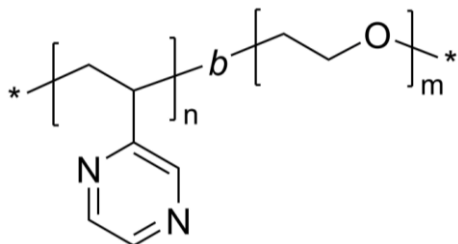


Sample Name:

Poly(2-vinyl pyrazine)-b-poly(ethylene oxide)

Sample # **P43365-2VPyrEO**

Structure:



Composition:

$M_n \times 10^3$ P2VPyr-b-PEO	Mw/Mn
6.5-b-0.3	3.7

Synthesis procedure:

Poly(2-vinyl pyrazine -b- ethylene oxide) is prepared by living anionic polymerization of ethylene oxide using potassium cumyl ether.

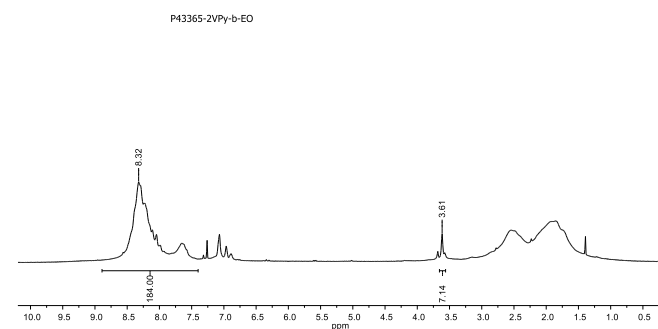
Characterization:

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

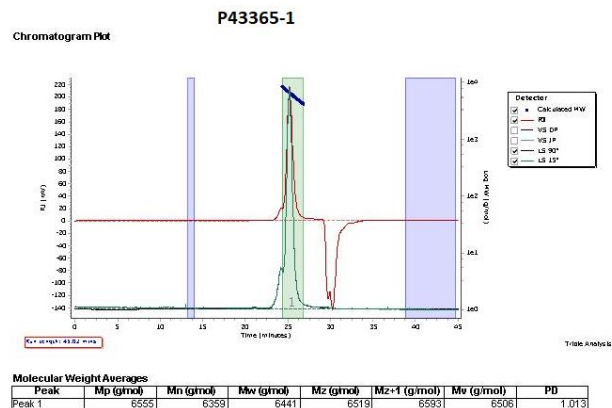
Solubility:

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

^1H -NMR spectrum of 2VPyr-EO diblock copolymer:



SEC elugram of the First block:



SEC elugram of the diblock polymer:

