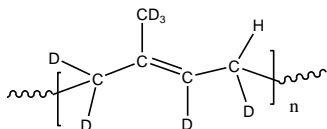


Sample Name: Deuterated Poly(1,4-isoprene-d7)

Sample #: P43125-d7Ip

Structure:



Composition:

| Mn x 10 ³ | PDI |
|----------------------|------|
| 14.0 | 1.02 |

Synthesis Procedure:

Polyisoprene is obtained by anionic polymerization of deuterated (d7) isoprene.

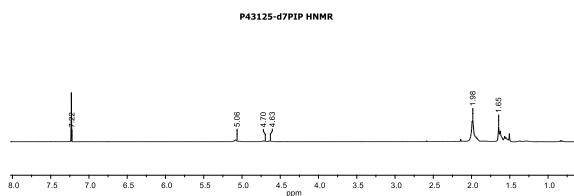
Characterization:

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.

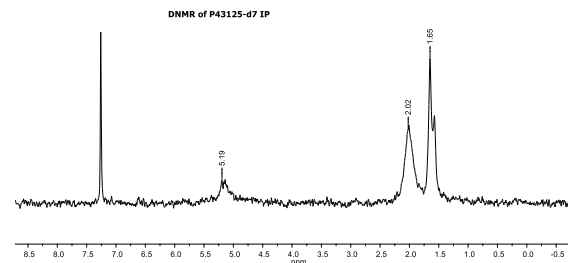
Solubility:

Polymer is soluble in THF, toluene, hexane, and chloroform. This polymer precipitates from methanol.

¹H NMR spectrum of the Sample:



²H NMR spectrum of the Sample:



SEC elugram of the Sample:

