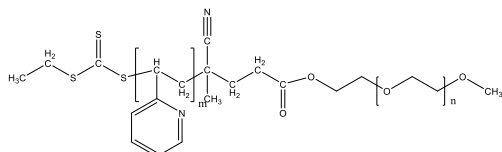


Sample Name:
Poly(2-vinyl pyridine -b- ethylene oxide)

Sample#: P42837A-2VPEO

Structure:

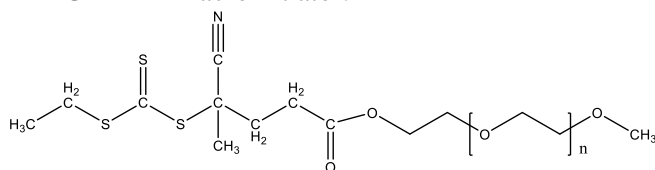


Composition:

Mn x 10 ³ P2VP-b-PEO	Mw/Mn
38.0-b-2.0	1.23

Synthesis procedure:

The polymer was synthesized by RAFT process using mPEG-RAFT macroinitiator.



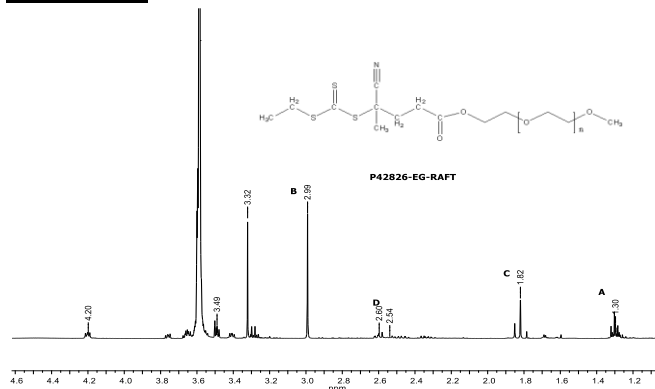
Characterization:

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

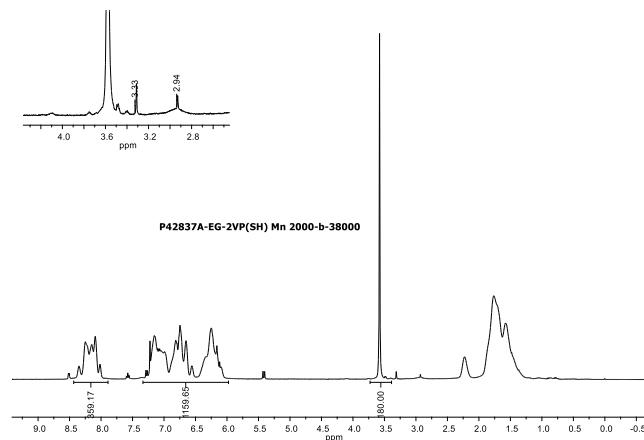
Solubility:

Poly(2-vinyl pyridine -b- ethylene oxide) is soluble in THF, chloroform, ethanol, DMF. It precipitates from hexanes.

¹H-NMR (400 MHz, CDCl₃) spectrum of the EO-RAFT:



¹H-NMR spectrum of 2VP-EO diblock copolymer:



SEC elugram of the block copolymer:

