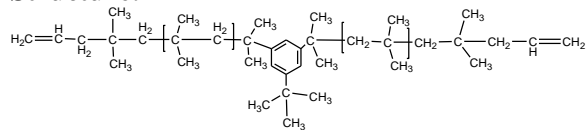


Sample Name:

α,ω -Di Allyl end terminated Polyisobutylene

Sample #: **P41121-IB2Allyl**

Structure:

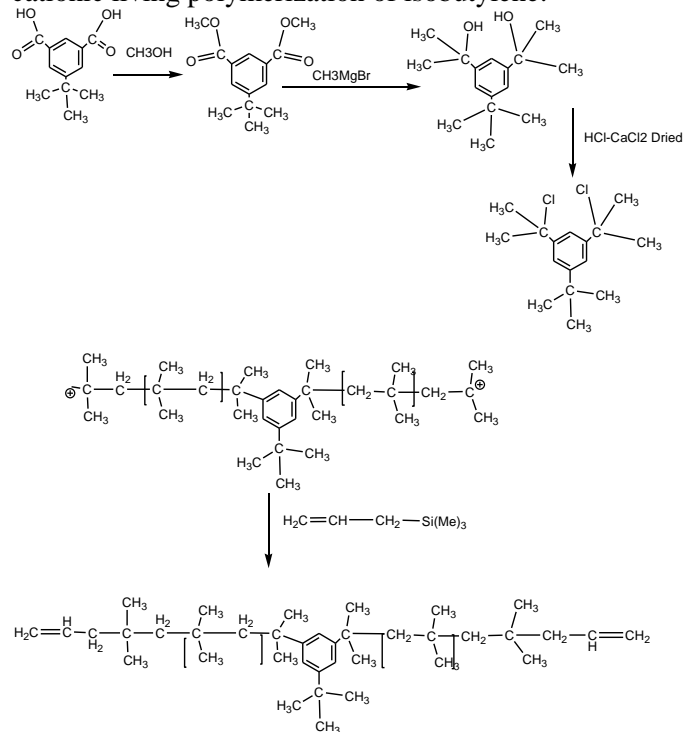


Composition:

Mn x 10 ³	PDI
4.5	1.4
Allyl terminal functionality	>95%

Synthesis Procedure:

Allyl terminated polyisobutylene was prepared by cationic living polymerization of isobutylene:



Characterization:

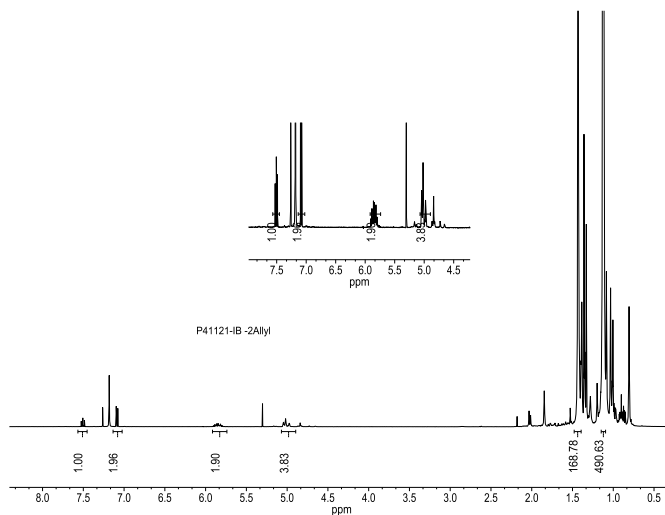
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Functionality: The polymer's functionality was determined by ¹H-NMR spectroscopy.

Solubility:

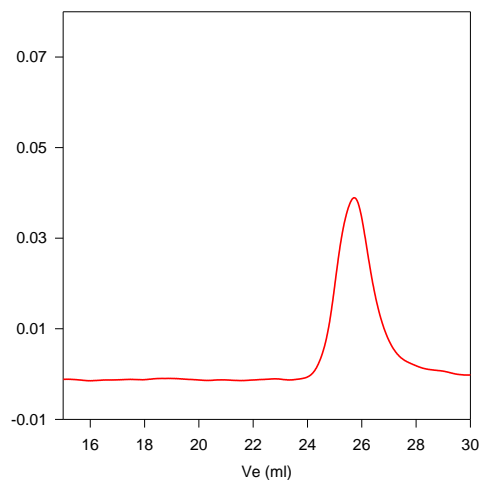
The polymer is soluble in THF, CHCl₃, toluene, hexane.

NMR spectrum of the sample:



SEC profile of the Sample:

P41121-IB2Vinyl



Size exclusion chromatography of divinyl terminated polyisobutylene:

M_n=4,500, M_w=6,300, M_w/M_n=1.4