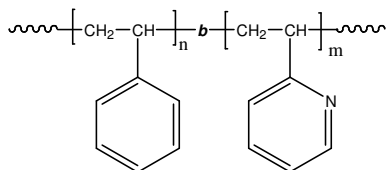


Polystyrene-*block*-poly (2-vinyl pyridine)

Structure:



| | |
|---------------------------|------|
| $M_n \times 10^3$ (g/mol) | PDI |
| 150.0-b-1.0 | 1.05 |

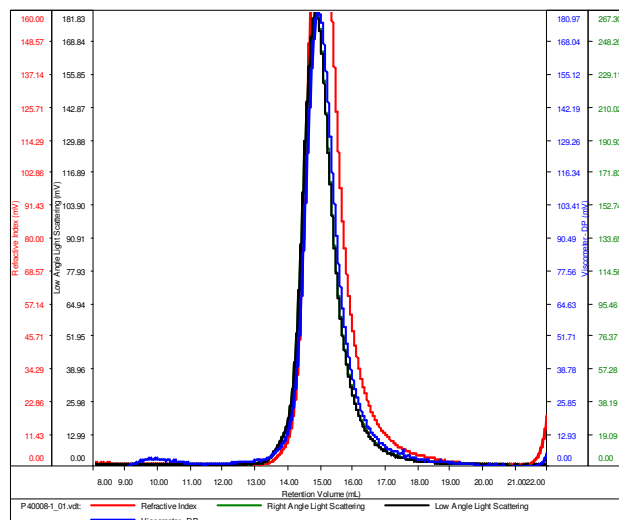
Polystyrene-*b*-poly (2-vinyl pyridine) was prepared by living anionic polymerization in THF at -78°C in the presence of LiCl as an additive.

Characterization: The polymer was characterized by ^1H NMR and SEC.

¹H NMR spectrum of P40008-S2VP in CDCl₃. The x-axis represents chemical shift in ppm, ranging from 8.9 to 5.8. The spectrum shows a small peak at 8.93 ppm (labeled -8.93), a large solvent peak at 7.26 ppm, and a complex multiplet between 6.2 and 6.8 ppm. Integration values are shown below the baseline: 1.00 for the peak at 8.93 ppm and 566.17 for the multiplet region.

P40008

| | |
|--------------|----------------------------|
| Conc (mg/mL) | 5.9843 |
| dn/dc (mL/g) | 0.1650 |
| Method | PS80k-May-25-2016-0000.vcm |
| Solvent | DMF w 0.023M LiBr |
| Column | PSS |



| Sample | Mn | Mw | Mp | Mw/Mn | IV |
|-----------------|---------|---------|---------|-------|--------|
| P40008-1_01.vdt | 151,557 | 159,440 | 157,873 | 1.052 | 0.4030 |

1. S. K. Varshney, X. F. Zhong and A. Eisenberg
Macromolecules **1993**, 26, 701–706.
2. Z. Gao, S. K. Varshney, S. Wong, A. Eisenberg
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