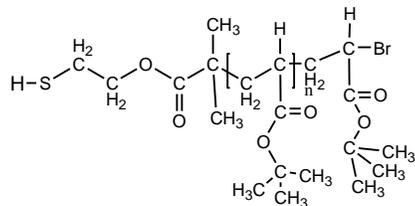


Sample Name: Thiol terminated Poly (tert. Butyl acrylate)

Sample #: P41479A-tBuASH

Structure:

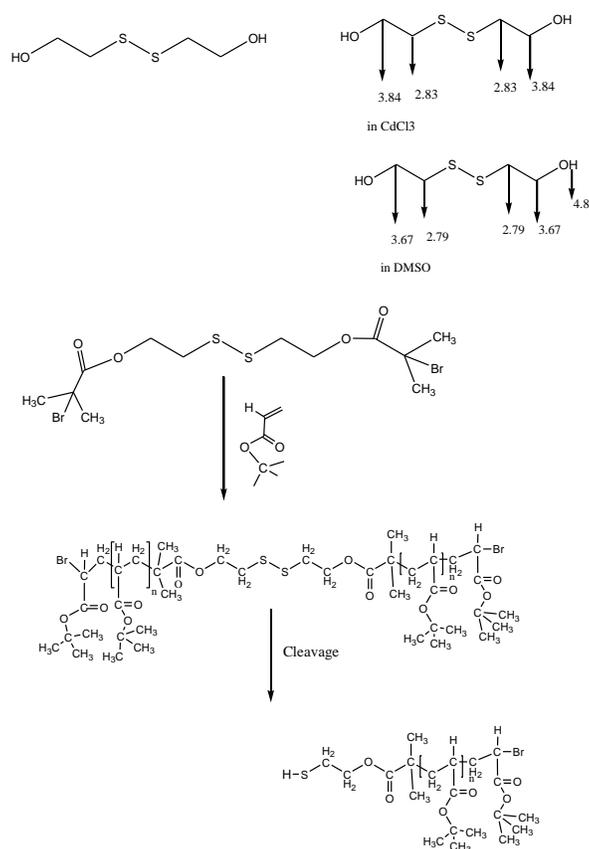


Composition:

Mwx10 ³	PDI
13.0	1.20

Synthesis Procedure:

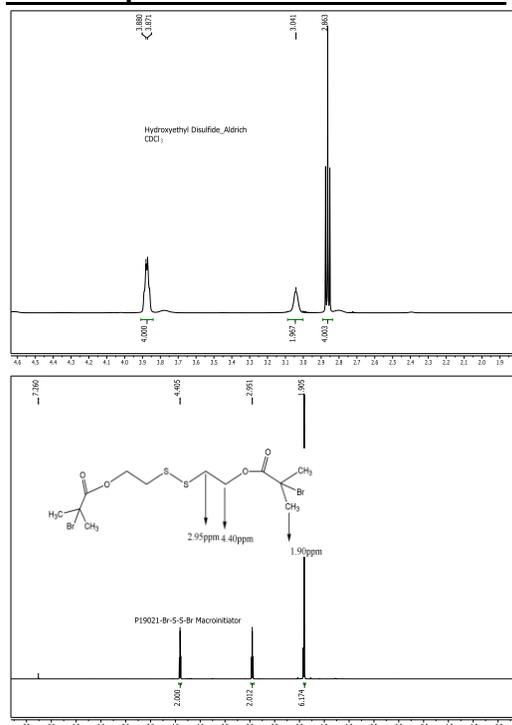
The polymer is prepared by ATRP polymerization process as illustrated below:



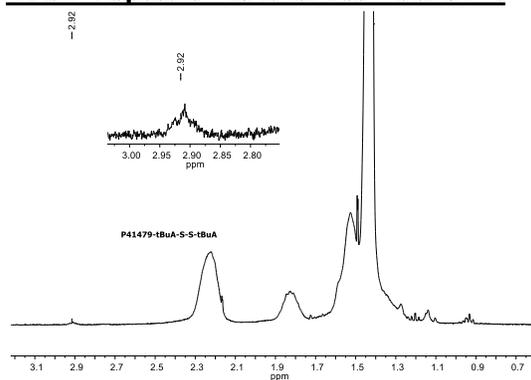
Characterization:

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

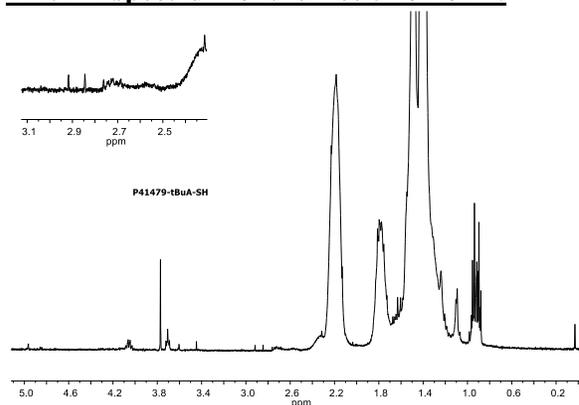
H NMR spectrum of the macroinitiator:



H NMR spectrum of the Disulfide form:

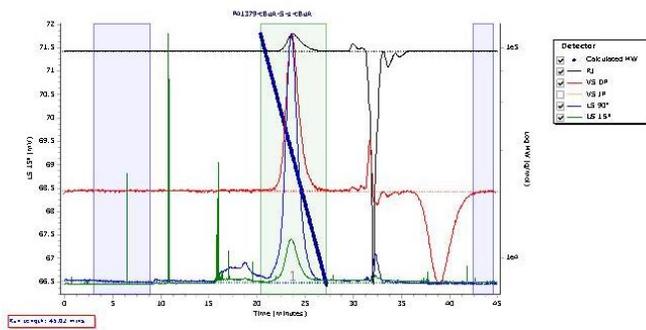


H NMR spectrum of the free thiol form:



SEC elugram of the PtBuA-S-StBuA:

Chromatogram Plot



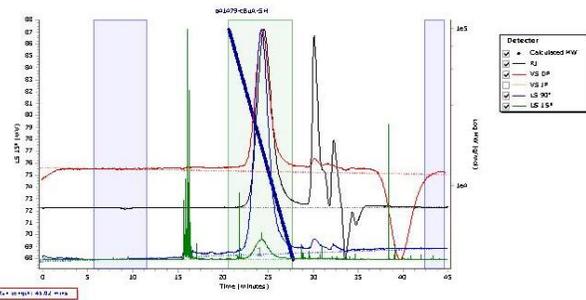
Molecular Weight Averages

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

SEC elugram of the PtBuASH:

p41479-tBuA-SH

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mu (g/mol)	PD
Peak 1	15754	12942	15605	19437	22249	18042	1.208