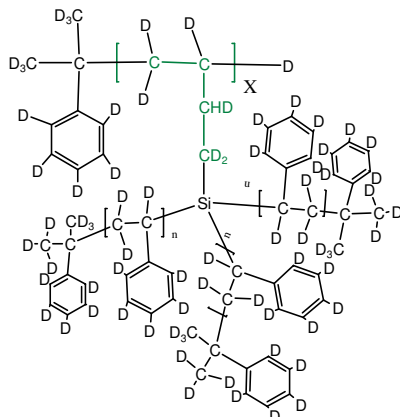


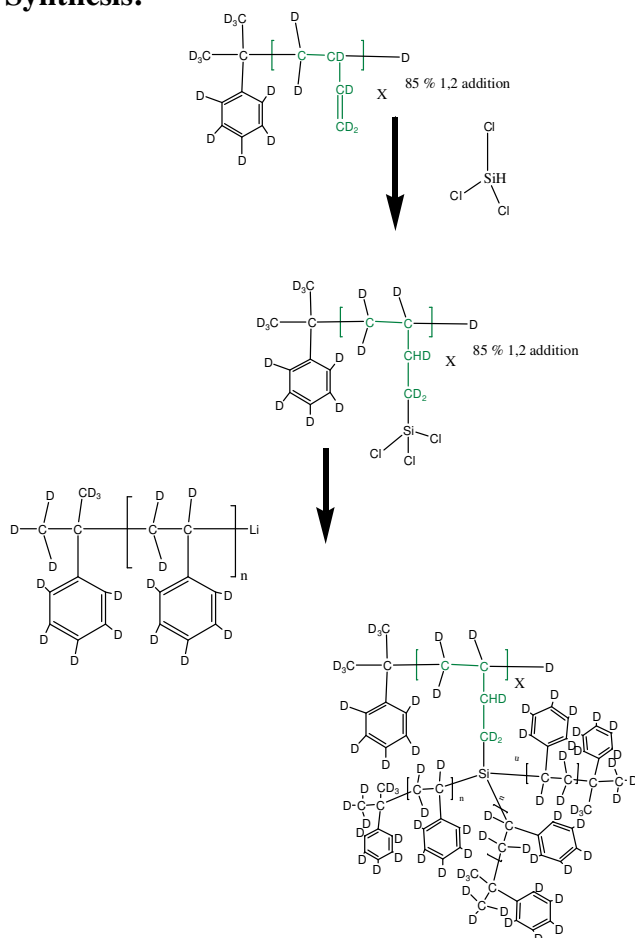
**Sample Name:**  
**Deuterated Multiarm Polystyrene**

**Sample # P18514-18dPS**  
**18-arm Deuterated Polystyrene**

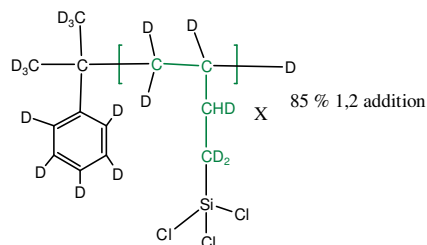


$M_n \times 10^3$ of one arm (g/mol)	Total $M_n \times 10^3$ (g/mol)	PDI
2.5	46.5	2.0

**Synthesis:**



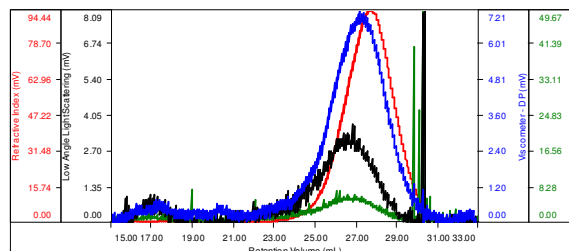
Main chain linker: Lot # P18483A.



SEC elugram of the PS arm:

Sample ID: P18514-dPs branch

Concentration (mg/mL)	3.7413
Sample dn/dc (mL/g)	0.1700
Method File	PS80K-March13-2014-0000.vcm
Column Set	3x PL 1113-6300
System	System 1

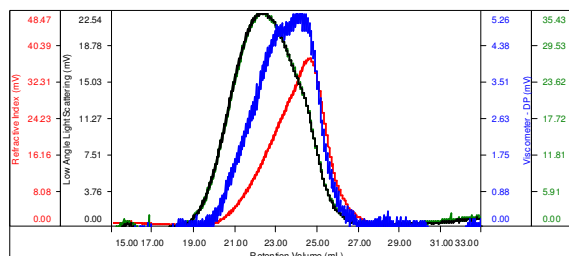


Sample	Mn	Mw	Mp	Mw/Mn	IV
p18514-DpS_BRANCH_01(172).vdt	2,617	4,527	3,051	1.729	0.1203

SEC elugram of the multiarm PS:

Sample ID: P18514-Dps Star

Concentration (mg/mL)	3.8042
Sample dn/dc (mL/g)	0.1700
Method File	PS80K-March7-2014-0000.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18514_01(194).vdt	46,220	92,412	37,415	1.999	0.1004