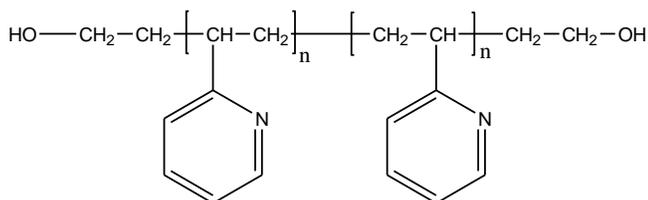


Sample Name:

Poly(2-vinyl pyridine), α,ω -bis(hydroxy)-terminated

Sample #: P42845-2VP2OH

Structure:

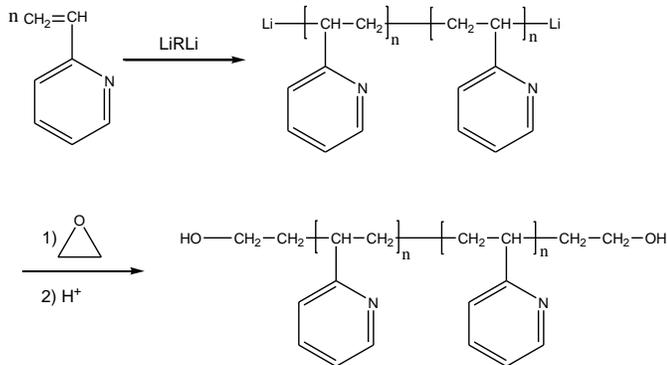


Composition:

$M_n \times 10^3$	PDI
5.0	1.02

Synthesis Procedure:

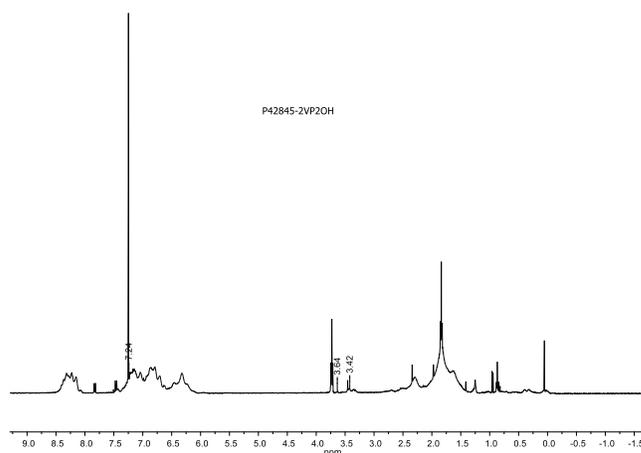
Dihydroxy terminated poly(2-vinyl pyridine) was prepared by living anionic polymerization of 2-vinyl pyridine using a bifunctional initiator in THF followed by termination with ethylene oxide. The scheme of the reaction is illustrated below:



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 and HNMR data analysis.

$^1\text{H-NMR}$ spectrum of the Polymer:



SEC elugram of the Sample:

