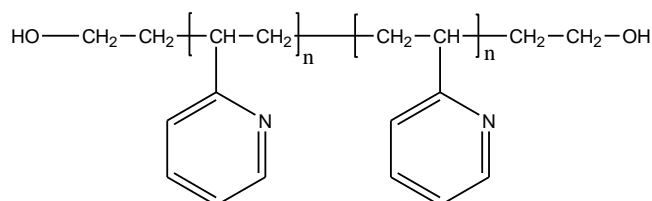


Sample Name:

Hydroxy Terminated Poly(2-Vinyl Pyridine)

Sample #: **P42839-2VP2OH**

Structure:

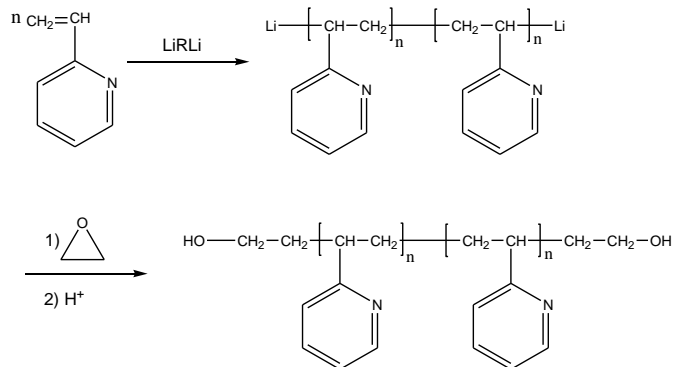


Composition:

$\text{Mn} \times 10^3$	PDI
56.0	3.4

Synthesis Procedure:

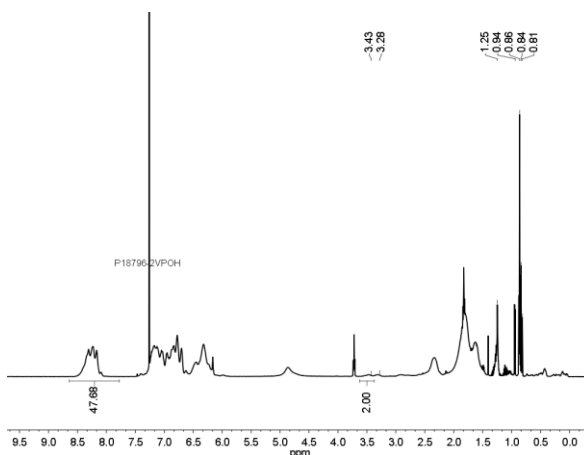
Dihydroxy terminated poly(2-vinyl pyridine) was prepared by living anionic polymerization of 2-vinyl pyridine using a bifunctional initiator in THF followed by termination with ethylene oxide. The scheme of the reaction is illustrated below:



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.

¹H-NMR spectrum of the Polymer:



SEC elugram of the Sample:

