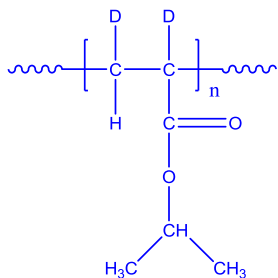


Sample Name:
Deuterated (d2) Poly(isopropyl acrylate)

Sample #: P6569-d2IPrA

Structure:



Composition:

Mn x 10 ³	PDI
88.9	2.75

Synthesis Procedure:

Poly(isopropyl acrylate) is obtained by polymerization of isopropyl acrylate (cis-d2).

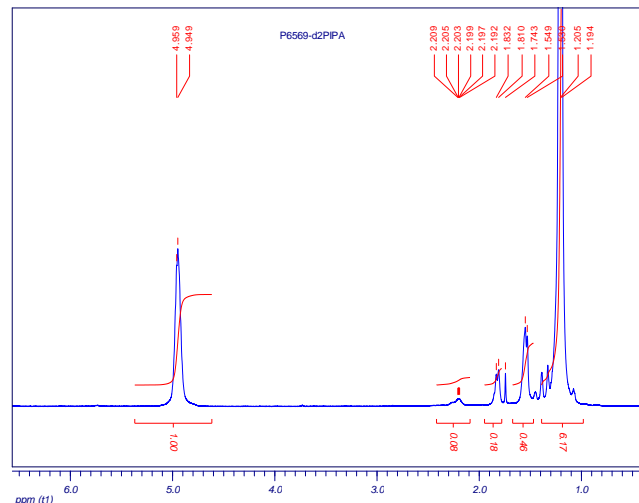
Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

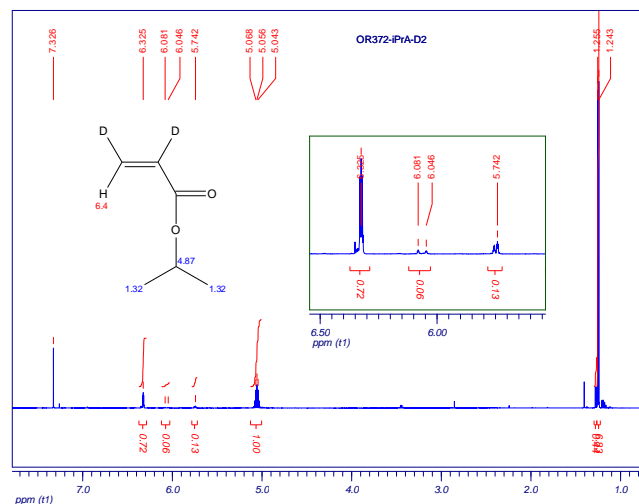
Solubility:

Polymer is soluble in THF, Benzene, Toluene and CHCl₃. This polymer precipitates from methanol or hexanes.

¹H-NMR Spectrum of the polymer:

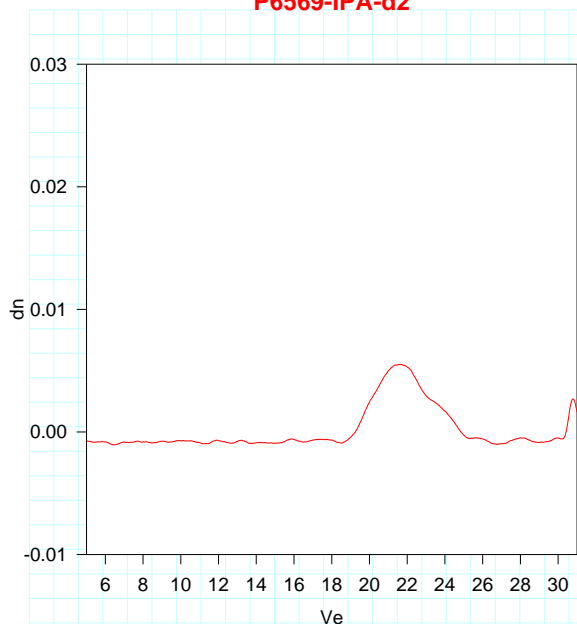


¹H-NMR Spectrum of the monomer:



SEC of Sample:

P6569-IPA-d2



Size Exclusion Chromatography of Poly(isopropyl acrylate-d2)

M_n=88,900, M_w=244,300, M_w/M_n=2.75