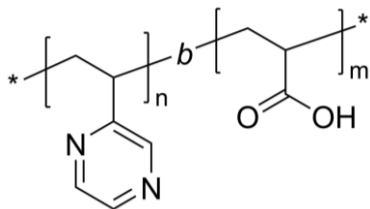


Sample Name:

Poly(2-vinyl pyrazine)-b-poly(acrylic acid)

Sample # **P43375-2VPyrAA**

Structure:



Composition:

Mn x 10 ³ P2VPyr-b-AA	Mw/Mn
3.5-b-51.0	1.08

Synthesis procedure:

Poly(2-vinyl pyrazine -b- tBuA) is prepared by living anionic polymerization followed by hydrolysis of t.butyl ester to AA.

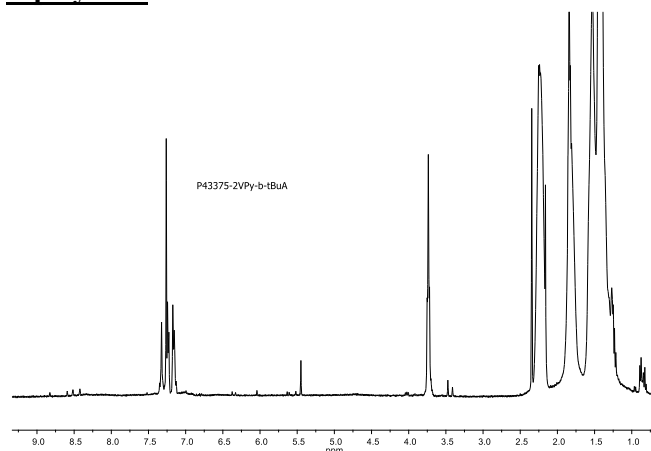
Characterization:

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

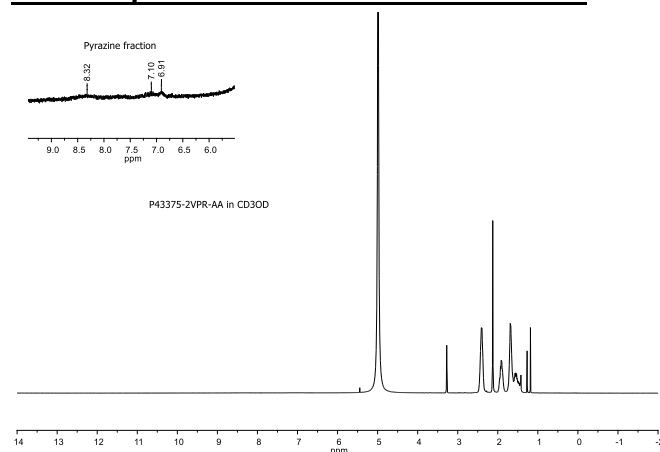
Solubility:

Poly(2-vinyl pyrazine -b- AA) is soluble in THF, ethanol, and DMF. It precipitates from hexanes.

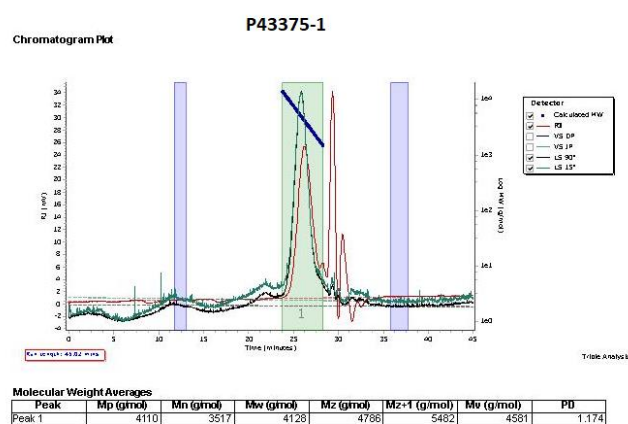
¹H-NMR spectrum of 2VPyr-tBuA diblock copolymer:



H NMR spectrum of 2VPYr-b-AA in Cd3OD:



SEC elugram of the First block:



SEC elugram of the diblock polymer:

