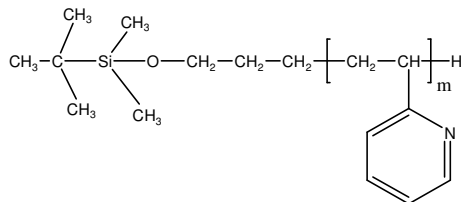


**Sample Name:**

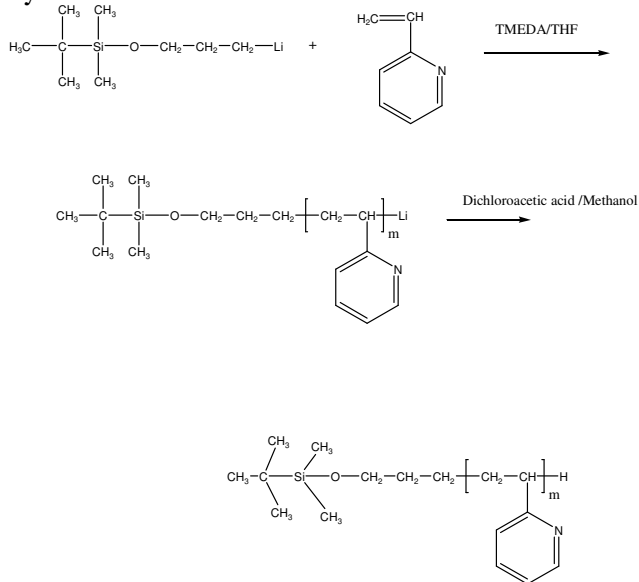
Tert.butyl dimethyl siloxy propyl Terminated  
Poly(2-Vinyl Pyridine)

**Sample #:**

P19188-tBuDMSPPr2VP

**Structure:****Composition:**

$M_n \times 10^3$	PDI
22.0	1.11
Functionality %	>99%

**Synthesis Procedure:****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.

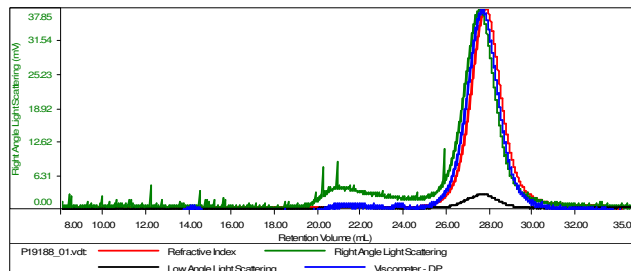
**Solubility:**

Polymer is soluble in  $\text{CHCl}_3$  and THF.

**SEC of Sample:**

Sample ID: P19188-2VP OHProtected

Concentration (mg/mL)	8.1499
Sample dn/dc (mL/g)	0.1670
Method File	PS80K-March6-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19188_01.vcl	21,702	24,077	21,716	1.109	0.0833