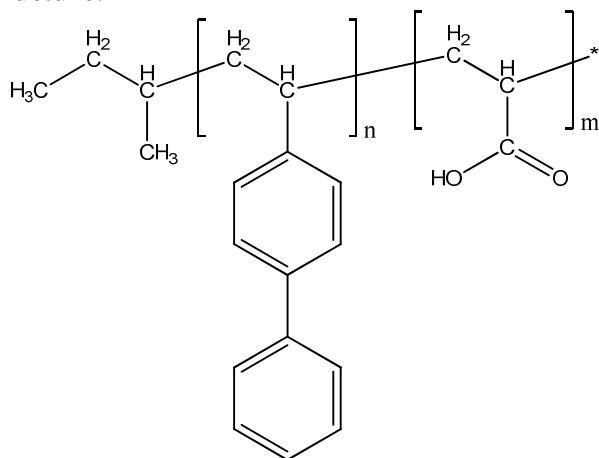


Sample Name:  
Poly(4-vinyl biphenyl *b*- acrylic acid)

Sample #: P19857-VBPAA

Structure:



Composition:

$M_n \times 10^3$ (VBP- <i>b</i> -AA)	$M_w/M_n$
32.0- <i>b</i> -44.0	1.18

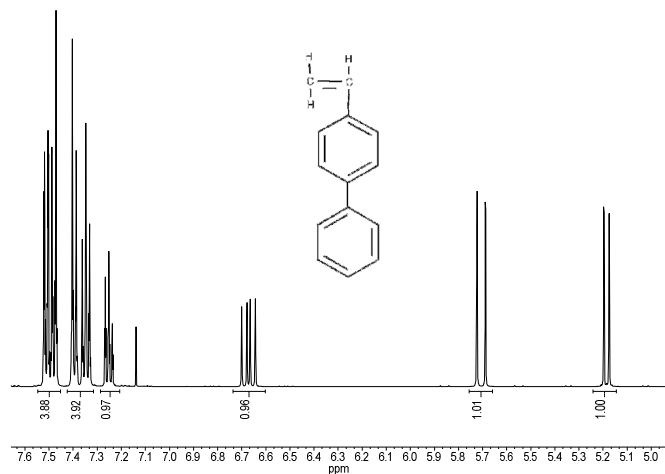
Synthesis procedure:

The polymer was synthesized by anionic process.

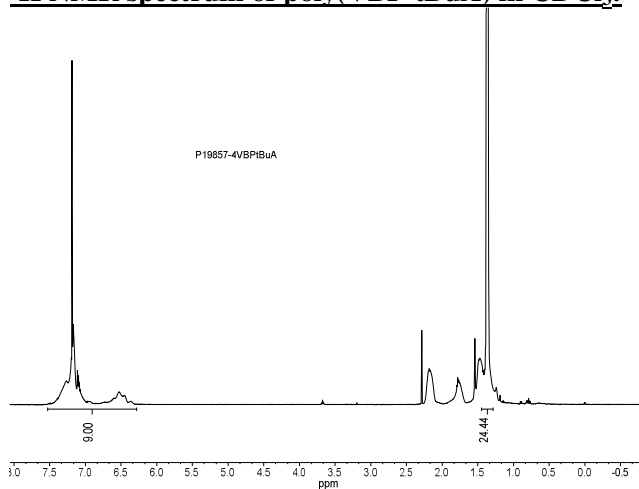
Solubility:

The polymer is soluble in THF.

$^1\text{H}$  NMR spectrum of 4-vinyl biphenyl monomer.



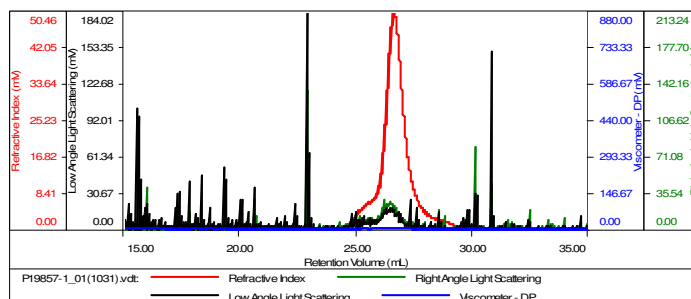
$^1\text{H}$  NMR spectrum of poly(VBP-*t*BuA) in  $\text{CDCl}_3$ :



SEC elugram of the polymer:

Sample ID: P19857-VP First Block

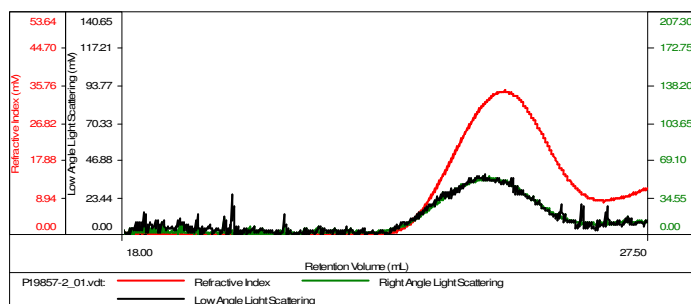
Concentration (mg/mL)	0.7016
Sample dn/dc (mL/g)	0.1860
Method File	PS80K-April-18-2016-0001.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mh (Da)	Mw (Da)	Mw/Mh	IV (dL/g)	Rh (nm)	Ret Vol (mL)
P19857-1_01(103)	31,845	41,680	1.309	0.1685	5.73	26.608

Sample ID: P19857-4VBP-tBuA

Concentration (mg/mL)	1.4505
Sample dn/dc (mL/g)	0.1520
Method File	PS80K-30JUNE2016-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mh (Da)	Mw (Da)	Mw/Mh	IV (dL/g)	Mp (Da)
P19857-2_01.vdt	118,842	140,198	1.180	3.4780	120,262