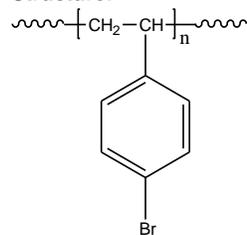


Sample Name: Poly(4-bromo styrene)

SEC of Homopolymer: P8782-4BrS

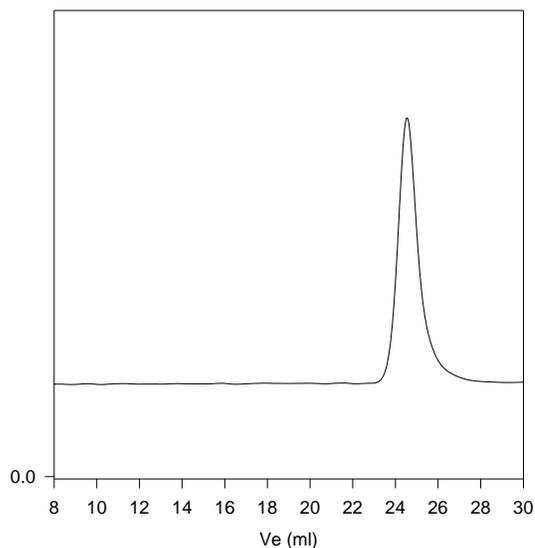
Sample #: P8782-4BrS

Structure:



Composition:

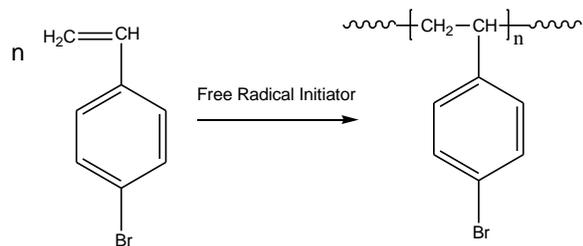
$M_n \times 10^3$	PDI
13.0	1.2



Size Exclusion Chromatogram of poly 4-bromo styrene:
— $M_n=13,000$, $M_w=15,500$, $M_w/M_n=1.2$

Synthesis Procedure:

Poly(4-bromo styrene) is synthesized by free radical polymerization of 4-bromo styrene and the reaction scheme is shown below.



Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

Solubility:

Poly(4-bromo styrene) is soluble in DMF, THF, toluene and CHCl_3 . It precipitates from methanol, ethanol, water and hexanes.