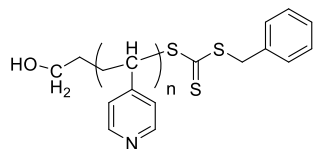


Sample Name:
Hydroxy Terminated Poly(4-Vinyl Pyridine)
Bearing RAFT moiety

Sample #: **P44126-4VPOH**

Structure:



Composition:

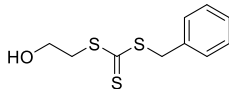
$M_n \times 10^3$	PDI
16.5	1.12
Functionality: 95%	
T_g for the functional polymer	

Synthesis Procedure:

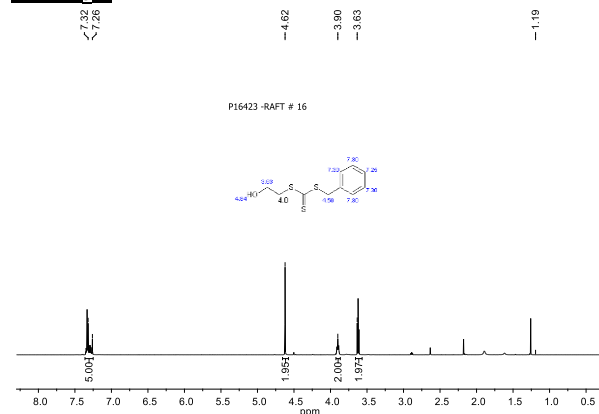
Hydroxy terminated poly(4-vinyl pyridine) was prepared by RAFT process using Following Reagent;

Benzyl-2-hydroxyethyltrithiocarbonat

Structure:



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



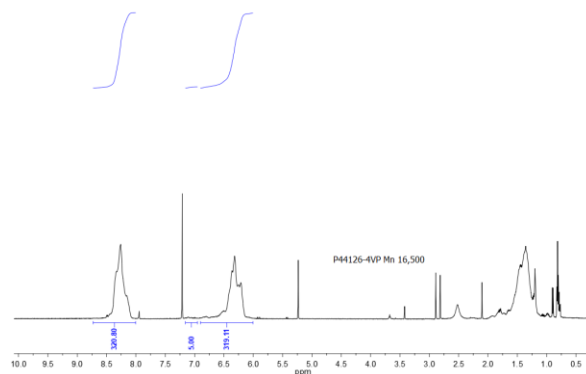
Characterization:

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:

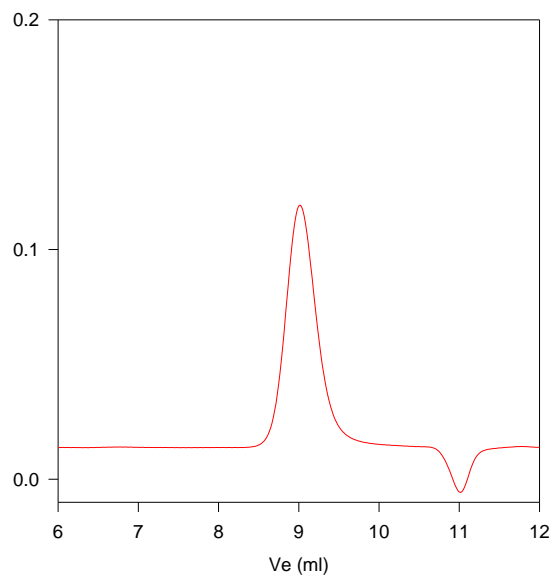
Polymer is soluble in CHCl_3 and THF, methanol.

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



SEC profile of the Sample:

P44126-4VP



Size Exclusion Chromatography of Poly(4-vinylpyridine)-RAFT

$M_n=16.500$, $M_w=18.500$, $M_z=22100$, $PI=1.12$