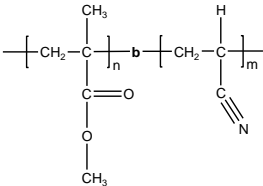


Sample Name: Poly (Acrylonitrile-b-nButylacrylate)

Sample #: P40534-ACNnBuA

Structure:



Composition:

|                                 |                 |
|---------------------------------|-----------------|
| $M_n \times 10^3$<br>ACN-b-nBuA | $M_w/M_n$ (PDI) |
| 9.0-b-65.0                      | 1.29            |

Synthesis Procedure:

Polymer is prepared by controlled radical process.

Characterization:

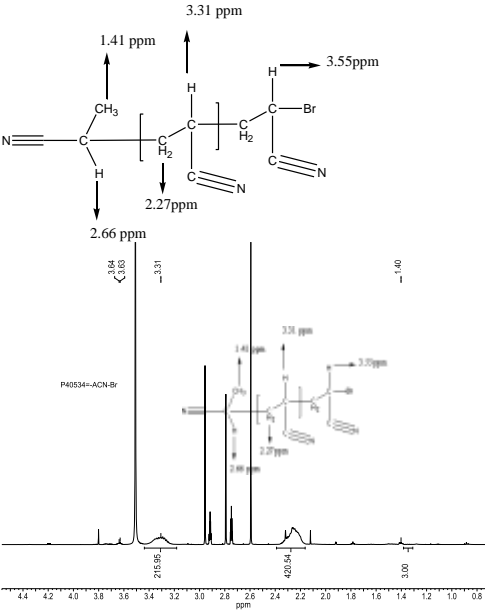
The polymer was characterized by  $^1\text{H}$  NMR and size exclusion chromatography (SEC) in DMF.

Solubility:

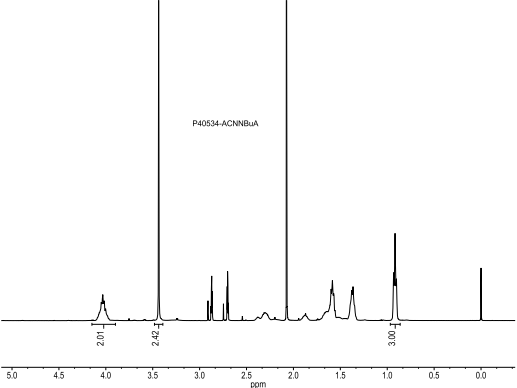
Polymer is soluble in DMF, and precipitated in methanol and hexanes.

$^1\text{H}$  NMR spectrum of the PACN-Br in DMF:

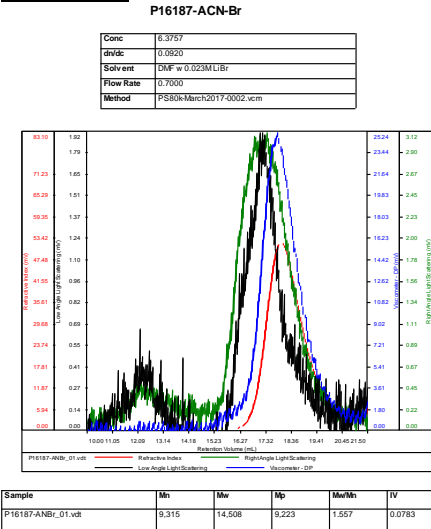
Chemical Shifts in DMF



$^1\text{H}$  NMR spectrum of the Product:



SEC elugram of the PACN-Br used in this Synthesis:



SEC elugram of the Product:

