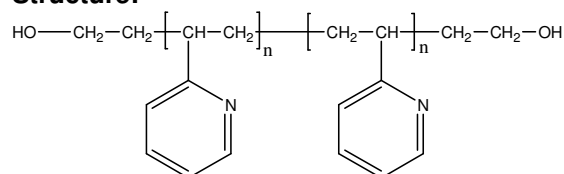


Sample Name: Hydroxy Terminated Poly(2-Vinyl Pyridine)

Sample #: P18795-2VPOH

Structure:

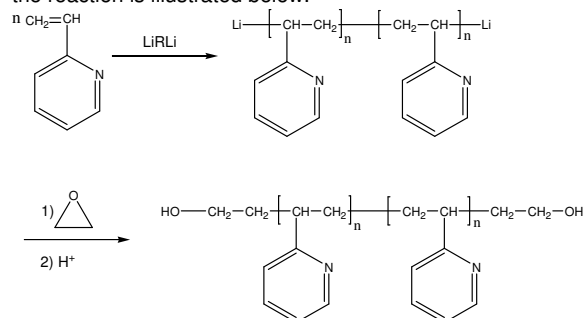


Composition:

Mn x 10 ³	PDI
5.0	1.09

Synthesis Procedure:

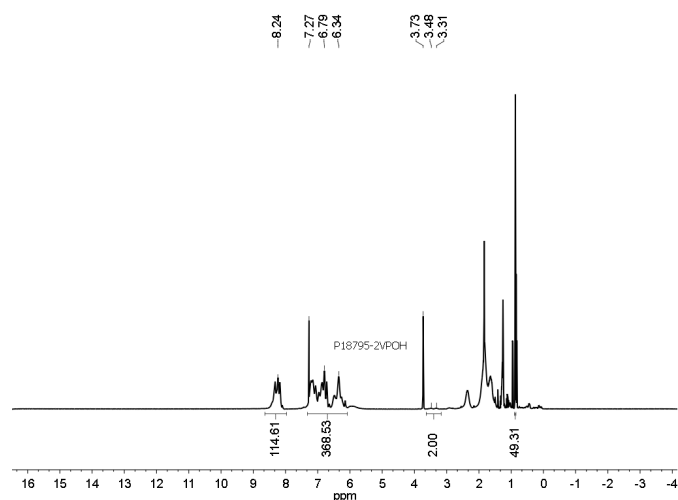
Dihydroxy terminated poly(2-vinyl pyridine) was prepared by living anionic polymerization of 2-vinyl pyridine using a bifunctional initiator in THF followed by termination with ethylene oxide. The scheme of the reaction is illustrated below:



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.

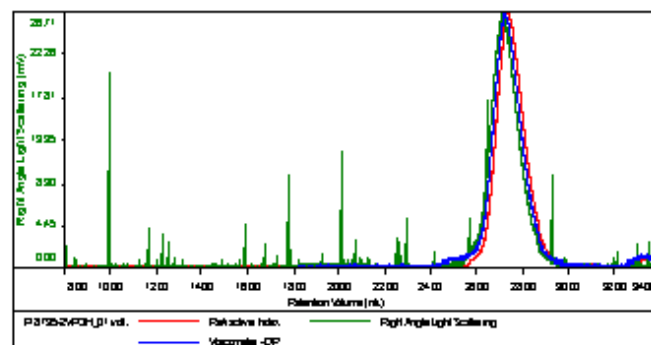
H NMR of the Polymer:



SEC of Sample:

Sample ID: P18795-2VPOH

Concentration (mg/mL)	2.3793
Sample drive (mL/g)	0.1670
Method File	PS80161111-2014-0000.ucm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn	Mw	PD	Mw/Mn	IV
P18795-2VPOH_01.udt	5,019	5,518	5,452	1.085	0.3254

