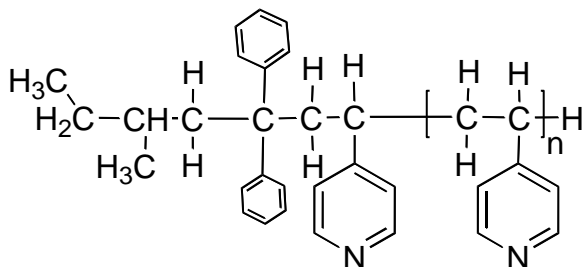


## Sample Name: Poly(4-vinyl pyridine)

Sample #: P18215-4VP

Structure:

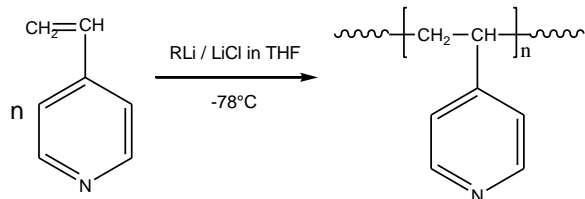


Composition:

Mn x10 <sup>-3</sup>	PDI
7.0	1.04

### Synthesis Procedure:

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



### Characterization:

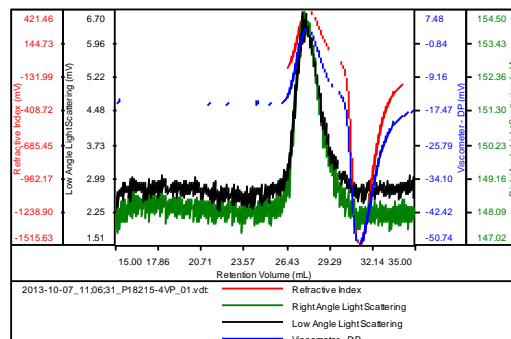
The molecular weight and polydispersity index (PDI) of poly(4-vinyl pyridine) are obtained by size exclusion chromatography in DMF.

### Solubility:

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

### SEC of Homopolymer:

ID	P18215-4VP
Conc	0.7823
Recovery	0.0000
dn/dc	0.1750
Method	PS80K-AUG2013-0000.vcm
Solvent	DMF w 0.05M LiBr
Column	PSS



Sample	Mn	Mw	Mz	Mp	Mw/Mn	Ret Time
2013-10-07_11:06:31_P18215-4VP	6,842	7,143	7,548	6,840	1.044	27.753

