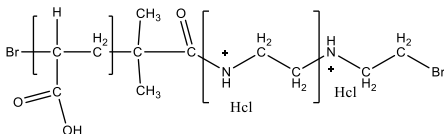


Sample Name: Poly(acrylic acid-b-ethylene imine)

Sample #: P42555E-AAEI

Structure:

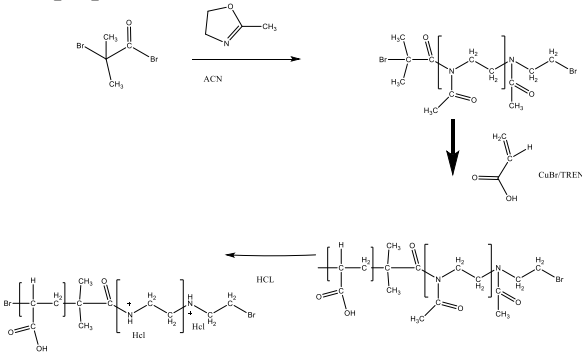


Composition:

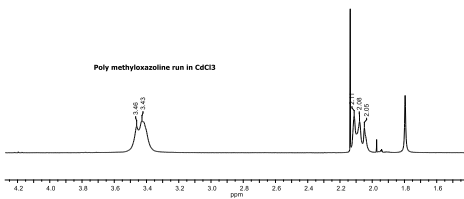
Mn x 10 ³ AA-b-EI	PDI
4.0-b-13.0	1.06

Synthesis Procedure:

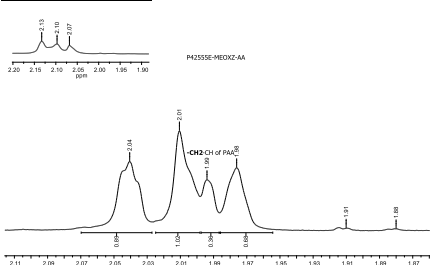
The following reaction scheme shows how the product was prepared:



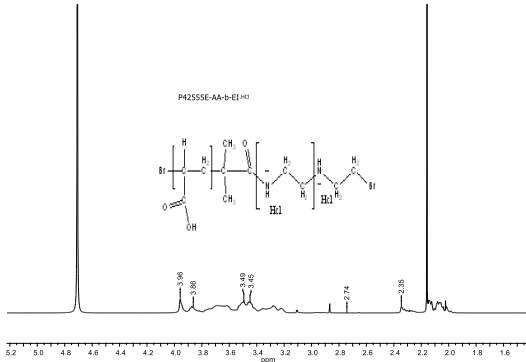
¹H-NMR Spectrum of the poly methyloxazoline run in CdCl₂:



¹H-NMR Spectrum of the polymer. PMEOXZ-b-AA in D₂O:



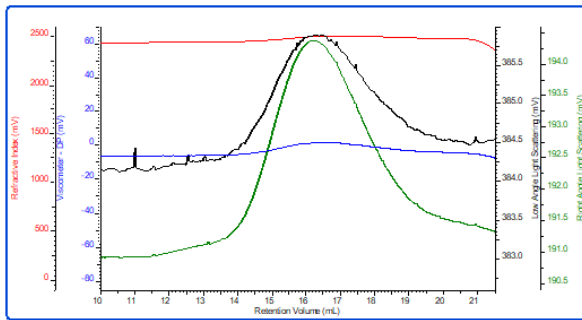
¹H-NMR Spectrum of the polymer. PEI -b-AA in D₂O:



SEC elugram of PMEOXZ macroinitiator used in this synthesis (run in DMF):

P42555D-MEOXZ

dn/dc	0.0840
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	PSS column-PMMA60K-Jan3-2019-0011.vcm



Sample	Mn	Mw	Mp	Mw/Mn
P42555D-MEOXZ_1_2	25,658	31,971	31,851	1.246

After Hydrolysis: Poly ethyleneimine Mn 13,000

SEC elugram of the sample (run in H₂O):

