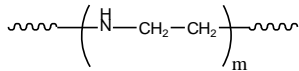


Sample Name: Poly(ethylene imine)

Sample #: P4175-EI

Structure:

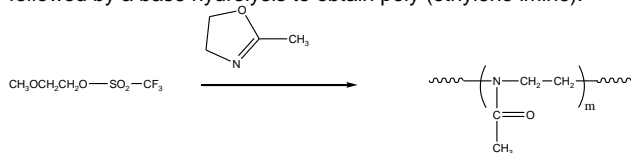


Composition:

Mn x 10 ³	PDI
13.0	1.30

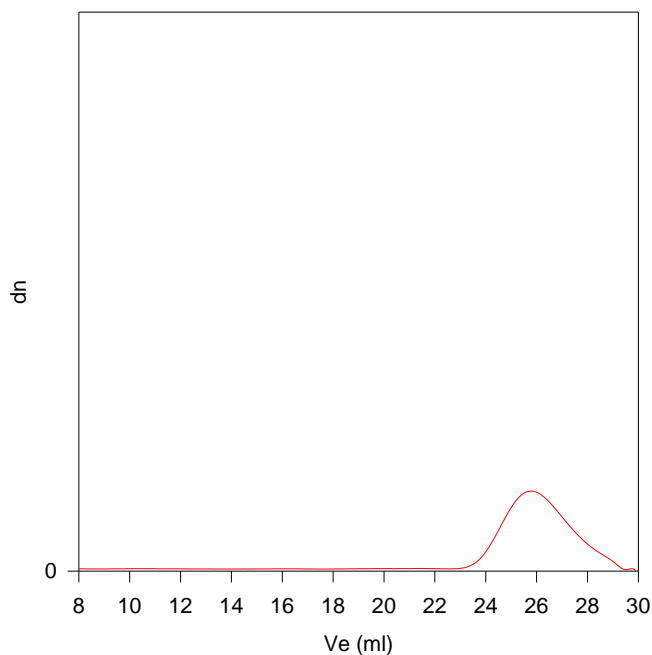
Synthesis Procedure:

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)

$\bar{M}_n=26000$, $\bar{M}_w=33,800$ PI=1.3

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

¹H-NMR Spectrum of the block copolymer:

