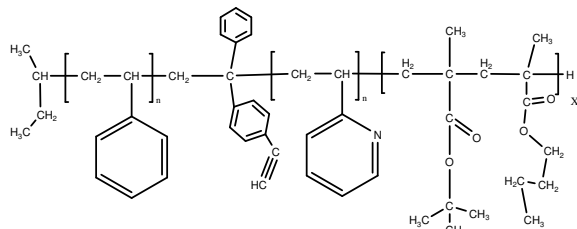


**Sample Name:** Poly(styrene-b-2-vinyl pyridine-tert butylmethacrylate-Butyl methacrylate ran) bearing ethynyl (acetylenic triple bond) phenyl – phenyl ethylene at the junction of S-2VP block

**Sample #:**

**P19064-S(acetylene) 2VPtBuMANBuMAran**

**Structure:**

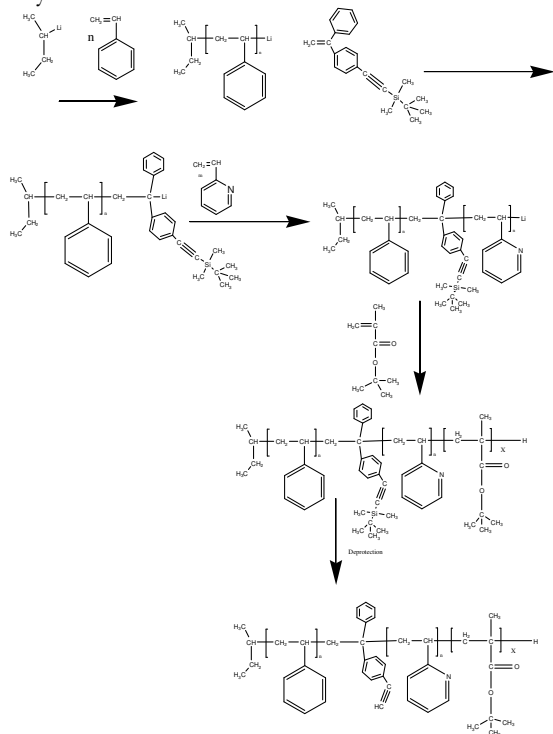


**Composition: tBuMA: nBuMA 1:1ratio**

Mn x 10 <sup>3</sup>	PDI
S-b-2VP-b-tBuMANBuMA	
57.5-b-16.0-b-1.0	1.09
HNMR	
Tg: °C	101:119
S:2VP	

### Synthesis Procedure:

By anionic Process



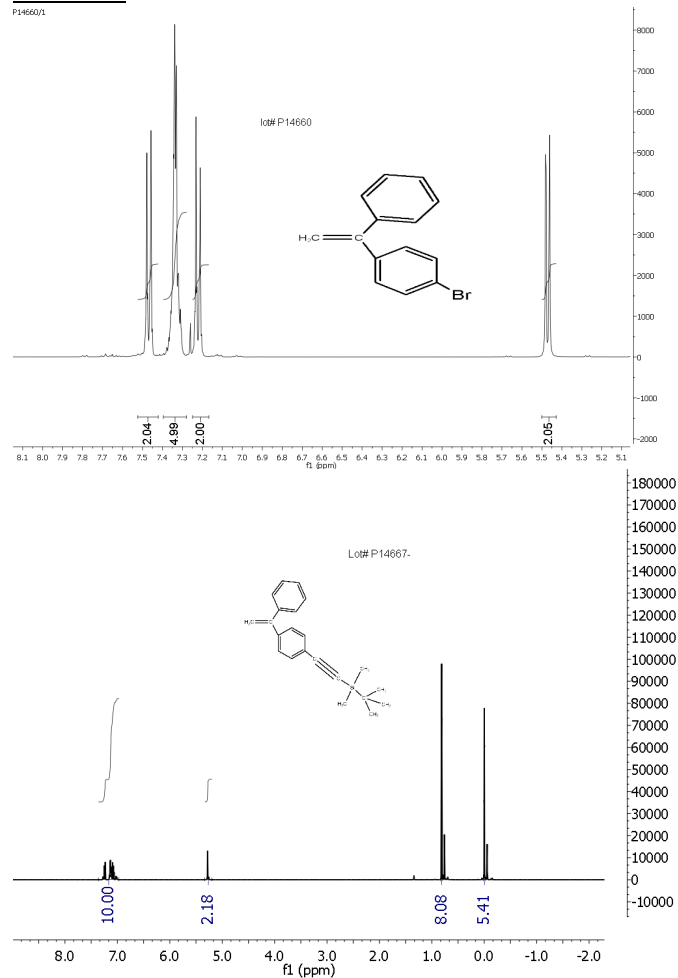
### Characterization:

