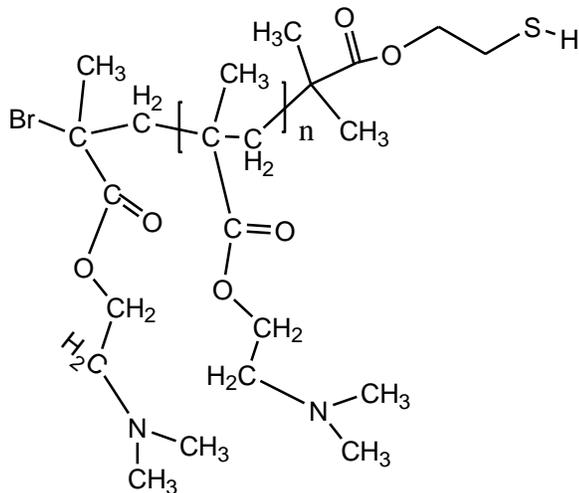


Sample Name:
Thiol Terminated Poly(2-(Dimethylamino) ethyl methacrylate)

Sample #: P20168-DMAEMA-SH

Structure:

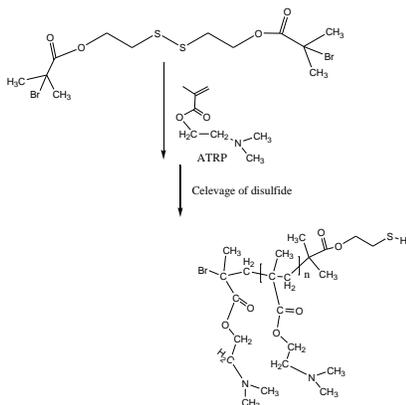
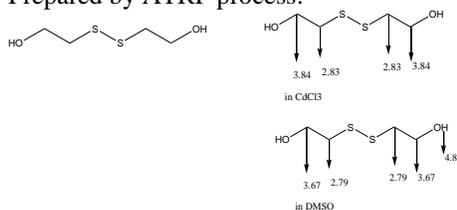


Composition:

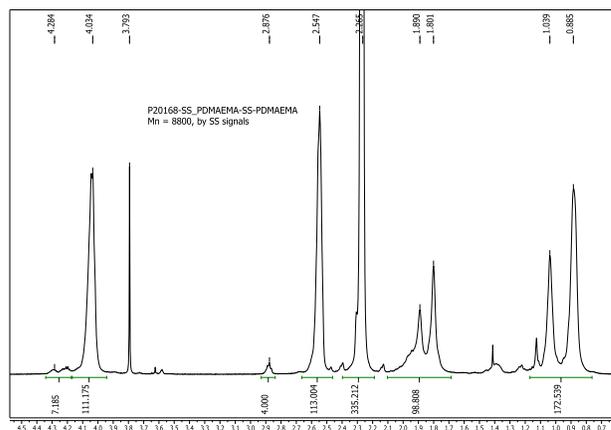
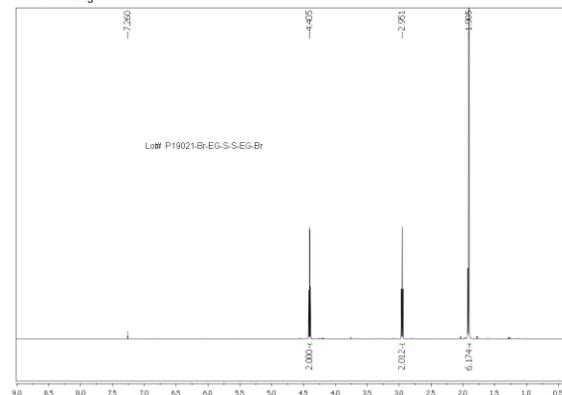
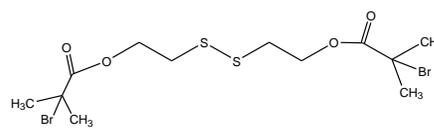
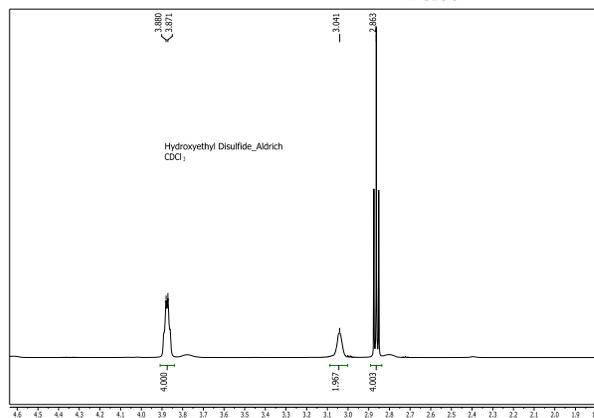
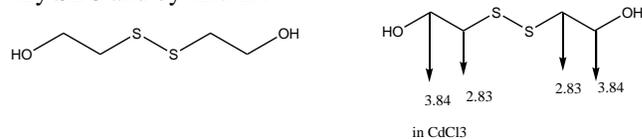
Mn x 10 ³	PDI
4.0	1.45
Syndio:hetero:iso ratio	55:40:5
SH functionality	>90%

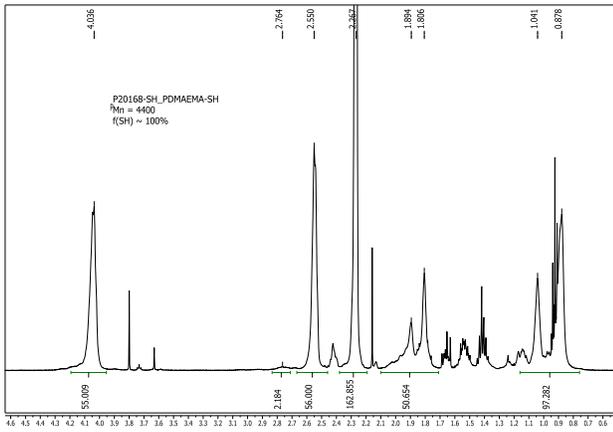
Synthesis Procedure:

Prepared by ATRP process:



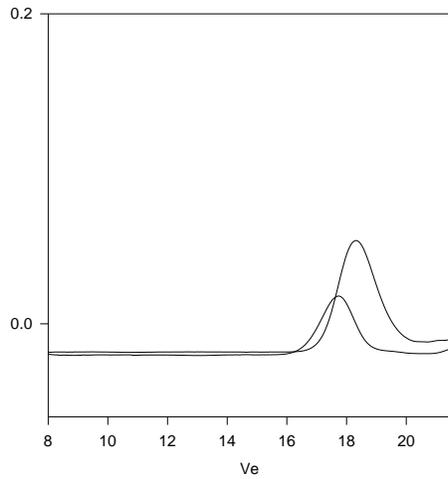
Characterization:
 By SEC and by HNMR





SEC of Sample:

P20168-DMAEMA-SH



Size Exclusion Chromatography of Thiol end Poly(NN-Dimethyl amino ethyl methacrylate):

1. Disulfide stage: $M_n = 8,500$, $M_w = 11,000$ $M_w/M_n = 1.3$
2. After Cleavage of disulfide link:
 M_n 4,000, M_w : 5,500 M_w/M_n 1.45
 SH Functionality >90%