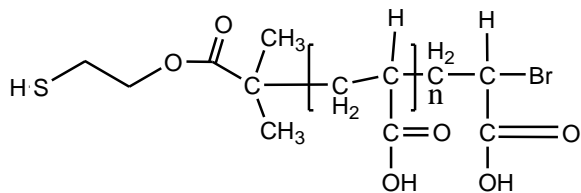


## Thiol terminated Poly(acrylic acid

**Sample #:** P20167B-AA-SH

### Structure:

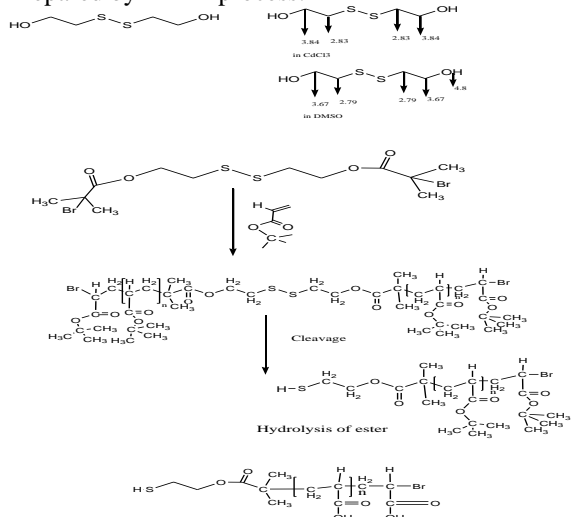


### Composition:

|                    |     |
|--------------------|-----|
| Mnx10 <sup>3</sup> | PDI |
| 2.0                | 1.3 |

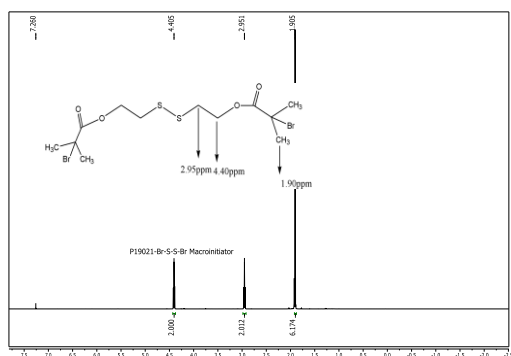
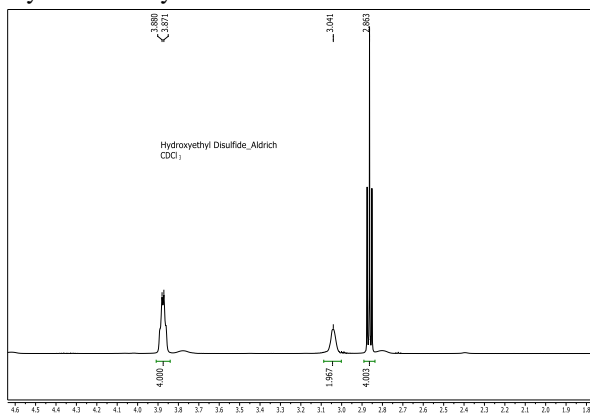
### Synthesis Procedure:

Prepared by ATRP process:

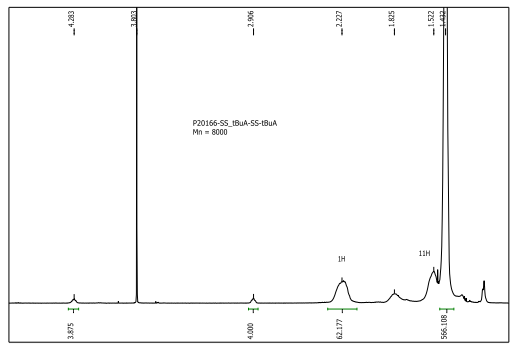


### Characterization:

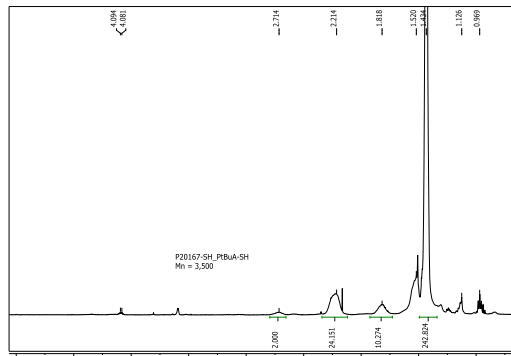
By SEC and by HNMR



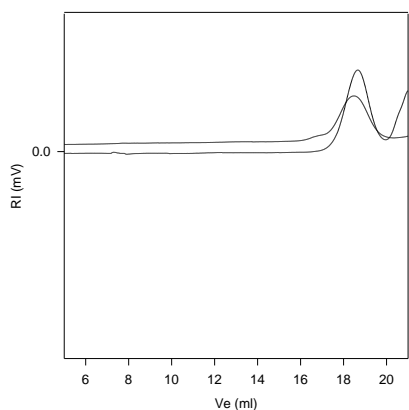
Disulfide form :



Free thiol form



**SEC of Sample:**



### Size Exclusion Chromatography of the Product:

$M_n = 7,000$   $M_w = 9,500$ ,  $M_w/M_n = 1.3$   
after cleavage of disulfide linkage:  $M_n$  3500  $M_w/M_n$  1.3

After Hydrolysis of tert-butyl ester: Mn 2000  
Mw/Mn 1.3