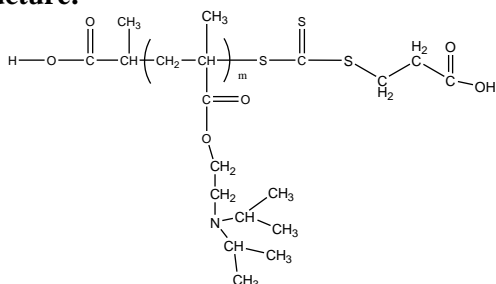


Sample Name: α - ω Di carboxylic acid terminated Poly(N-N-diisopropyl aminoethyl methacrylate)

Sample #: P40840C-DIPAEMA

Structure:

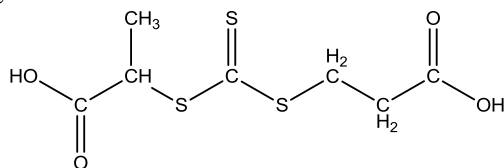


Composition:

Mn x 10 ³	PDI
23.0	1.6

Synthesis:

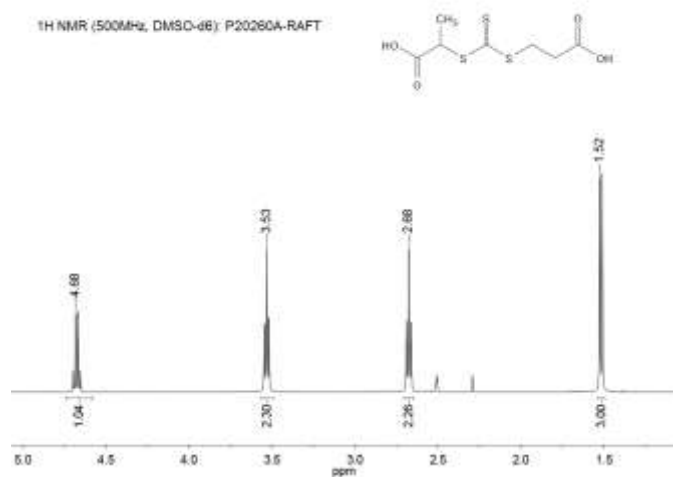
The polymer was synthesized by RAFT polymerization process using below RAFT reagent:



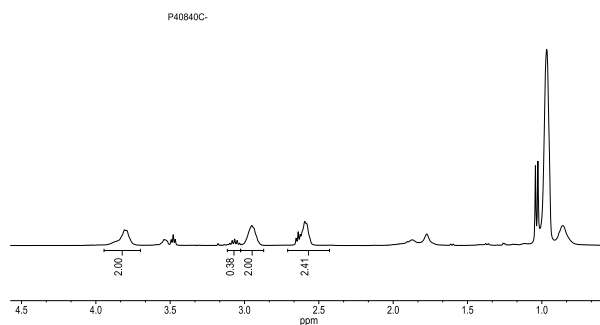
Chemical Formula: C₇H₁₀O₄S₃

Molecular Weight: 254.3

¹H NMR spectrum of RAFT reagent (500 MHz, DMSO-d₆):



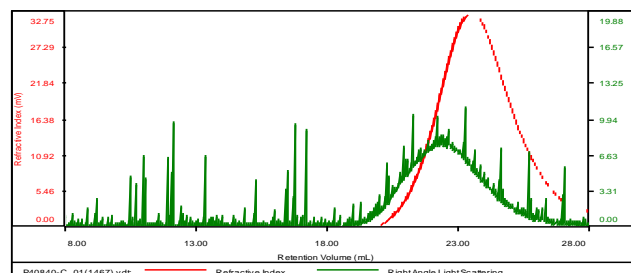
¹H NMR spectrum of the sample:



SEC elugram of the sample:

P40840C-DIPAEMA

Concentration (mg/mL)	0.7908
Sample dn/dc (mL/g)	0.0840
Method File	PS100K-SEPT19-2017-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40840-C_01(1467).vdt	22,884	38,042	1.662	0.0514	25,321