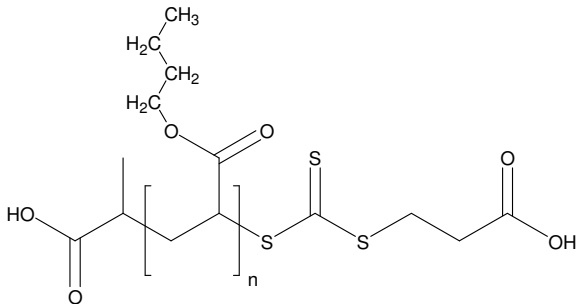


Sample Name: Poly(n-Butyl acrylate)

Sample #: P16016A-nBuA

Structure:

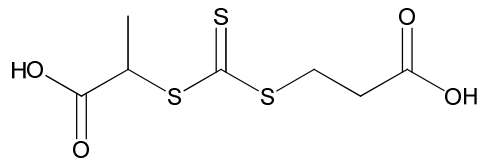


Composition:

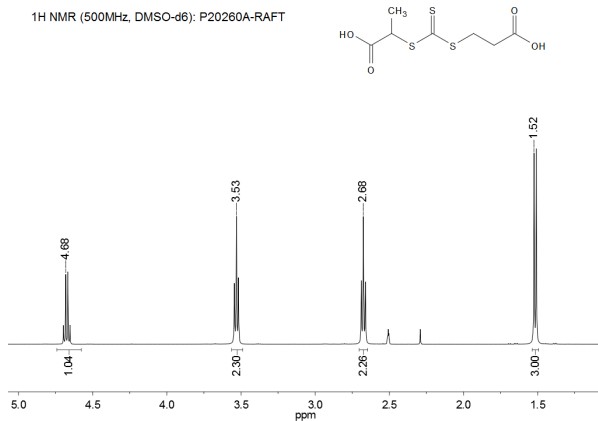
Mn x 10 ³	Mw/Mn (PDI)
7.0	1.08

Synthesis Procedure:

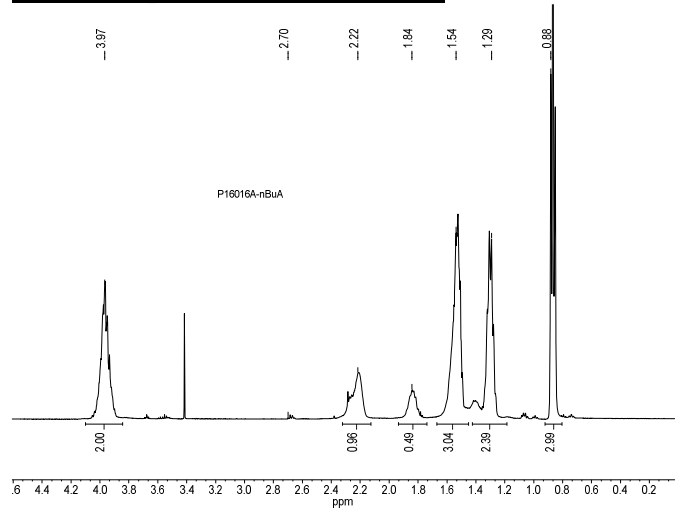
Poly(acrylic acid) is synthesized by RAFT polymerization of acrylic acid xanthate as chain transfer agent shown as follows:



¹H NMR spectrum (500 MHz, DMSO-d₆):



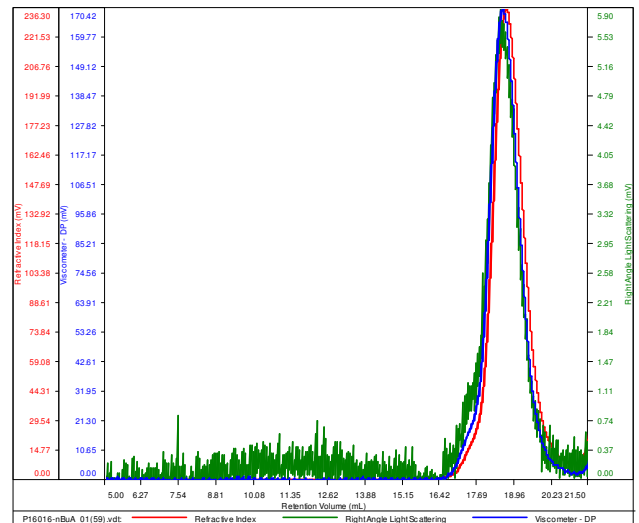
¹H-NMR Spectrum of the Polymer:



SEC elugram of the poly(n-butyl acrylate):

P16016-nBuA

Conc (mg/mL)	17.7332
dn/dc (mL/g)	0.0650
Method	ps80k-May2016-0002.vcm
Solvent	DMF w/0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	MwMn	IV
P16016-nBuA_01(59).vdt	6,947	7,544	7,157	1.086	0.1350

Characterization:

The polymer was characterized by ¹H NMR and SEC