

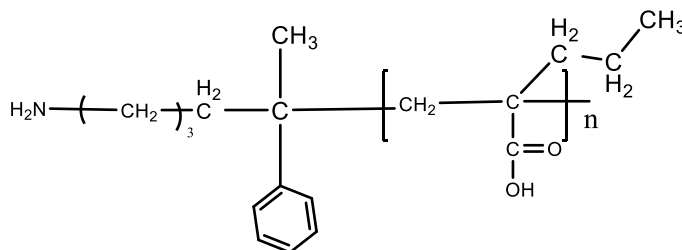
Product Profile

Identification

Product Name: Amino Terminated Poly(2-Propyl Acrylic Acid)

Product Lot Number: P44606-PrAANH2

Product Chemical Architecture:



Composition:

Mn x 10 ³	Mw/Mn (PDI)
5.0	1.28
Microstructure of Polymer by ¹ H NMR	

Method of Synthesis α-amino terminated poly propyl acrylic acid was synthesized by anionic living polymerization using NH₂ protected initiator. The details please see our published results. Varshney, S. K.; Song, Z.; Zhang, Jian-Xin.; Jerome, Robert. Rapid Communication; J. Polym. Sci. Part A, 2006, 44, 3400.

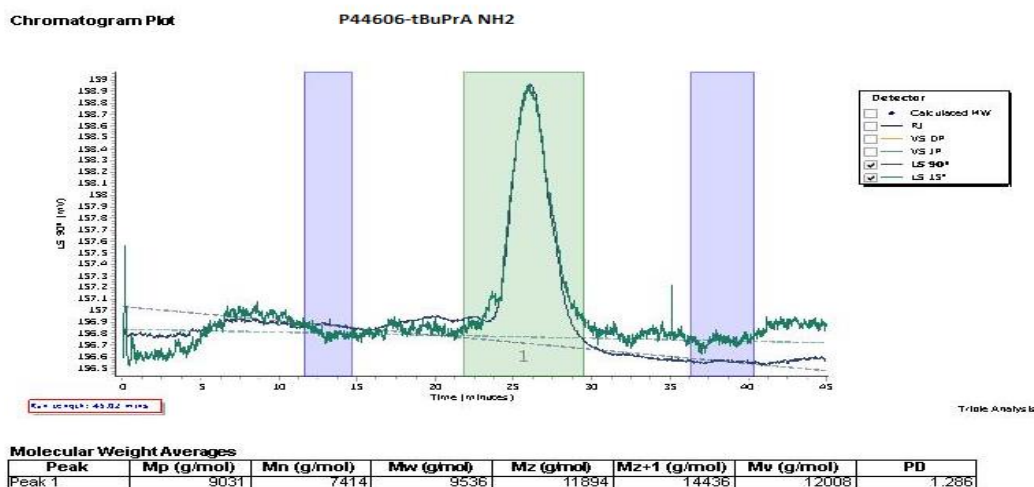
Solubility in different solvents

THF-Methanol	√		
DMF	√		

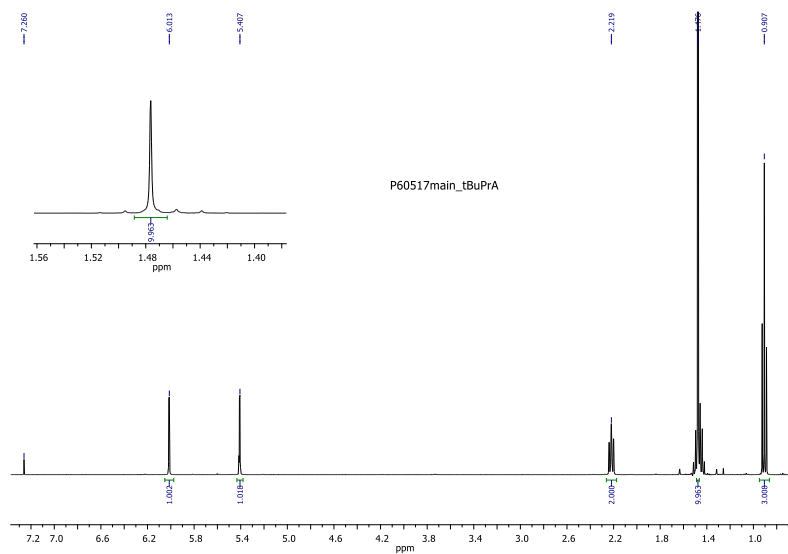
Purification of Polymer: to remove unreacted monomer by Soxhlet in Hexane

Validation of Architecture:

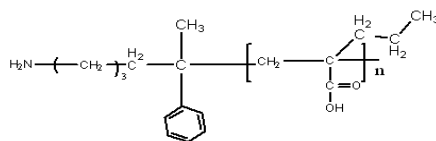
A. Gel Permeation Chromatography (GPC), SEC- Profile of poly tBuPrA



B. ^1H NMR Spectrum of P60517-tBuPrA:



C. NMR (HNMR) of polymer:



P44606 run in DMSO