By SEC and HNMR spectroscopy.

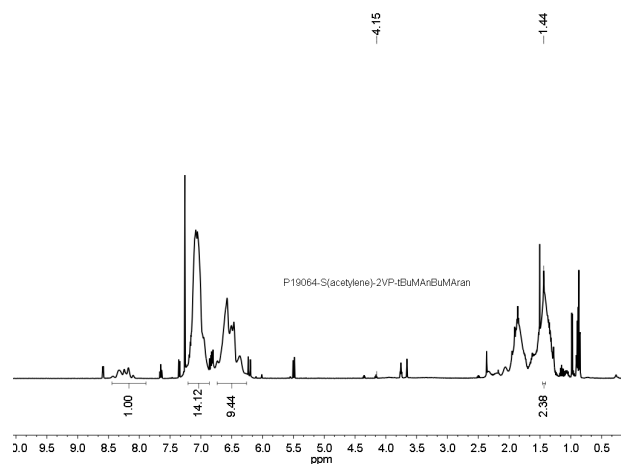
DPE-4Br:

The product was characterized by NMR and FTIR.

### H NMR:



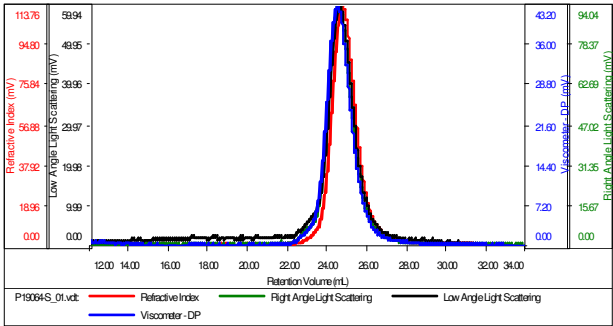
### <sup>1</sup>H-NMR Spectrum of the polymer



SEC for the polymer at different stages:

Sample ID: P19064-S

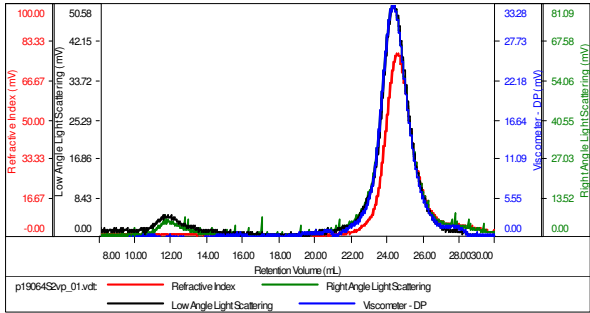
Concentration (mg/mL)	2.5251
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-Jan22-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19064-S_01.vdt	57,570	63,637	61,377	1.105	0.5319

Sample ID: P19064-S2VP

Concentration (mg/mL)	2.2759
Sample dn/dc (mL/g)	0.1750
Method File	PS80K-Jan22-2015-0001.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
p19064S2vp_01.vdt	73,269	79,149	72,092	1.080	0.5496