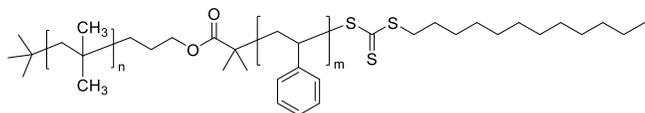


**Sample Name: Poly(isobutylene)-b-poly(styrene)**

**Sample #: P42370-IBS**

**Structure:**

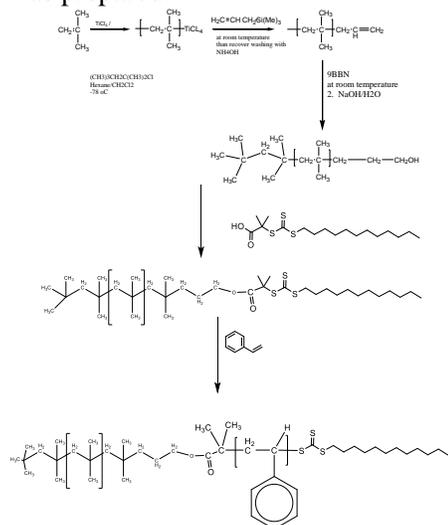


**Composition:**

Mn × 10 <sup>3</sup> Ib-b-S	Mw/Mn (PDI)
8.5-b-44.0	1.13

**Synthesis Procedure:**

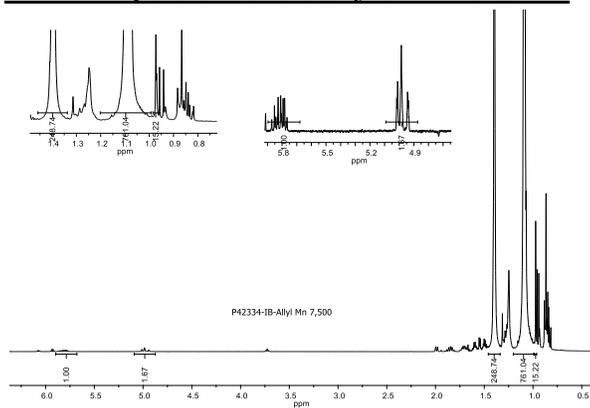
The following reaction scheme shows how the product was prepared:



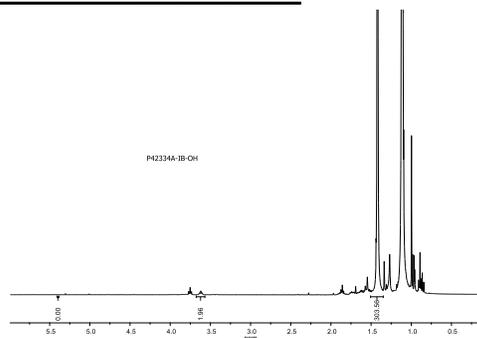
**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

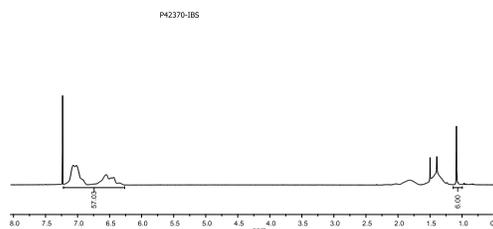
**<sup>1</sup>H NMR spectrum of the allyl terminated IB:**



**<sup>1</sup>H NMR spectrum of the Sample used to convert IB-RAFT macroinitiator:**



**<sup>1</sup>H NMR spectrum of the Block copolymer:**

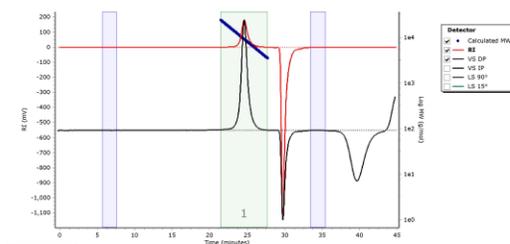


**SEC elugram of the allyl terminated PIB Used to prepare RAFT macromonomer:**

Agilent GPC/SEC Software

P42370-IB-RAFT

Chromatogram Plot



Molecular Weight Averages

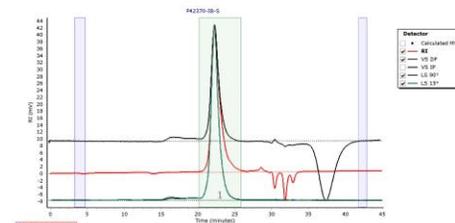
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	9252	9729	60311	9339	9694	9299	1.035

**SEC elugram of the Sample:**

Agilent GPC/SEC Software

P42370-IB-S

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	65279	52643	59612	65363	70701	64827	1.132