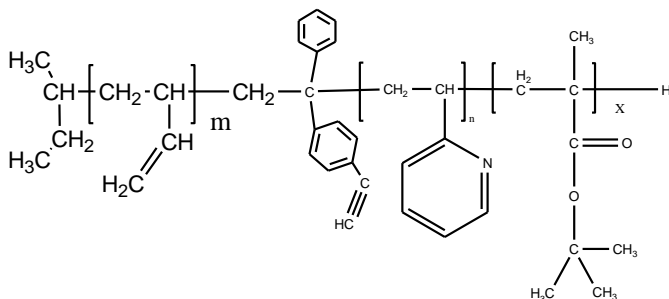


Sample Name:

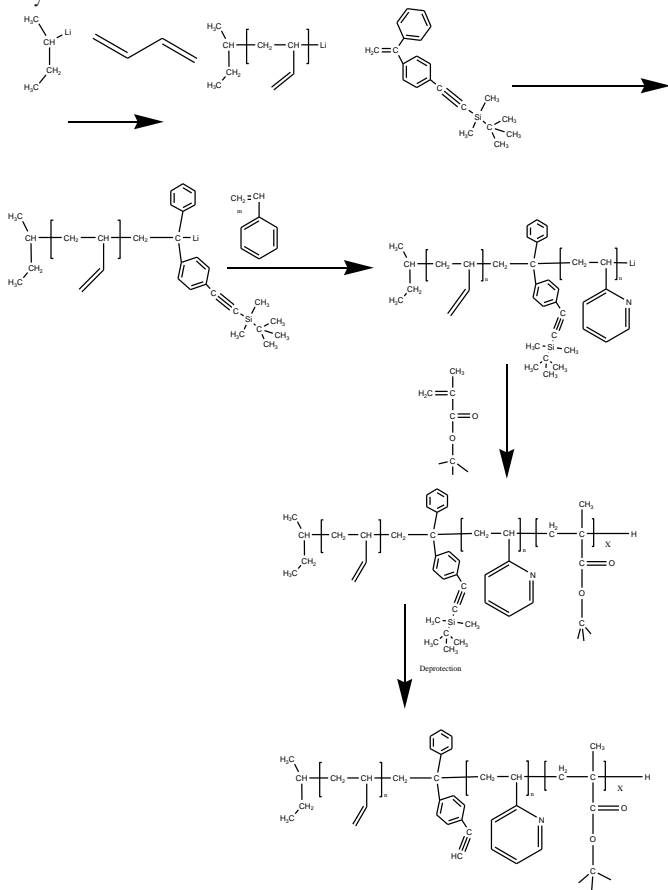
Poly(Butadiene-b-2-vinyl pyridine-tertbutyl methacrylate) bearing ethynyl (acetylenic triple bond) phenyl-phenyl ethylene at the junction of Bd-2VP block

Sample #: P18702-Bd(acetylene) 2VPtBuMA**Structure:****Composition:**

Mn x 10 ³	PDI
Bd-b-2VP-b-tBuMA	
21.0-b-35.0-b-110.0	1.18
The final Block contain traces amount of diblock copolymer Difficult to remove	<5%

Synthesis Procedure:

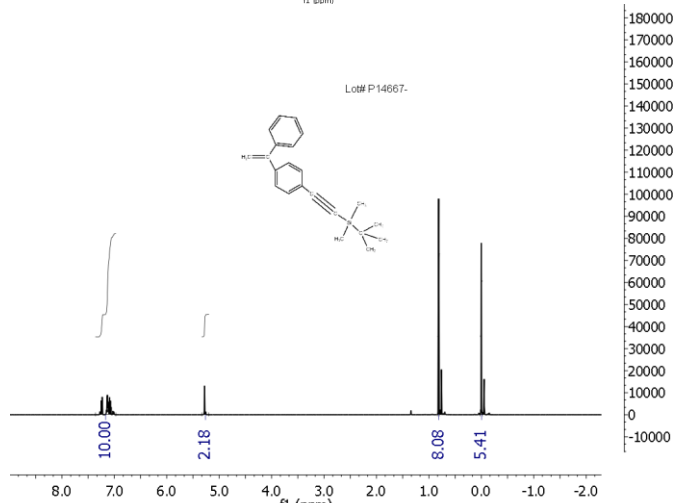
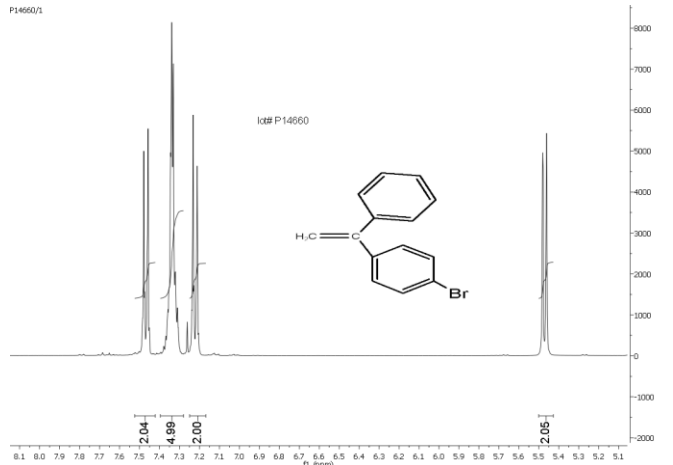
By anionic Process

