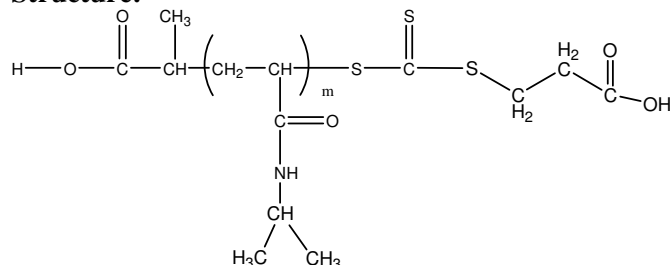


Sample Name: α -w-dicarboxy terminated
Poly(N-isopropyl acrylamide) Oligomers

Sample #: P16020A—NIPAM2COOH

Structure:

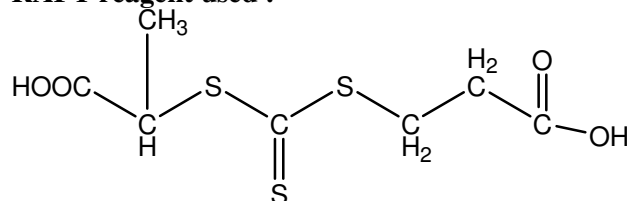


Composition:

Mn x 10 ³	PDI
2.2	1.2
Dp: 20 units	

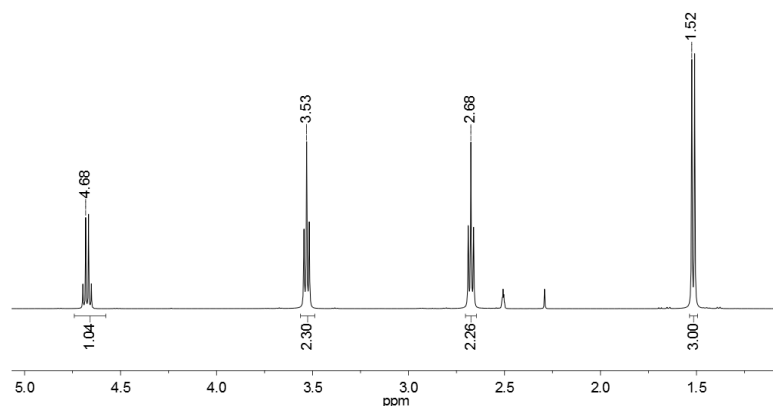
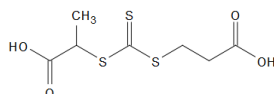
Synthesis Procedure: The polymer was synthesized by RAFT process:

RAFT reagent used :



¹H NMR spectrum of RAFT reagent:

¹H NMR (500MHz, DMSO-d₆): P20260A-RAFT

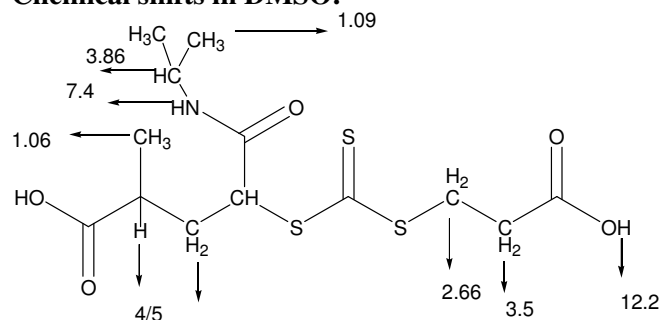


Purification of oligomer:

Oligomer was found insoluble in water. The product was stirred over night in water and insoluble product was taken and dissolved in methanol ppt in cold hexane.

Characterization: The polymer was characterized by ¹H NMR and SEC.

Chemical shifts in DMSO:



Chemical Shifts in DMSO

¹H NMR spectrum of RAFT reagent:

