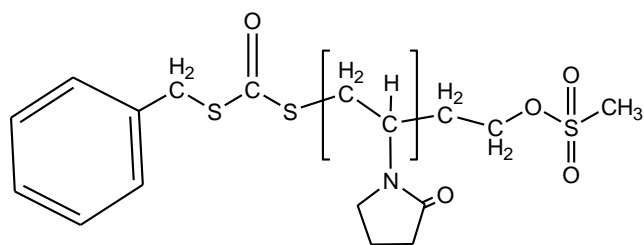
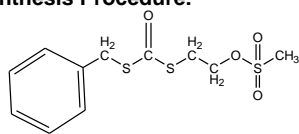
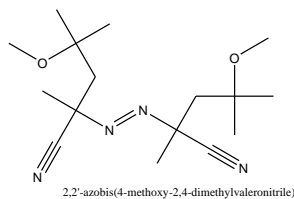
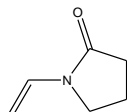


**Sample Name:****Mesylate terminated poly(N-vinylpyrrolidone)****Sample #:** P18235-NVP-Mesylate**Structure:**

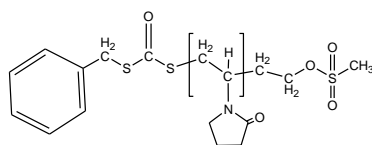
Mn x 10 <sup>3</sup>	PDI
11.0	1.2

**Synthesis Procedure:**

C<sub>11</sub>H<sub>14</sub>O<sub>4</sub>S<sub>3</sub>  
 Exact Mass: 306.0  
 Mol. Wt.: 306.4  
 C, 43.12; H, 4.61; O, 20.89; S, 31.39



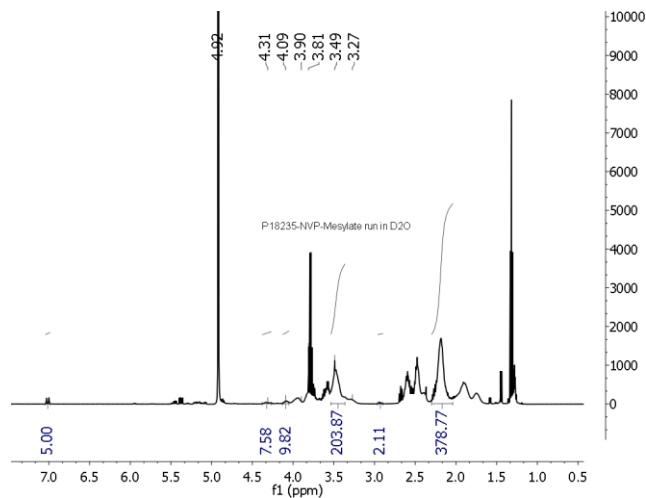
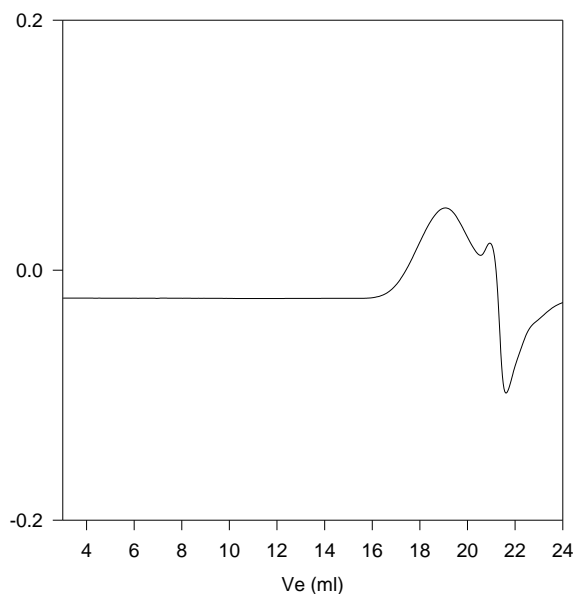
Exact Mass: 308.2  
 Mol. Wt.: 308.4  
 C, 62.31; H, 9.15; N, 18.17; O, 10.38

**Characterization:**

The molecular weight and polydispersity was determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector in DMF containing 0.01M LiBr salt.

**Solubility:**

Polymer is soluble in chloroform, THF, DMF, ethanol and water, and precipitate out from hexanes and ether.

**NMR of Sample:****SEC of Sample:****P18235-NVP-Mesylate**

Size exclusion chromatography in DMF at 40 °C:  
 Eluent containing 0.01 M LiBr

— Hydroxyl ended poly(N-vinylpyrrolidone),  
 M<sub>n</sub>=11,000, M<sub>w</sub>=13,200, PI=1.2. (SEC polystyrene standard)