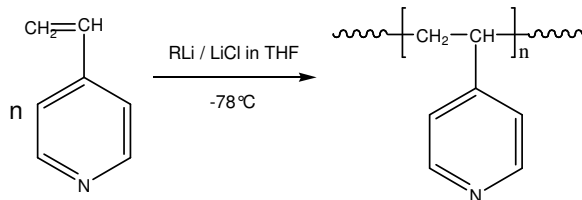


**Composition:**

19.0	PDI
110.0	2.4

**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.

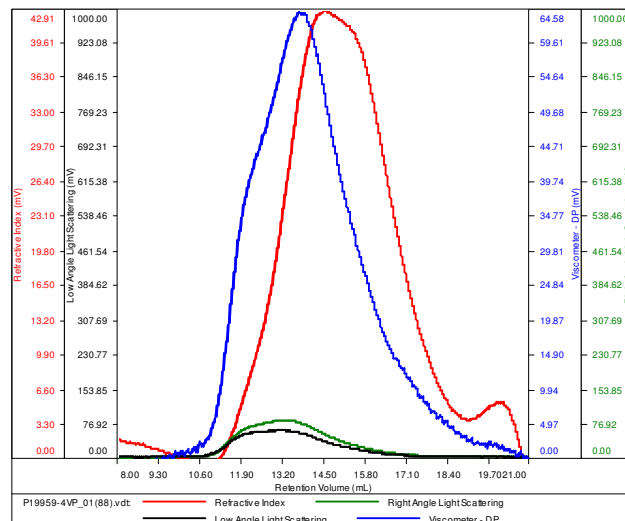
**Solubility:**

Poly(4-vinylpyridine) is soluble in DMF, THF, toluene, methanol, ethanol and  $CHCl_3$ . It precipitates from water and hexanes, ether.

**SEC elugram of Homopolymer:**

P19959-4VP

Conc (mg/mL)	4.1319
dn/dc (mL/g)	0.1530
Method	PS80k-May-25-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P19959-4VP_01(88).vdt	108,910	259,627	183,440	2.384	0.6311