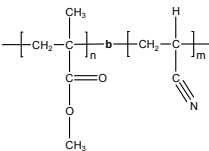


Sample Name: Poly (Acrylonitrile-b-nButylacrylate)

Sample #: P16197-ACNnBuA

Structure:



Composition:

Mn × 10 <sup>3</sup> ACN-b0-nBuA	Mw/Mn (PDI)
9.0-b-21.0	1.13

Synthesis Procedure:

Polymer is prepared by controlled radical process.

Characterization:

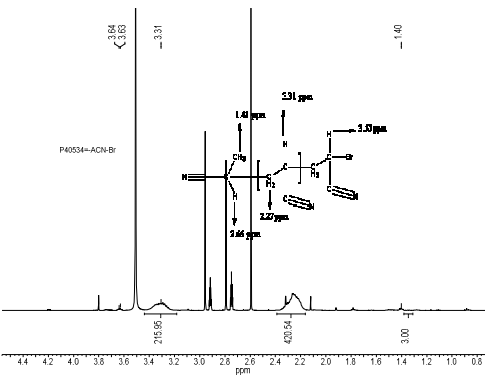
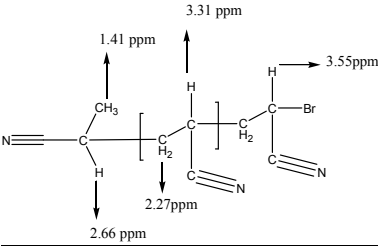
The polymer was characterized by 1H NMR and size exclusion chromatography (SEC) in DMF.

Solubility:

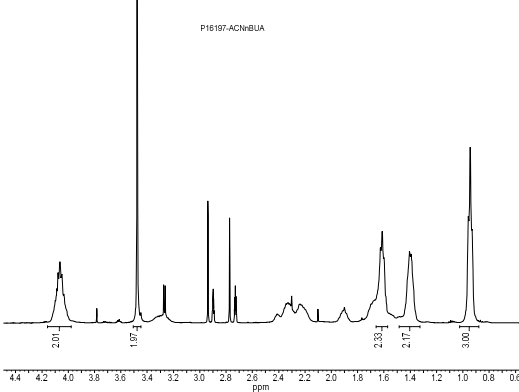
Polymer is soluble in DMF, and precipitated in methanol and hexanes.

1H NMR spectrum of the PACN-Br in DMF:

Chemical Shifts in DMF



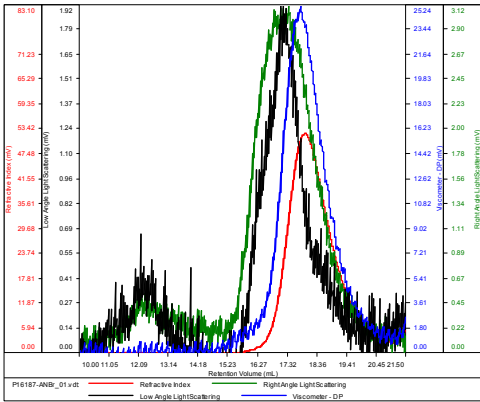
1H NMR spectrum of the Product:



SEC elugram of the PACN-Br:

P16187-ACN-Br

Conc	6.3757
dn/dc	0.0920
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k-March2017-0002.vcm

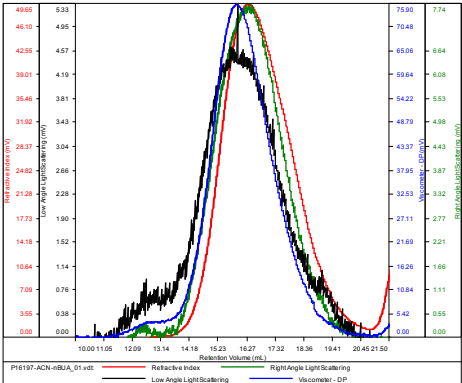


Sample	Mn	Mw	Mp	Mw/Mn	IV
P16187-ANBr_01.vdt	9,315	14,508	9,223	1.557	0.0783

SEC elugram of the Product:

P16197-ACNnBuA

Conc	10.1489
dn/dc	0.0900
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k-March2017-0002.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P16197-ACN-nBuA_01.vdt	30,437	34,535	32,647	1.135	0.2181