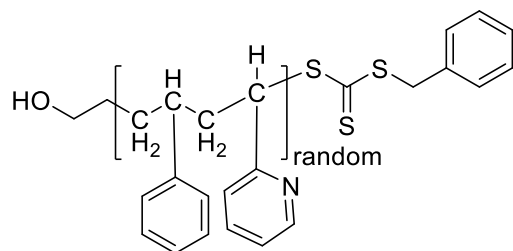


Sample Name: Poly (styrene-co-2-vinyl pyridine), α -hydroxy-terminated

Sample #: P16427A-S2VPranOH

Structure:

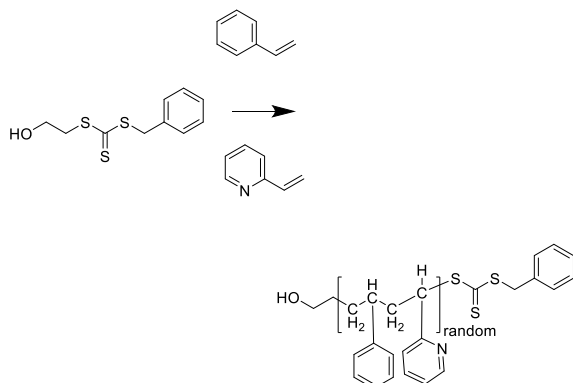


Composition:

Mn x 10 ³ PS-co-P2VP	3.0
PDI	1.25
Styrene: 2VP molar ratio	70:30

Synthesis Procedure:

The polymer is prepared by RAFT polymerization process using RAFT reagent bearing free OH end group. The following reaction scheme shows how the product was prepared:



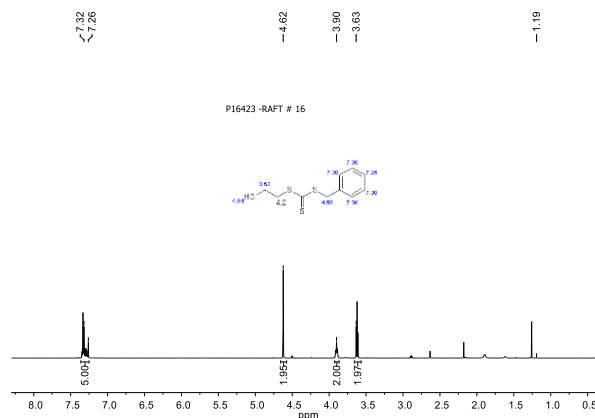
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

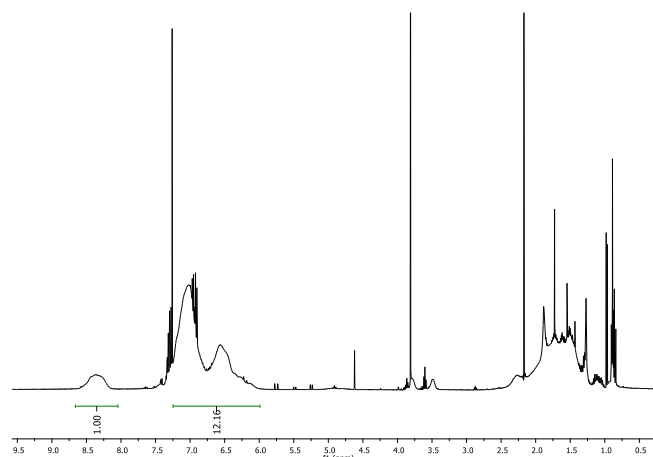
Solubility:

The polymer is soluble in CHCl₃, THF, DMF, toluene and it precipitated out from hexane.

NMR spectrum of the RAFT CTA:



¹H-NMR Spectrum of the random copolymer:



SEC elugram of the random copolymer:

