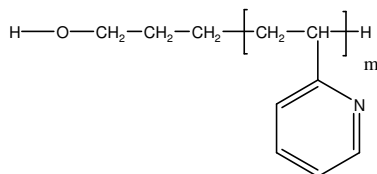


Sample Name:

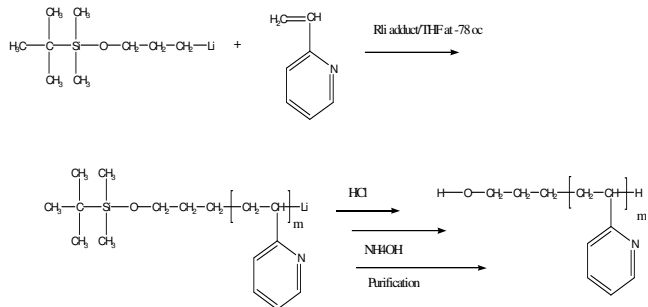
Hydroxy Terminated Poly(2-Vinyl Pyridine)

Sample #: P19096-2VPOH**Structure:****Composition:**

$M_n \times 10^3$	PDI
79.0	1.45
Functionality %	>99%
T_g for the functional polymer	94°C

Synthesis Procedure:

Hydroxy terminated poly(2-vinyl pyridine) was prepared by living anionic polymerization of 2-vinyl pyridine in THF using OH protected initiator. 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.

Thermal analysis:

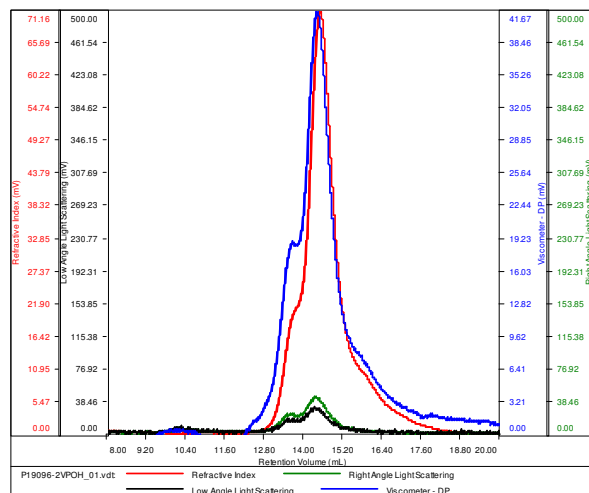
Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (T_g) has been considered.

Solubility:

Polymer is soluble in CHCl_3 and THF.

SEC of Sample:**SAMPLE ID:** P19096-2VPOH

Conc (mg/mL)	1.7809
dn/dc (mL/g)	0.1530
Method	PS80K-NOV2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P19096-2VPOH_01.vdt	78,868	113,331	99,970	1.437	0.3777

DSC thermogram for the sample: