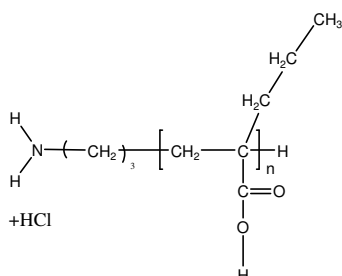


Sample Name:
Amino Terminated Poly(2-Propyl Acrylic Acid)

Sample #: **P11465-PrAANH2**

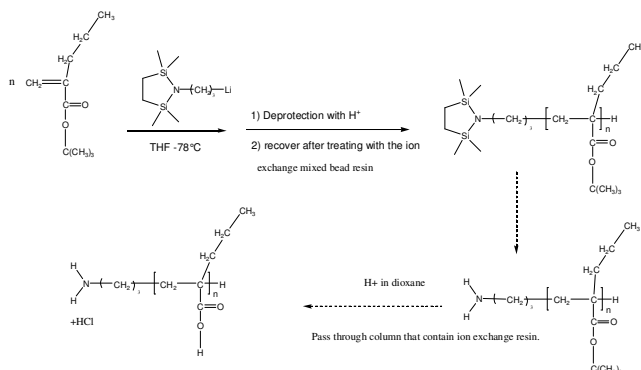


Composition:

$M_n \times 10^3$	PDI
1.5	1.2

Synthesis Procedure:

Amino-terminated Poly(propyl acrylic acid) was synthesized by anionic living polymerization using NH_2 protected initiator. For details, please, see our paper: Varshney, S. K.; Song, Z.; Zhang, Jian-Xin.; Jerome, Robert. Rapid Communication; J. Polym. Sci. Part A, 2006, 44, 3400.



Solubility:

Polymer is soluble in THF, methanol and ethanol .

Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector. However, amino terminated poly tert.butyl acrylate was found to interact with chromatography columns and therefore the amino group was protected by reaction with 1-naphthyl isocyanate before GPC analysis. Removal of the protecting group was confirmed by UV spectroscopy and the degree of functionality was confirmed by

titration with HClO_4 using crystal violet as the indicator.

^1H NMR spectrum:

