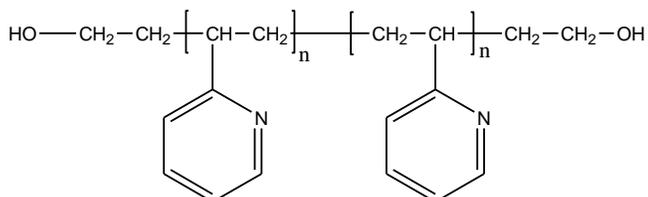


Sample Name:

**Hydroxy Terminated Poly(2-Vinyl Pyridine)**

Sample #: **P42839-2VP2OH**

Structure:

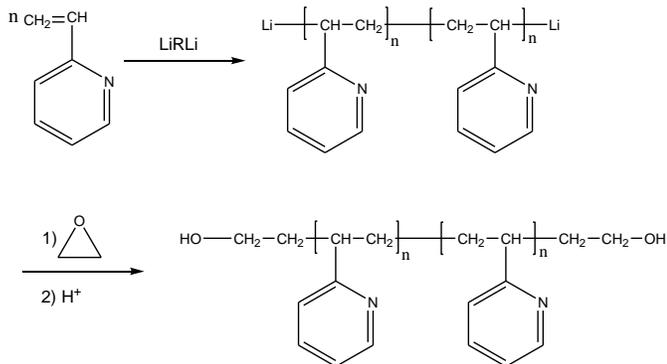


Composition:

|                   |     |
|-------------------|-----|
| $M_n \times 10^3$ | PDI |
| 56.0              | 3.4 |

Synthesis Procedure:

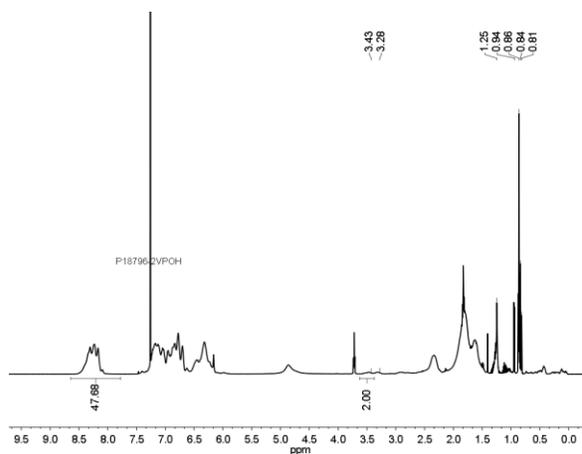
Dihydroxy terminated poly(2-vinyl pyridine) was prepared by living anionic polymerization of 2-vinyl pyridine using a bifunctional initiator in THF followed by termination with ethylene oxide. The scheme of the reaction is illustrated below:



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.

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



**SEC elugram of the Sample:**

