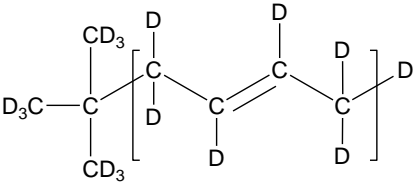


Sample Name: Deuterated Poly(1,4-butadiene-d6),  
end-groups are Completely deuterated

Sample #: P41833-dBd

Structure:



Composition:

Mn x 10 <sup>3</sup>	PDI
29.0	1.02

Synthesis Procedure:

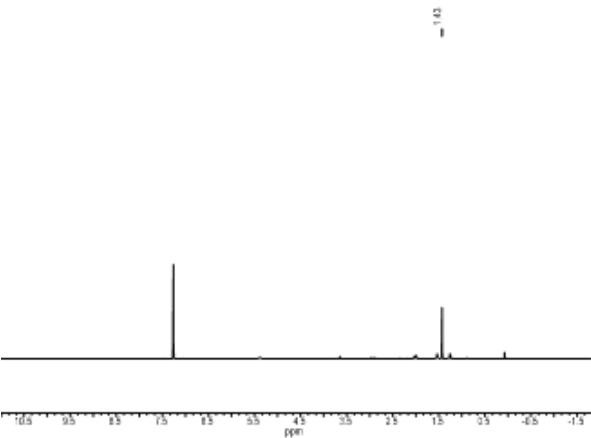
Polymer was synthesized by living anionic polymerization of d6 butadiene monomer using d9 tert.butyl- lithium initiator.

Characterization:

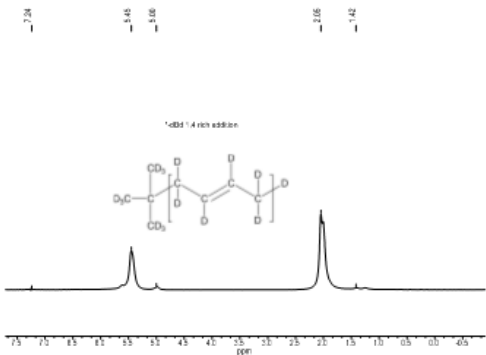
The product was characterized by size exclusion chromatography (SEC), <sup>1</sup>HNMR and DNMR.

HNMR spectrum of the polymer:

Protonic analog impurity < 1%



D NMR spectrum of the polymer:



SEC elugram of the polymer:

Agilent GPC/SEC Software

