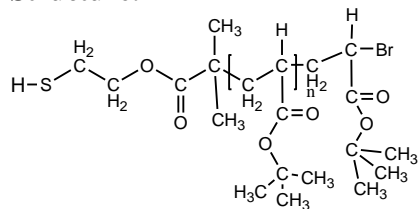


Sample Name: Thiol terminated Poly (tert. Butyl acrylate)

Sample #: P41479A-tBuASH

Structure:

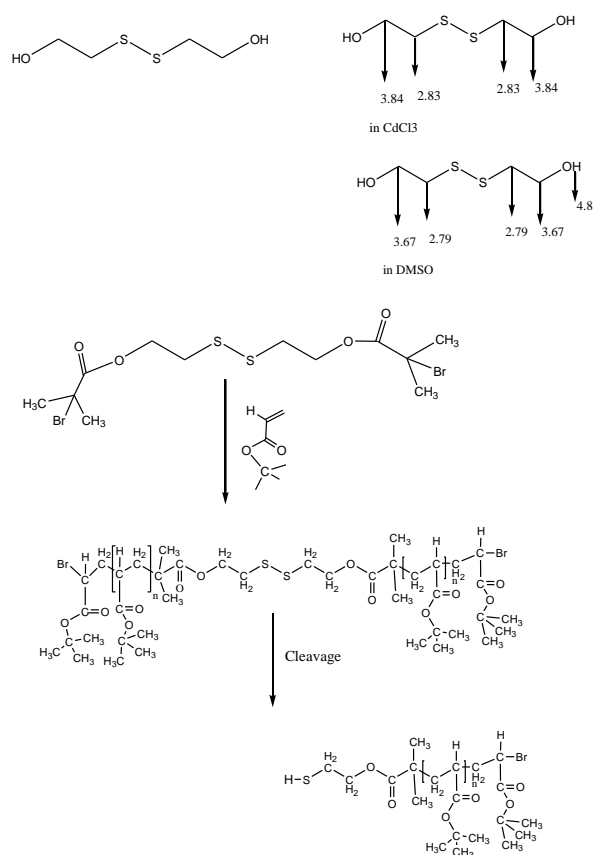


Composition:

Mwx10 ³	PDI
13.0	1.20

Synthesis Procedure:

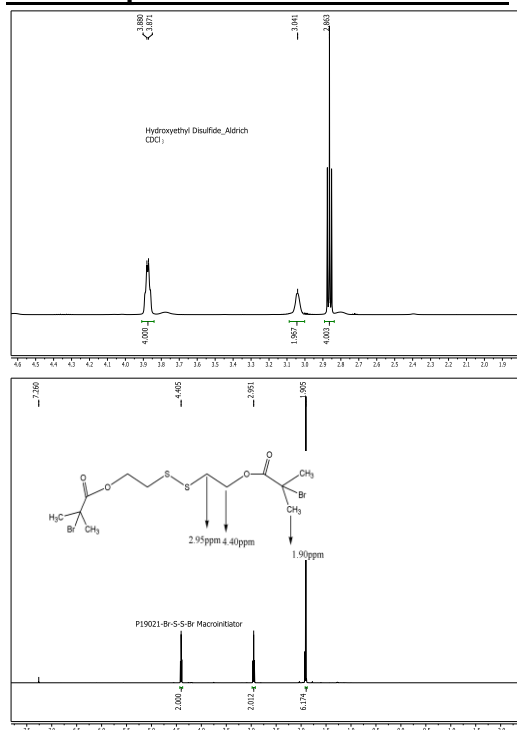
The polymer is prepared by ATRP polymerization process as illustrated below:



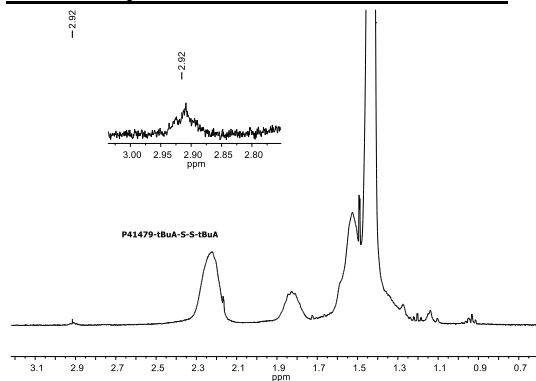
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ¹H NMR.

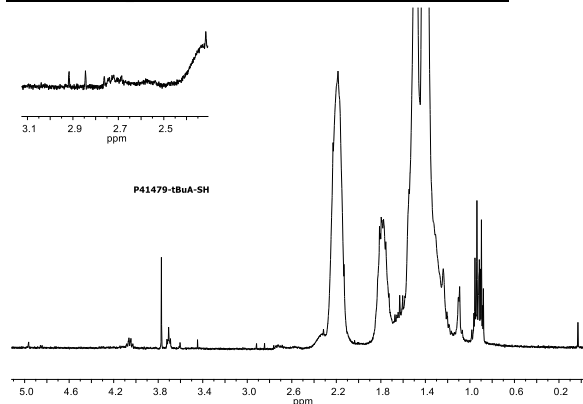
H NMR spectrum of the macroinitiator:



H NMR spectrum of the Disulfide form:

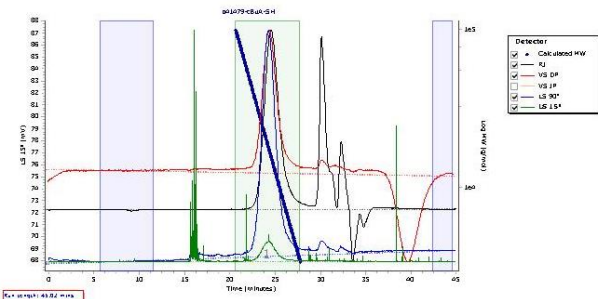


H NMR spectrum of the free thiol form:



SEC elugram of the PtBuASH:

Chromatogram Plot



Molecular Weight Averages

Molecular Weight Averages							
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	30225	25226	28354	31487	35202	30904	1.124

Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	15754	12942	15605	18437	22249	18042	1.206