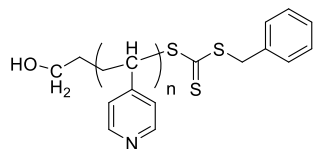


Sample Name:
Hydroxy Terminated Poly(4-Vinyl Pyridine)
Bearing RAFT moiety

Sample #: **P44124-4VPOH**

Structure:



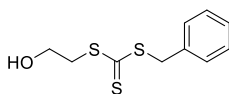
Composition:

$M_n \times 10^3$	PDI
9.0	1.27
Functionality: 95%	
T_g for the functional polymer	

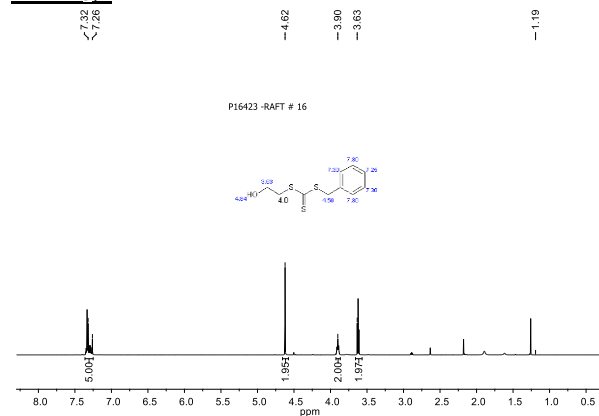
Synthesis Procedure:

Hydroxy terminated poly(4-vinyl pyridine) was prepared by RAFT process using Following Reagent;

Benzyl-2-hydroxyethyltrithiocarbonat
Structure:



$^1\text{H-NMR}$ spectrum of RAFT (400 MHz, CDCl_3):



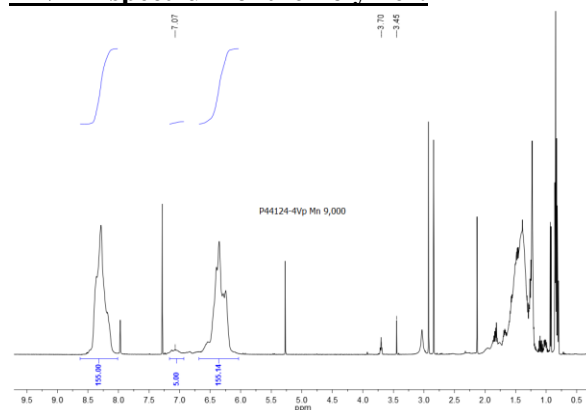
Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Malvern liquid chromatograph equipped with a triple detectors.

Solubility:

Polymer is soluble in CHCl_3 and THF, methanol.

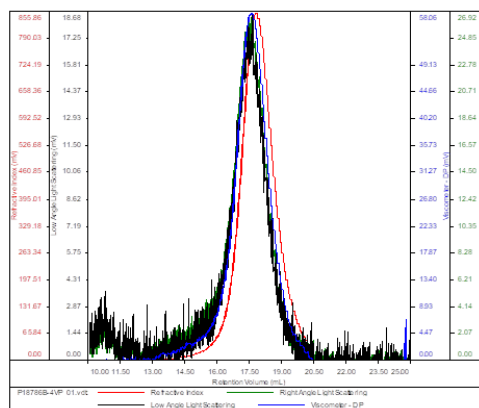
$^1\text{H-NMR}$ spectrum of the Polymer:



SEC profile of the Sample:

P44124-4VP-RAFT

Conc. (mg/mL)	15.4785
dn/dc (mL/g)	0.1530
Method	ps80KJune2014-0000.vcm
Solvent	DMF w/ 0.03M LiBr
Column	PSS



Sample	M_n	M_w	M_p	M_w/M_n	IV
1	9,284	11,843	10,182	1.276	0.0791