**Characterization:**

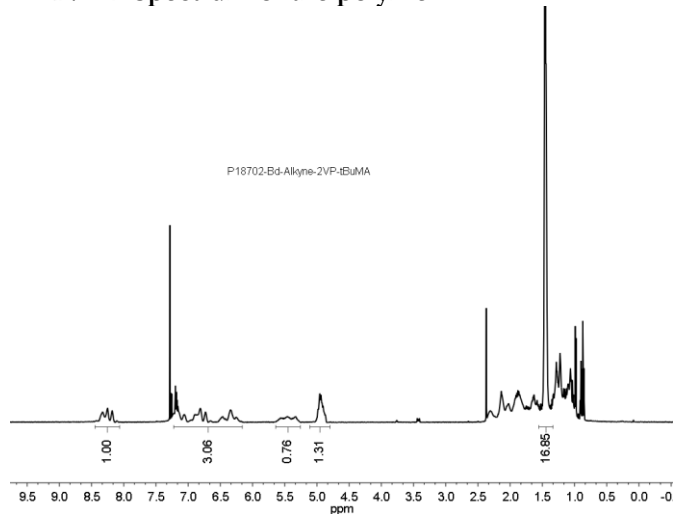
By SEC and HNMR spectroscopy.

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

P14660/1

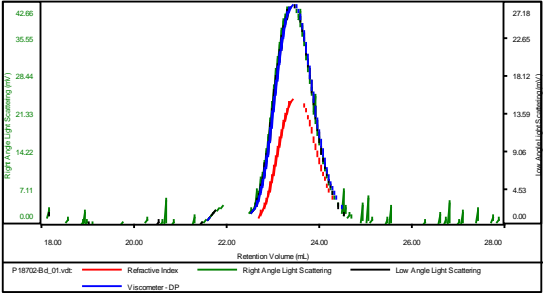


¹H-NMR Spectrum of the polymer

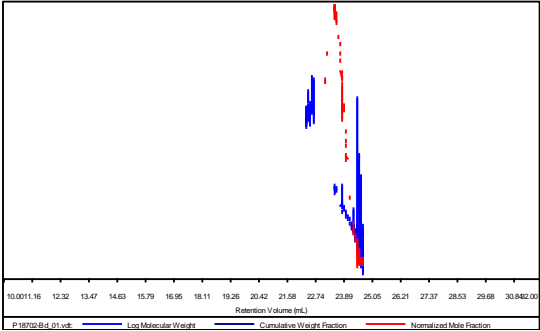


SEC for the polymer at different stages:
Sample ID: P18702-Bd

Concentration (mg/mL)	15.7129
Sample dn/dc (mL/g)	0.1270
Method File	PS80K-Apr15-2014-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF

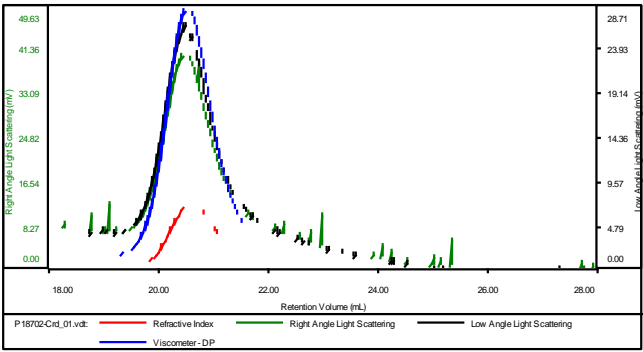


Sample	Mn	Mw	Mp	Mw/Mn	IV
P18702-Bd_01.vdt	20,832	21,802	21,392	1.047	0.2018



Sample ID: P18702-BdAlkyne-b-2VP-tBuMA

Concentration (mg/mL)	1.8773
Sample dn/dc (mL/g)	0.1470
Method File	PS80K-Apr15-2014-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18702-Crd_01.vdt	166,852	197,379	143,118	1.183	0.5574

