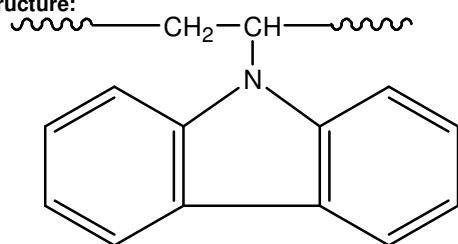


Sample Name: Poly(N-vinyl carbazole)

Sample #: P2330-VK

Structure:

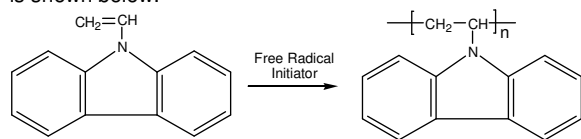


Composition:

$M_n \times 10^3$	PDI
101.8	1.79

Synthesis Procedure:

Poly(N-vinyl carbazole) is obtained by free radical polymerization of N-vinyl carbazole and the reaction scheme is shown below.



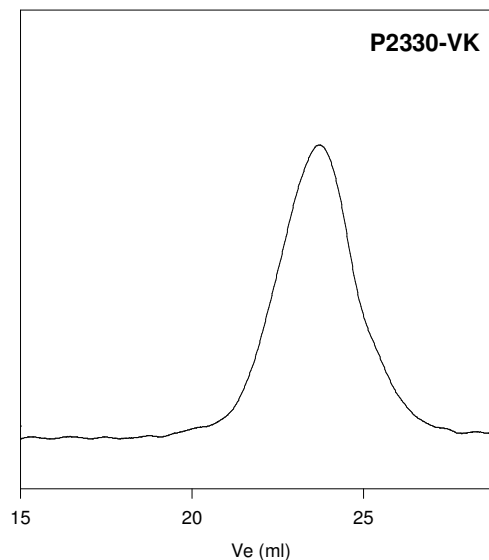
Characterization:

The molecular weight and polydispersity index (PDI) of Poly(N-vinyl carbazole) are obtained by size exclusion chromatography.

Solubility:

Poly(N-vinyl carbazole) is soluble in DMF, THF, toluene and CHCl_3 . It precipitates from methanol, ethanol, water and hexanes.

SEC of Homopolymer:



Size exclusion chromatography of poly(N-vinyl carbazole) with respect to polystyrene standards:

$M_n=101800, M_w=182000, \text{PI}=1.79$