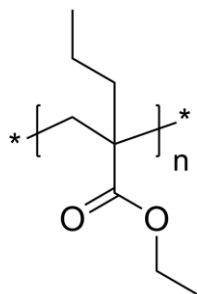


Sample name: Poly(ethyl α -propyl acrylate)

Sample ID #: P60522A-EPrA

Structure:

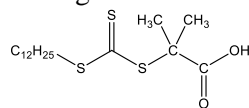


Composition:

$M_n \times 10^3$ (g/mol)	M_w/M_n
5.8	1.25

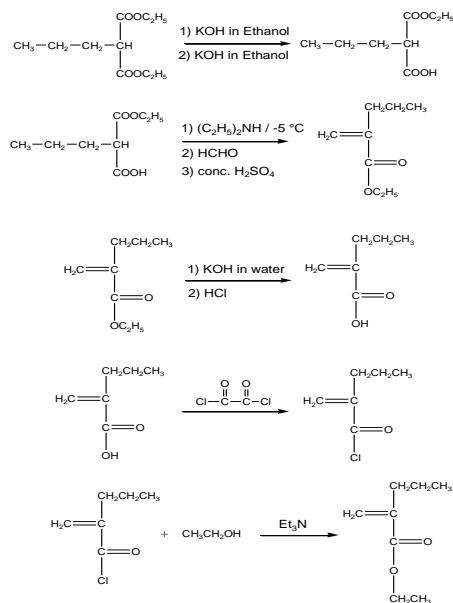
Synthesis Procedure:

The polymer was synthesized by RAFT polymerization process. The RAFT reagent used in this process:



Chemical Formula: $C_{17}H_{32}O_2S_3$
Molecular Weight: 364.6

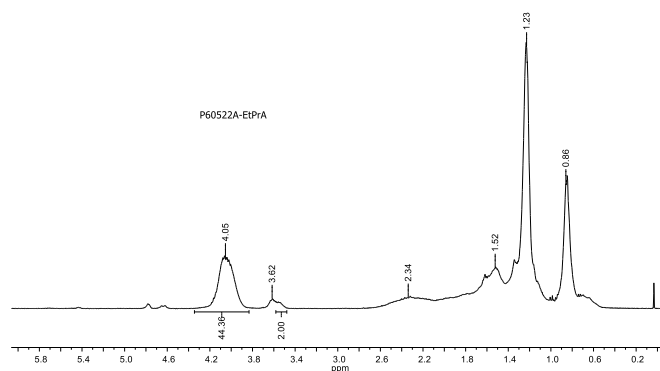
The scheme of reaction is presented below:



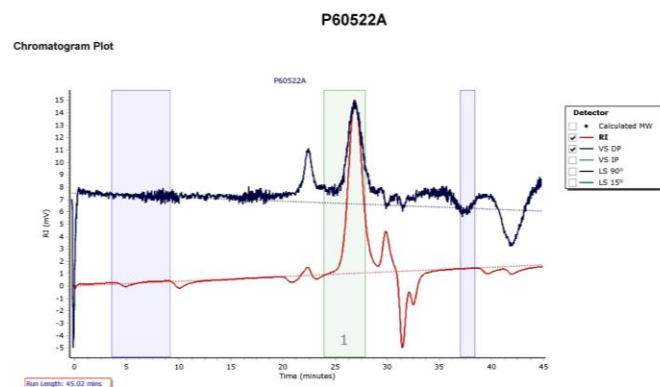
Characterization:

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

1H NMR spectrum of the polymer:



SEC chromatogram of the product:



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	6262	5794	7168	9564	14044	8458	1.241