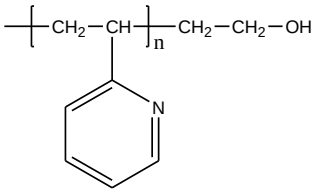
Sample Name:
Hydroxy Terminated Poly(2-Vinyl Pyridine)

Sample #: **P18796-2VPOH**

Structure:

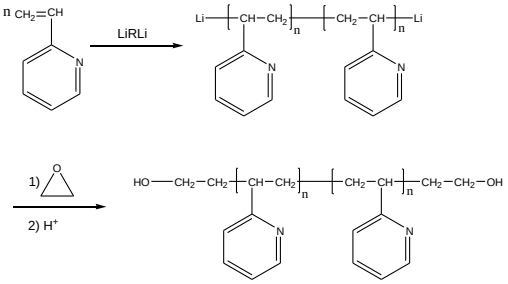


Composition:

Mn x 10^3	PDI
4.0	1.06

Synthesis Procedure:

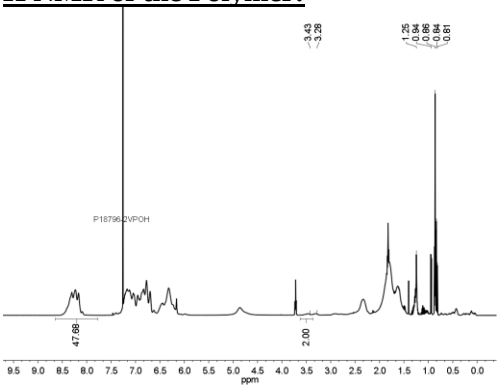
Dihydroxy terminated poly(2-vinyl pyridine) was prepared by living anionic polymerization of 2-vinyl pyridine using a bifunctional initiator in THF followed by termination with ethylene oxide. The scheme of the reaction is illustrated below:



Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

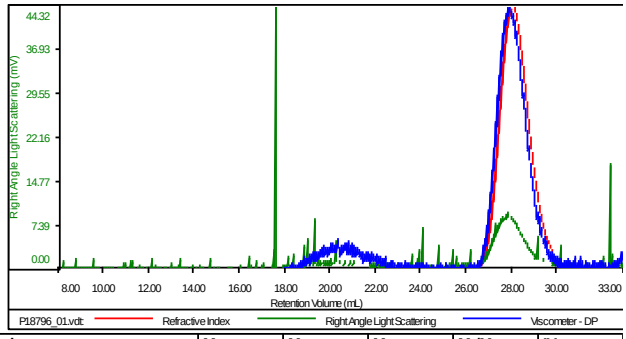
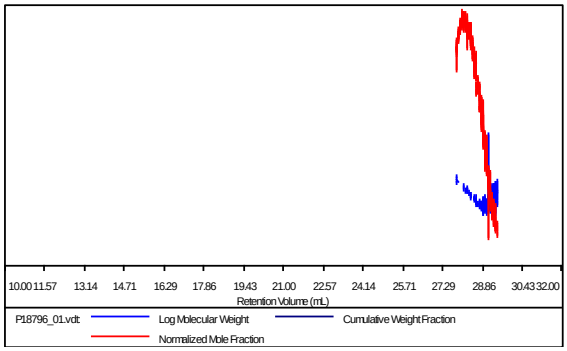
H NMR of the Polymer:



SEC of Sample:

Sample ID: P18796-2VPOH

Concentration (mg/mL)	1.0504
Sample dn/dc (mL/g)	0.1670
Method File	PS80K-July11-2014-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18796_01.vdt	3,870	4,098	4,135	1.059	0.2749