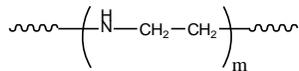


Sample Name: Poly(ethylene imine)

Sample #: P4175-EI

Structure:

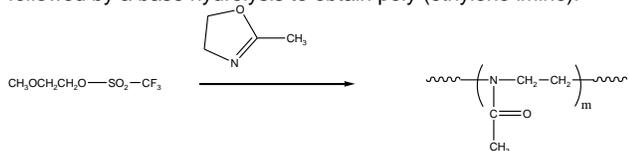


Composition:

Mn x 10 <sup>3</sup>	PDI
13.0	1.30

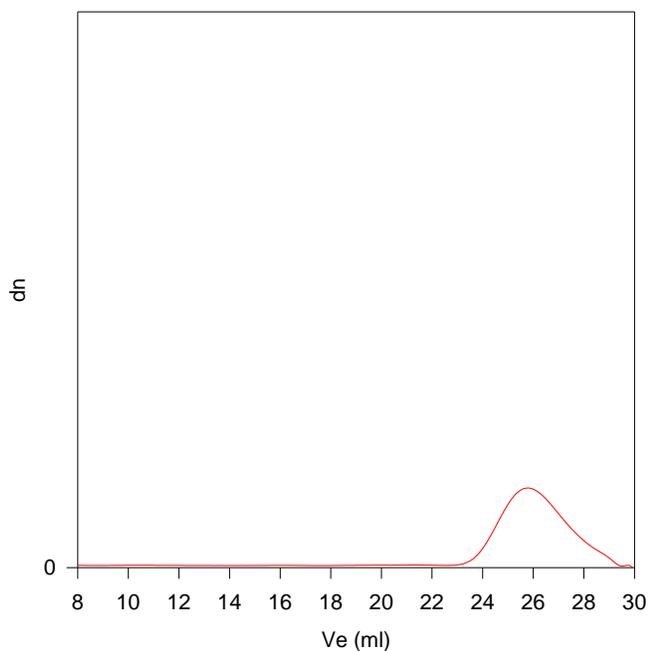
Synthesis Procedure:

Poly(2-methyl oxazoline) is prepared by cationic process. This was followed by a base hydrolysis to obtain poly(ethylene imine).



SEC profile in DMF:

P4175-MeOXZ



Size Exclusion Chromatography of Poly(2-methyl 2-Oxazoline)  
 $M_n=26000$ ,  $M_w=33,800$  PI=1.3

After hydrolysis of Methyl oxazoline Mn 13,000 PI: 1.3

<sup>1</sup>H-NMR Spectrum of the block copolymer:

