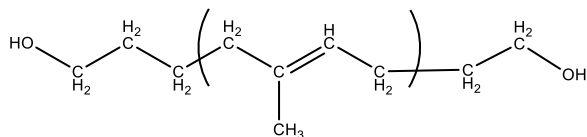


Sample Name:
Poly(1,4-Isoprene), α,ω -bis(hydroxy)-terminated

Sample #: P44167-IP2OH

Structure:

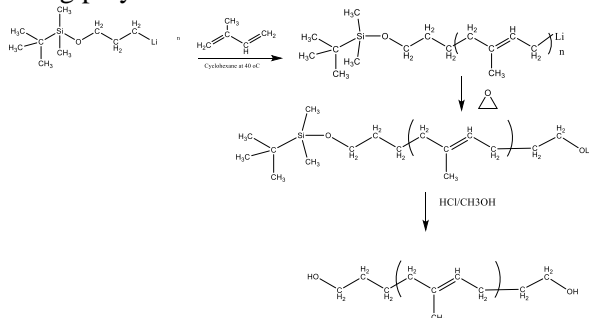


Composition:

Mn x 10 ³	PDI
6.5	1.03
1,4 Contents 90%	

Synthesis Procedure:

1,4-rich microstructure addition dihydroxy terminated polyisoprene was prepared by anionic living polymerization.



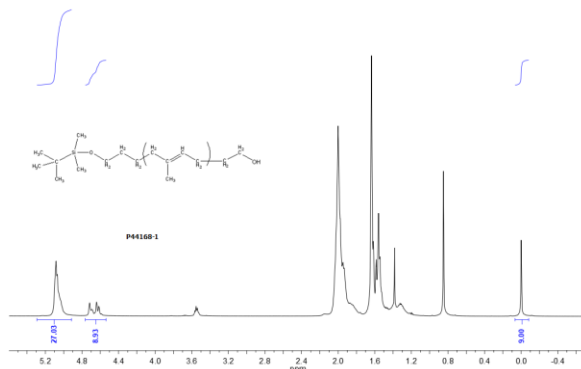
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR data analysis.

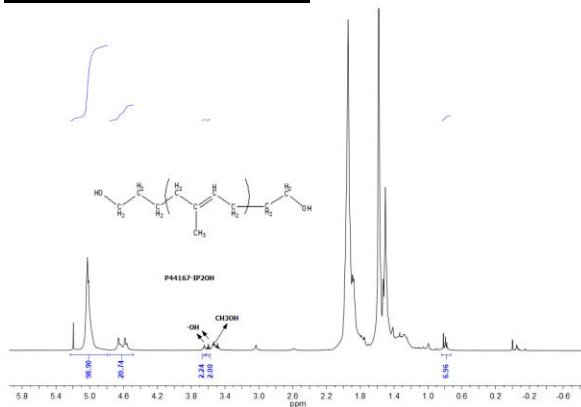
Solubility:

Hydroxy terminated polyisoprene is soluble in THF, toluene, hexane, cyclohexane and CHCl₃.

¹H-NMR spectrum of the Product: Tert Butyldimethylsiloxo OH terminated:



Cleavage of tert-Butyl Dimethylsiloxo end group using HCL/THF :



SEC profile of the Sample:

