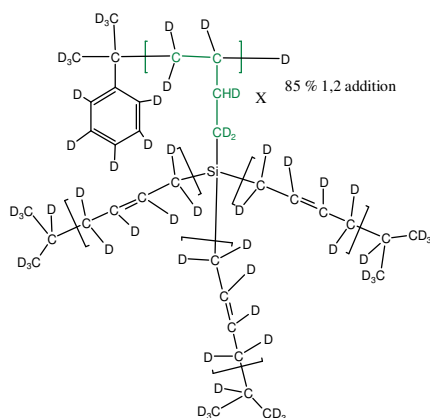


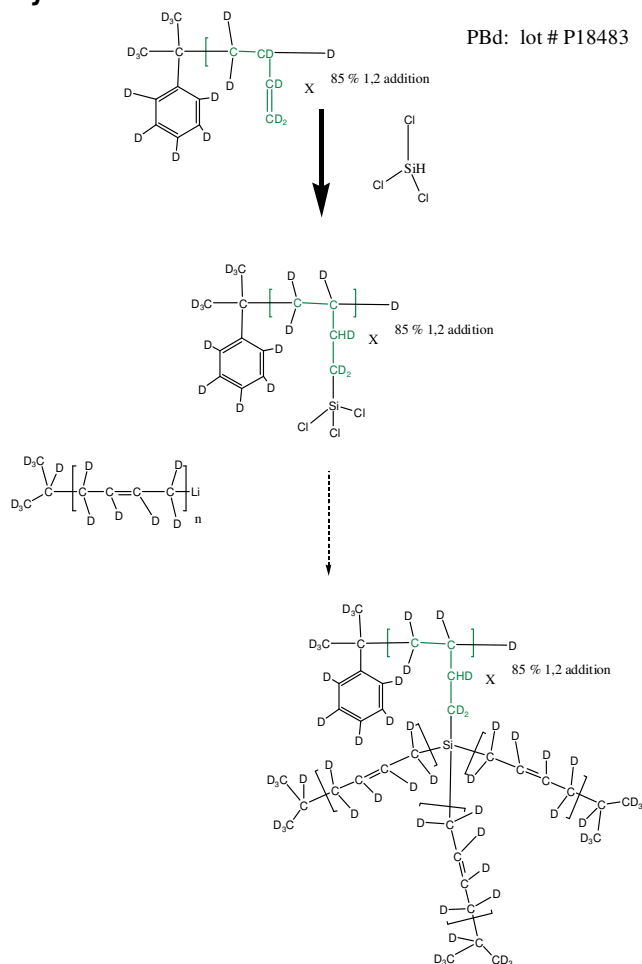
**Sample Name: Completely Deuterated
18-Arm 1,4-Polybutadiene**

Sample # P18568C-18dPBd



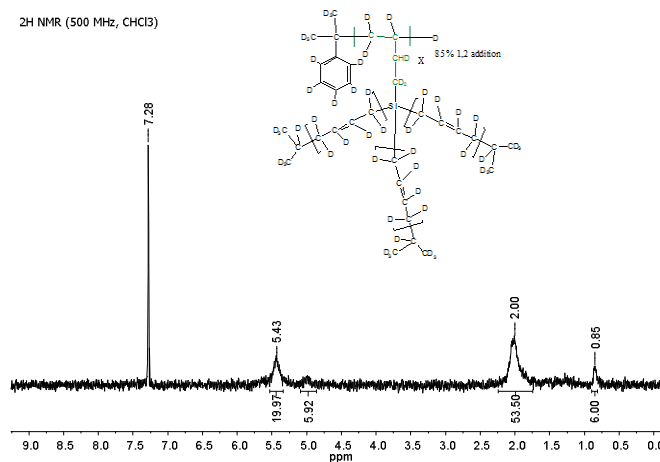
Total M_n (g/mol):	24,500
M_w/M_n :	1.15
M_n of polybutadiene arm (g/mol):	1,300

Synthesis:



Deuterium NMR:

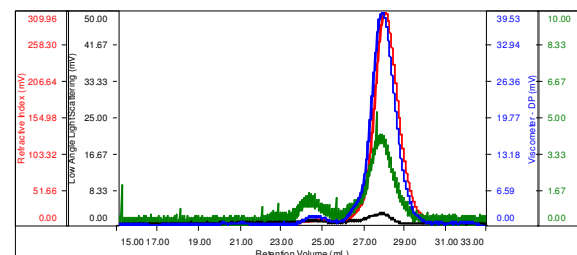
²H NMR (500 MHz, CHCl₃)



SEC:

Sample ID: P18568-DBd Branch

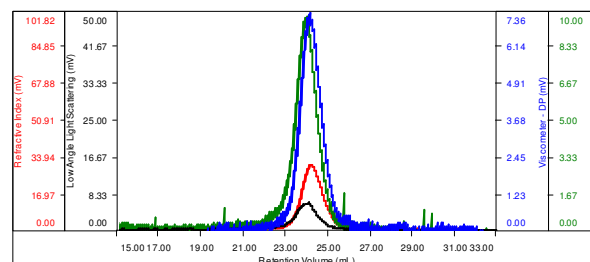
Concentration (mg/mL)	8.4998
Sample dn/dc (mL/g)	0.1270
Method File	PS80K-Feb25-2014-0000.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	M_n	M_w	M_p	M_w/M_n	IV
P18568-DBd_branch_01.vdt	1,290	1,483	1,203	1.150	0.1326

Sample ID: P18568c-dBd star

Concentration (mg/mL)	0.6353
Sample dn/dc (mL/g)	0.1380
Method File	PS80K-Feb25-2014-0000.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	M_n	M_w	M_p	M_w/M_n	IV
P18568C-dBD_Star_01(218).vdt	24,412	28,122	26,662	1.152	0.2634