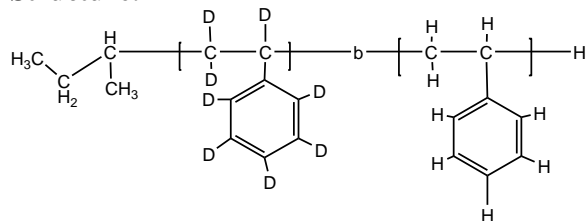


Sample Name: **Deuterated Polystyrene (d₈)-b-Polystyrene (protonated)**

Sample #: **P4158B-dPSS**

Structure:



Composition:

| Mn x 10 ³ dPS-b-S | PDI |
|---------------------------------|-----|
| 30.0-b-16.0 | 1.5 |

Synthesis Procedure:

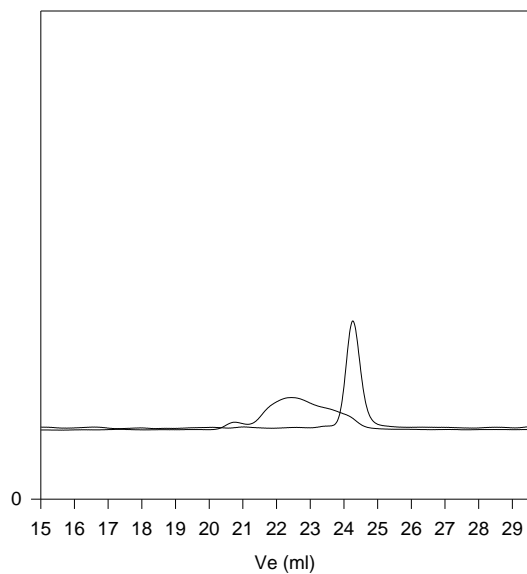
The polymer was synthesized by anionic polymerization Process by successive addition of monomer. Styrene first followed by d8 (S) monomer

Characterization:

The product was characterized by size exclusion chromatography (SEC).

SEC profile of the polymer:

P4158B-dPSS



Size exclusion chromatography of polystyrene-b-deuterated (d₈)Styrene

—— polystyrene, M_n=16000, M_w=17000, PI=1.06

—— Block Copolymer PS(16000)-b-dPS(30000), PI=1.5