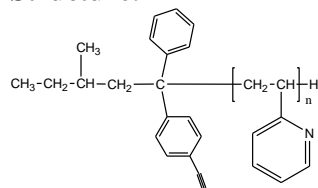


**Sample Name:** Alkyne Terminated Poly (2-vinyl pyridine)

**Sample #:** P18368-2VP-Alkyne

**Structure:**

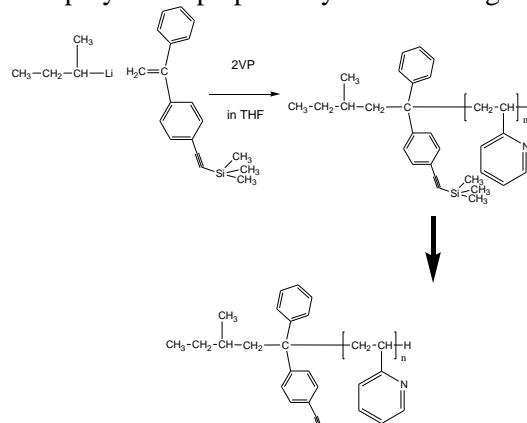


**Composition:**

Mn x 10 <sup>3</sup>	PDI
8.0	1.09

**Synthesis:**

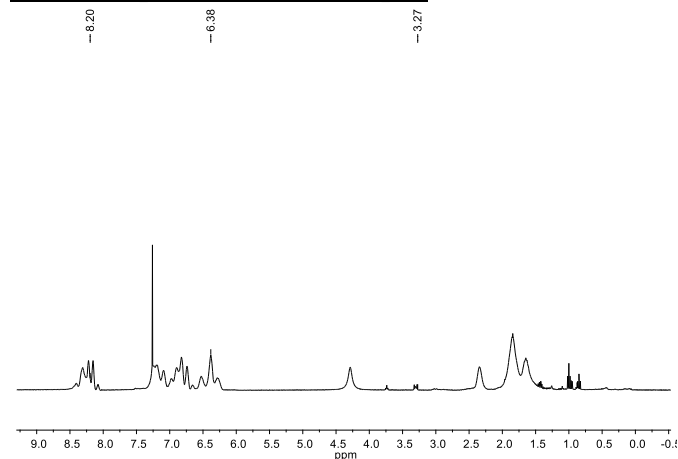
The polymer is prepared by the following scheme:



**Characterization:**

The molecular weight and polydispersity index (PDI) of polymer is obtained by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

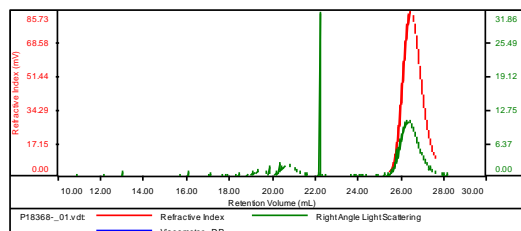
**<sup>1</sup>H NMR spectrum of the sample:**



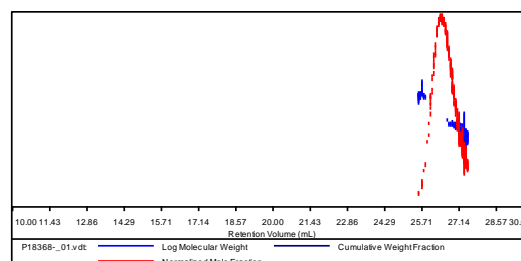
**SEC elugram of the Sample:**

Sample ID: P18368-Alkyne-2VP

Concentration (mg/mL)	2.6368
Sample dn/dc (mL/g)	0.1670
Method File	PS80K-NOV25-2013-0001.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18368_01.vdt	8,070	8,792	9,012	1.089	0.1159



**Reference for further information:**

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