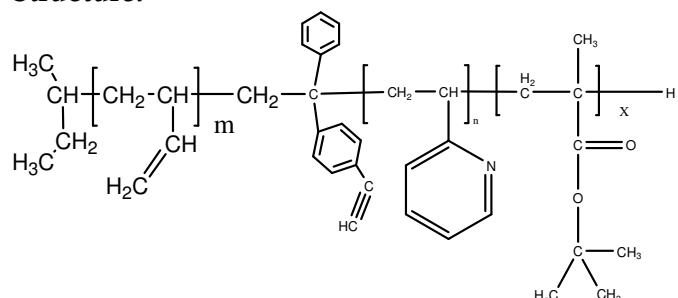


**Sample Name:** Poly(Butadiene-b-2-vinyl pyridine-tertbutyl methacrylate) bearing ethynyl (acetylenic triple bond) phenyl – phenyl ethylene at the junction of Bd-2VP block

**Sample #:** P18698-Bd(acetylene) 2VPtBuMA

**Structure:**

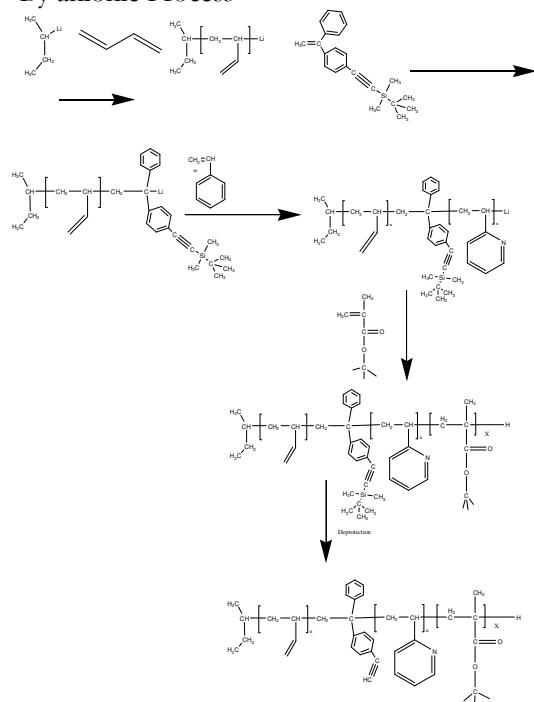


**Composition:**

Mn x 10 <sup>3</sup> Bd-b-2VP-b-tBuMA	PDI
3.5-b-32.0-b-170.00	1.06
The final Block contain traces amount of diblock copolymer Difficult to remove	<10%

**Synthesis Procedure:**

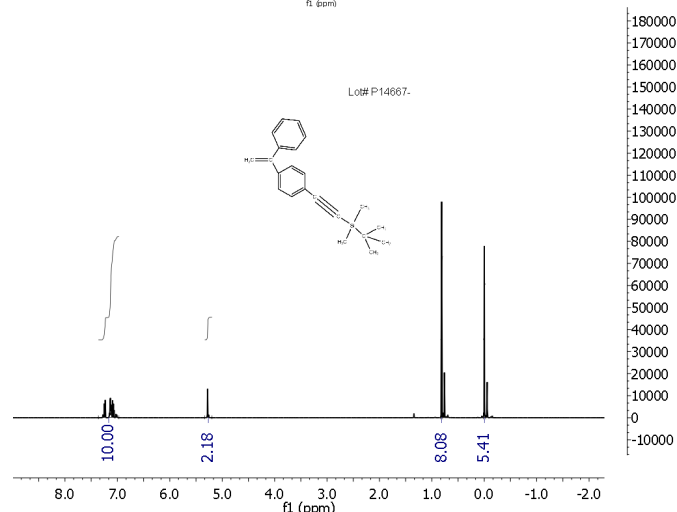
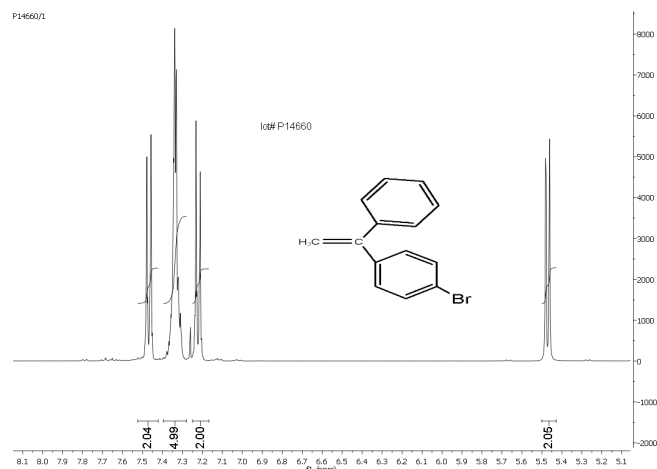
By anionic Process



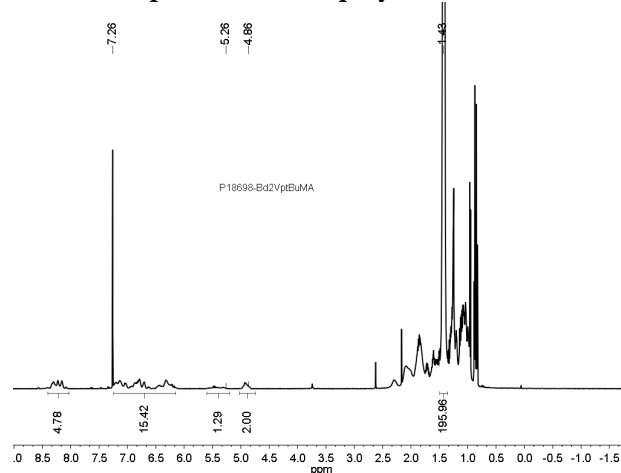
**Characterization:**

By SEC and HNMR spectroscopy.

DPE-4Br: The product was characterized by NMR and FTIR.



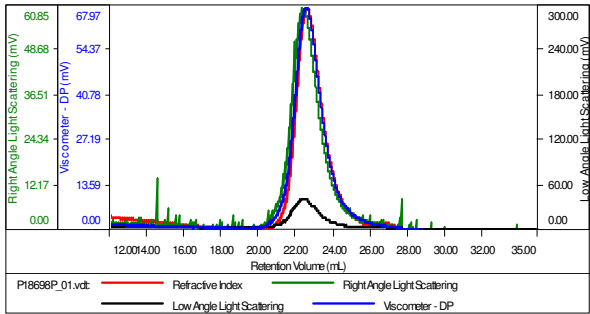
**<sup>1</sup>H-NMR Spectrum of the polymer**



SEC:

Sample ID: P18698-Bd(acetylene)2VPtBuMA

Concentration (mg/mL)	0.5312
Sample dn/dc (mL/g)	0.1100
Method File	PS80K-NOV27-2014-0001.vom
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)
P18698P_01.vdt	203,553	214,611	197,524	1.054	5.3746