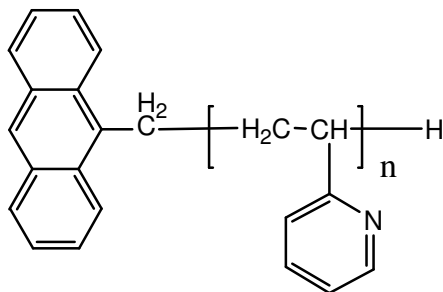


**Sample Name:**  
**Anthracene terminated poly(2-vinyl pyridine)**

**Sample #** P19724-2VPAN

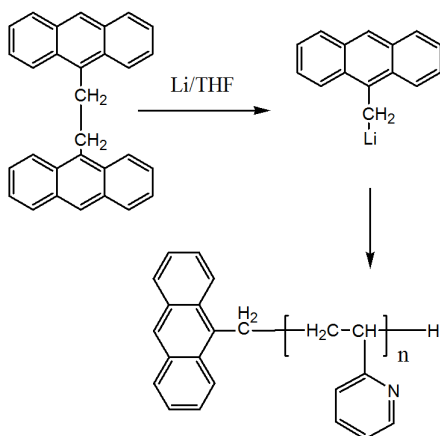
**Structure:**



**Composition:**

$M_n \times 10^3$	$M_w/M_n$
12.0	1.28
Functionality with anthracene:	> 99%
$T_g$ :	101°C

**Synthesis procedure:**



**Characterization:**

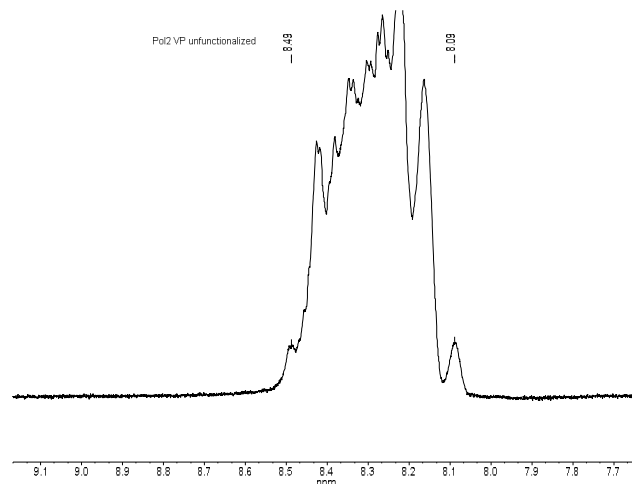
Purity and degree of functionality of the polymer were calculated by  $^1\text{H}$  NMR spectroscopy.

The molecular weight and polydispersity index ( $M_w/M_n$ ) were determined by size exclusion chromatography (SEC).

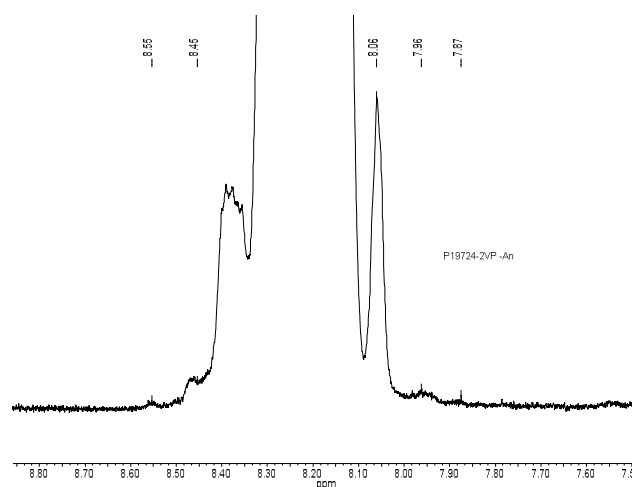
**Reference for further information:**

- Varshney, S. K.; Song, Z.; Zhang, Jian-Xin; Jerome, R. *Rapid Communication; J. Polym. Sci. Part A*, 2006, 44, 3400.

**$^1\text{H}$  NMR of the P2VP before functionalization:**



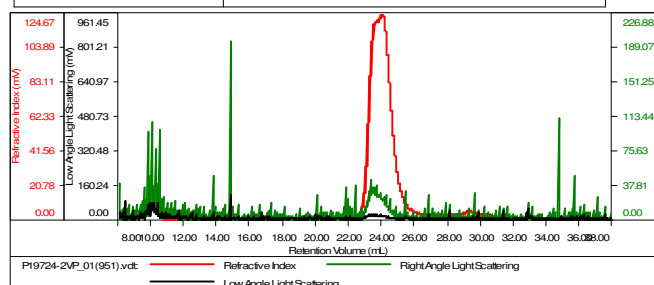
**$^1\text{H}$  NMR of the anthracene-functionalized P2VP:**



**SEC elugram of the polymer:**

**Sample ID** P19724-2VPAn

Concentration (mg/mL)	0.6357
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-March2016-0001.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Rh (nm)	Ret Vol (mL)
P19724-2VP_01(951)	11,306	13,990	1.237	0.3734	5.26	24.020