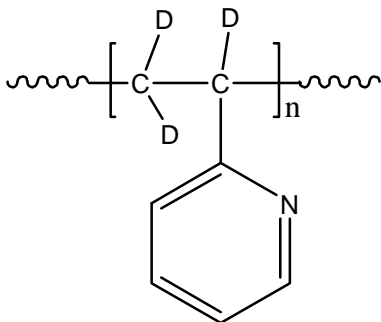


Sample Name:

**Deuterated (d3) Poly(2-vinyl pyridine)**  
(ethyl groups are deuterated)

Sample #: **P14779-d3P2VP**

Structure:



Composition:

Mn x 10 <sup>3</sup>	PDI
92.5	1.16

### Synthesis Procedure:

The polymer was prepared by anionic living polymerization process.

### Characterization:

The molecular weight and polydispersity index (PDI) were obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

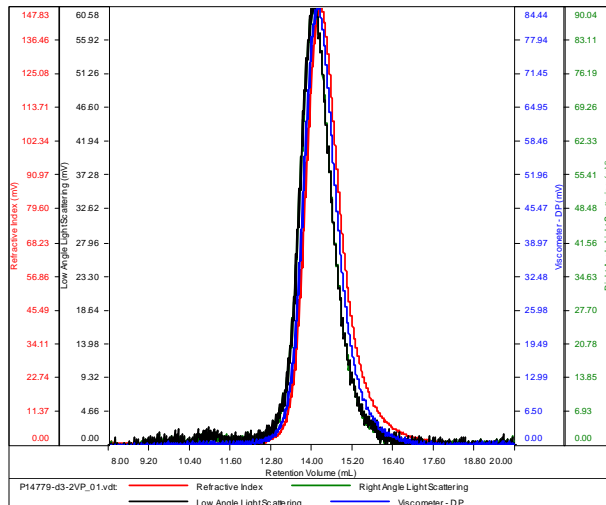
### Solubility:

Polymer is soluble in DMF, THF, toluene, methanol, ethanol and CHCl<sub>3</sub>. It precipitates from water and hexanes, ether.

### SEC elugram:

SAMPLE ID: P14779-d32VP

Conc (mg/mL)	3.6736
dn/dc (mL/g)	0.1530
Method	PS80K-AUG2014-0000.vcm
Solvent	DMF w 0.03M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P14779-d3-2VP_01.vdt	92,469	107,774	110,756	1.166	0.3103