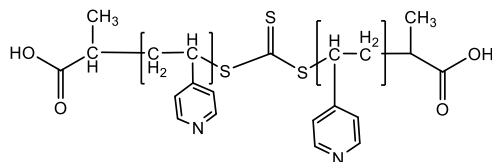


**Sample Name:** Poly (4-vinyl pyridine), with trithiocarbonate (RAFT moiety) in center

**Sample #:** P41883A-4VP-RAFT

**Structure:**



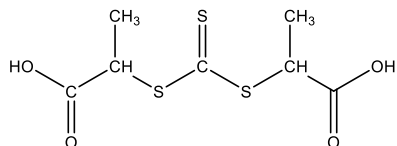
**Composition:**

Mn x 10 <sup>3</sup>	PDI
2.5	1.28

**Synthesis Procedure:**

The polymer was synthesized by RAFT polymerization process using following bifunctional initiator.

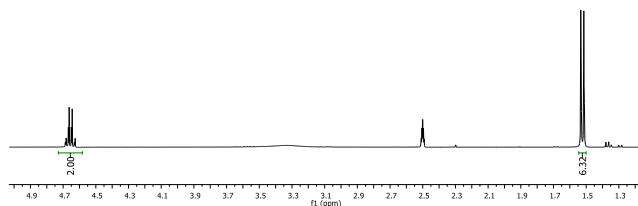
**Structure:**



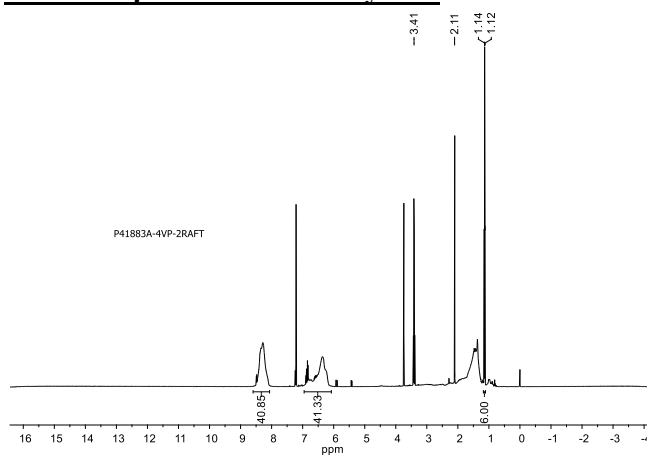
**Characterization:**

The chemical structure of the product was confirmed by FT-IR and <sup>1</sup>H NMR and GPC in DMF.

**<sup>1</sup>H NMR (400 MHz, DMSO-d<sub>6</sub>) of RAFT**



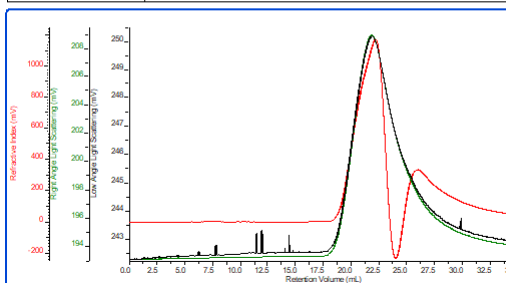
**<sup>1</sup>H NMR spectrum of the Polymer:**



**SEC chromatogram of the Sample:**

**P41883A-4VP-RAFT**

dn/dc	0.1530
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA60K-Jan3-2019-0004.vcm



Mn calculated from its HNMR analysis.