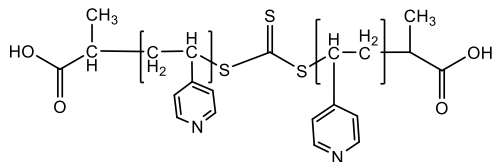


Sample Name: Poly (4-vinyl pyridine), with trithiocarbonate (RAFT moiety) in center

Sample #: P41883-4VP-RAFT

Structure:



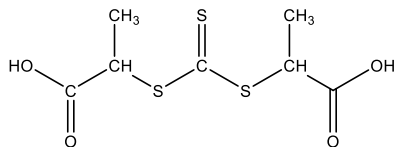
Composition:

Mn x 10 ³	PDI
9.5	1.20

Synthesis Procedure:

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

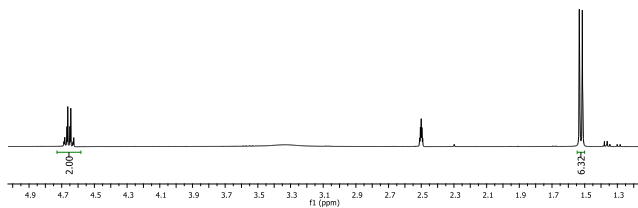
Structure:



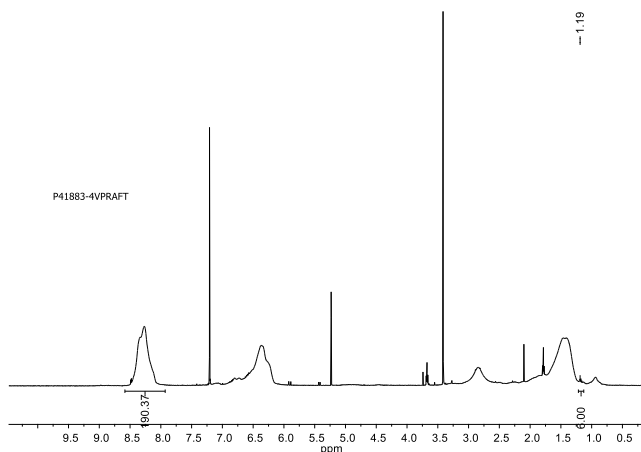
Characterization:

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

¹H NMR (400 MHz, DMSO-d₆) of RAFT:



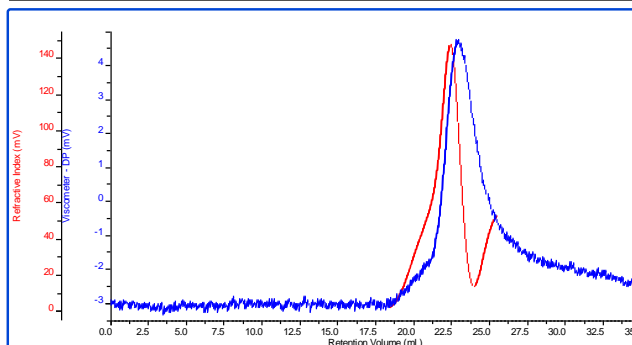
¹H NMR spectrum of the Polymer:



SEC chromatogram of the Sample:

P41883-4VPRAFT

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



Sample	Mn	Mw	Mp	Mw/Mn
P41883-4Vp-2RAFT_1	9,493	11,440	7,376	1.205