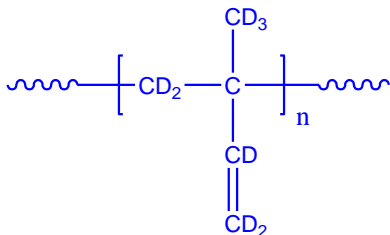


Sample Name:
Deuterated Polyisoprene-d8 (1,2-addition)

Sample #: P6315-dPIp

Structure:

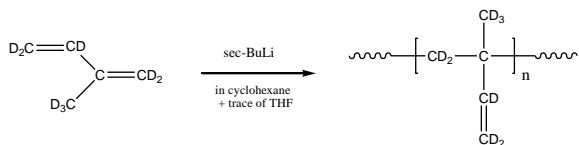


Composition:

$M_n \times 10^3$	PDI
28.3	1.19

Synthesis Procedure:

Polyisoprene is obtained by anionic polymerization of deuterated (d8) isoprene, which contains 1% of THF.



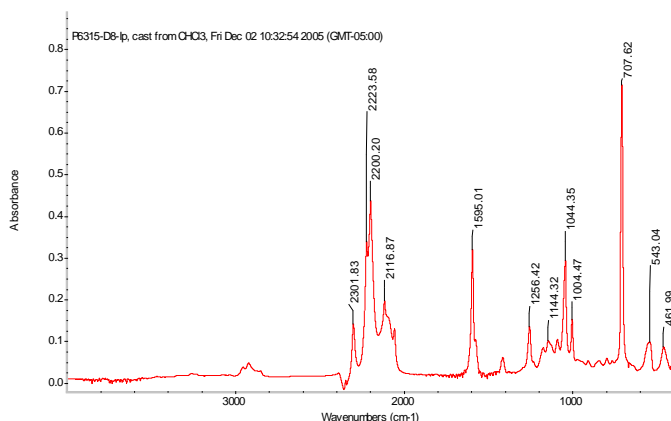
Characterization:

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.

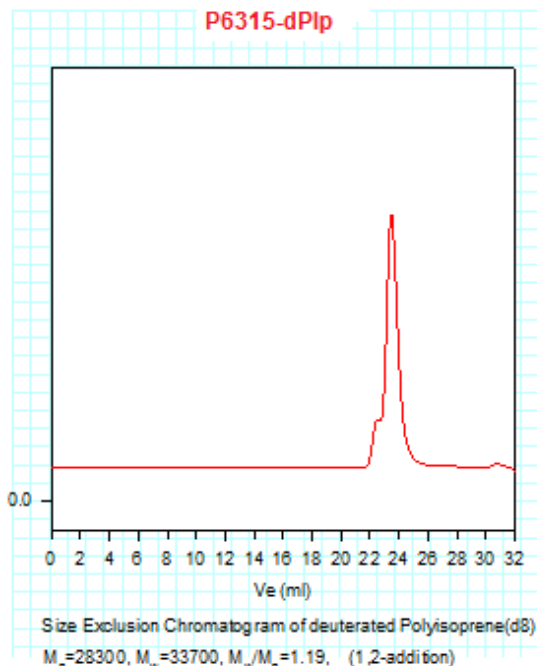
Solubility:

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

FTIR of Sample:



SEC of Sample:



Deuterium NMR of Monomer:

