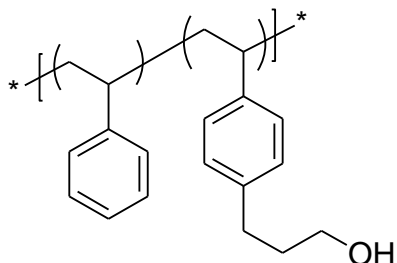


Sample Name:

**Poly(styrene-co-4-[3-hydroxypropyl]styrene),  
random**

Sample #: **P42937B-S4PrOHsran**

**Structure:**



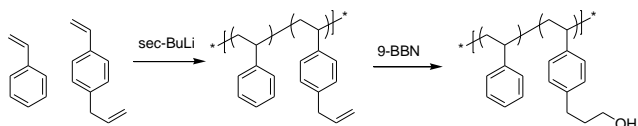
**Composition:**

Mn x 10 <sup>3</sup>	Mw/Mn
5.5	1.08

hydroxypropylstyrene: ~5 units

**Synthesis Procedure:**

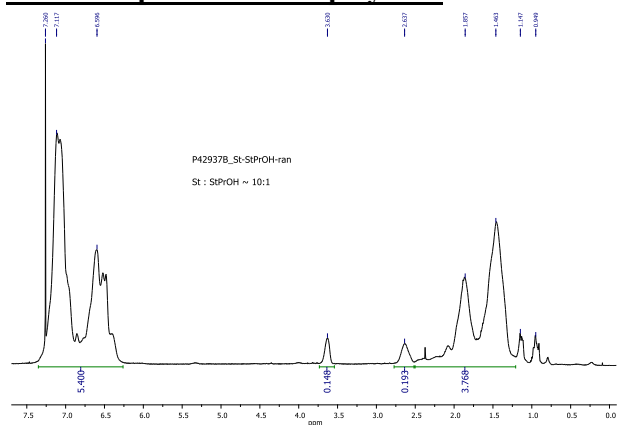
The polymer was prepared by means of a living anionic copolymerization of Styrene and 4-Allylstyrene, followed by the treatment with 9-BBN:



**Characterization:**

Molecular weight and composition of the product was carried out by size exclusion chromatography (SEC) and <sup>1</sup>H NMR spectroscopy.

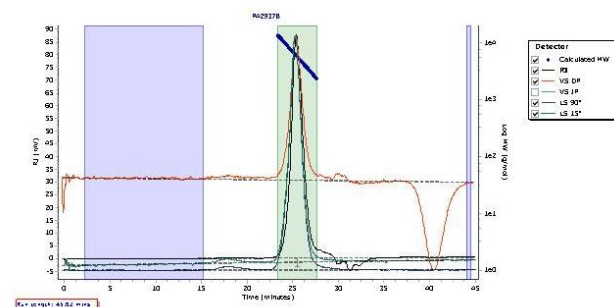
**<sup>1</sup>H-NMR spectrum of the polymer:**



**SEC elugram of the Polymer:**

P42937B

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mn (g/mol)	PD
Peak 1	5901	5377	5836	6314	6820	6182	1.085