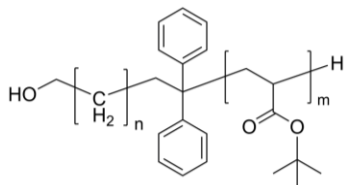


Sample Name:
Poly(methylene)-b-poly(tert-butyl acrylate)

Sample #: **P42280B-M-tBuA**

Structure:



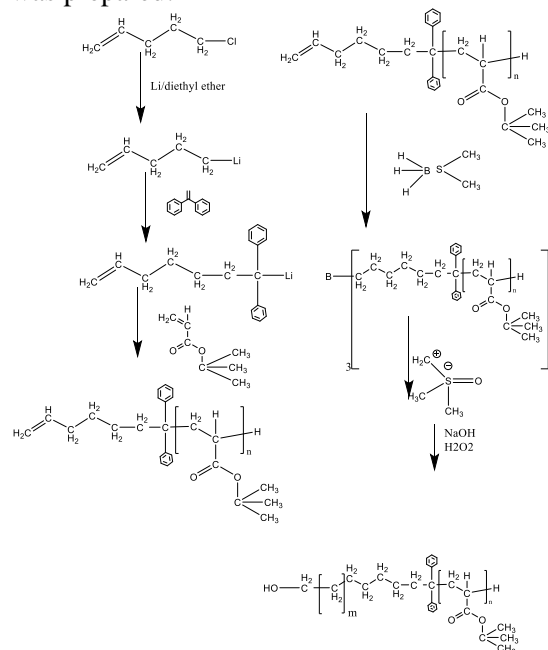
Composition:

Mn x 103 M-b-tBuA	PDI
0.17-b-5.0	1.10

Functionality:	100%
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Synthesis procedure:

The following reaction scheme shows how the product was prepared:



Characterization:

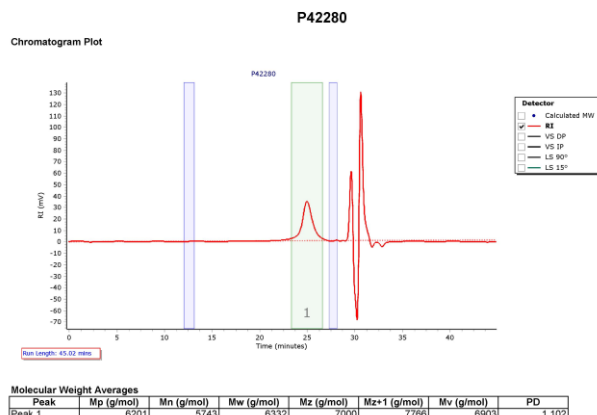
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. Agilent chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors.

Functionality:

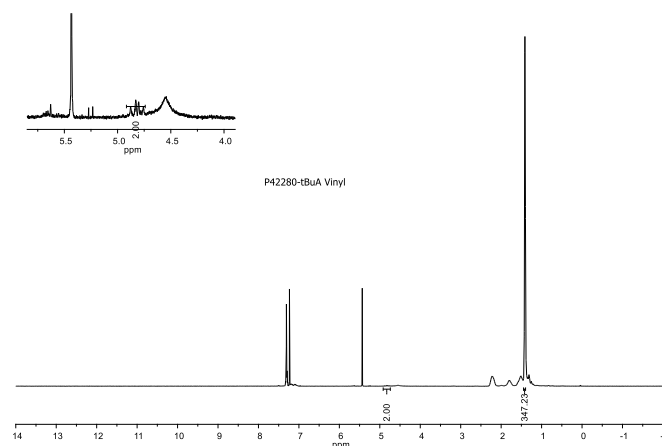
Functionality of the obtained polymer was determined by ¹H NMR spectroscopy.

SEC elugram of Poly (tert.butyl acrylate) Block:

Agilent GPC/SEC Software



HNMR spectrum of PtBuA vinyl:



HNMR spectrum of PAA -Vinyl in DMSO:

