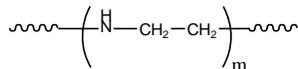


Sample Name: Poly(ethylene imine)

Sample #: P4222-EI

Structure:

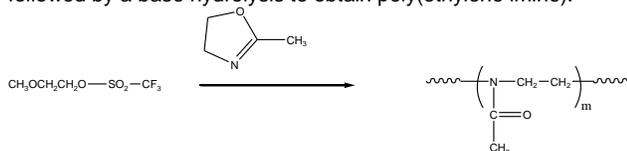


Composition:

Mn x 10 ³	PDI
10.8	1.27

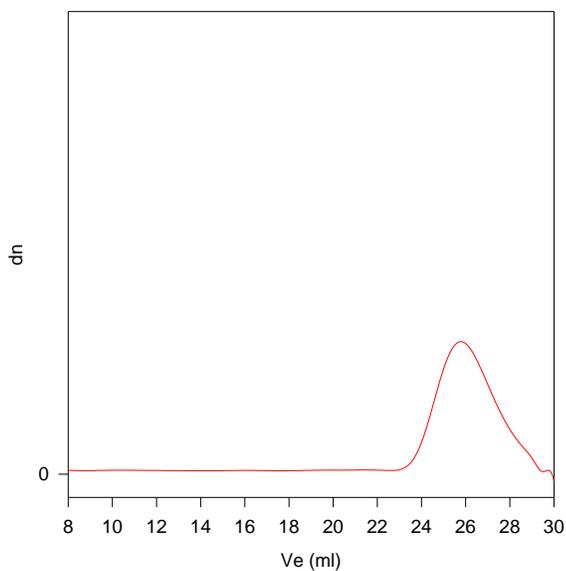
Synthesis Procedure:

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 :

P4217-MeOXZ



Size Exclusion Chromatography of Poly(2-methyl 2-Oxazoline)
 $M_n=22000$, $M_w=28000$ PI=1.27

After hydrolysis of Methyl oxazoline Mn 10,800 PI: 1.27

¹H-NMR Spectrum of the block copolymer:

