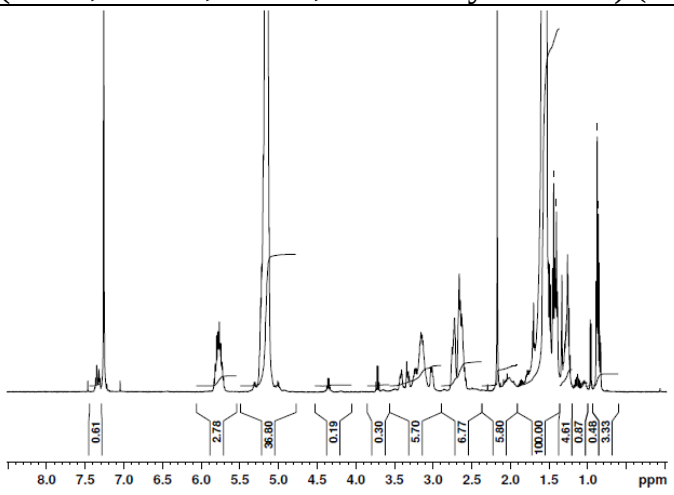
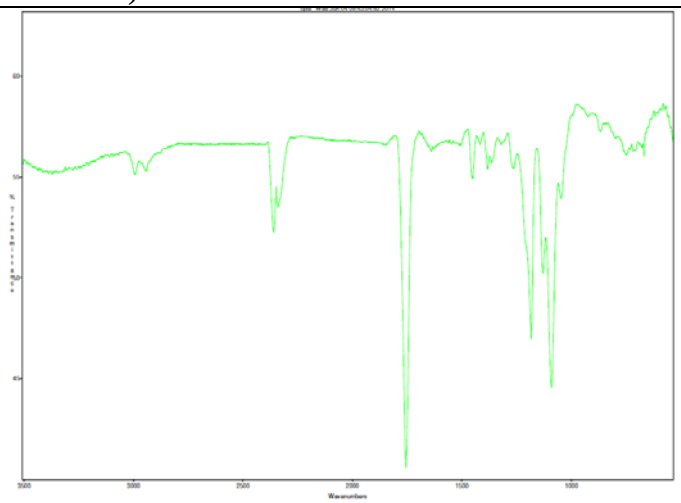
No. AI73 Certificate of Analysis

Product Name: poly(lactide-co-allyl lactide-co-thiolene conjugated diethylaminoethyl-lactide (Mn 5,000-10,000Da, ~26% allyl reacted) (Lot#: 40515JSG)

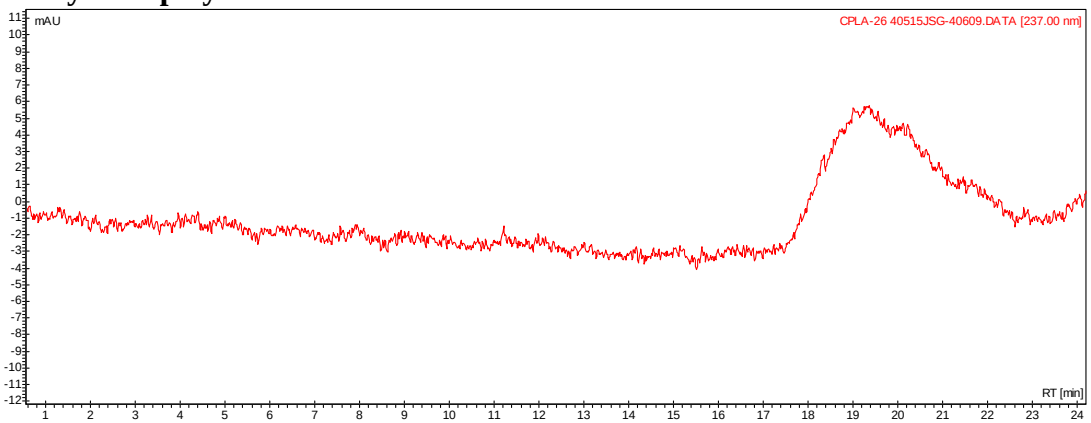


H-NMR Spectrum of polymer in $CDCl_3$ (Varian Inova 500 MHz instrument) Purity: 97%



FTIR Analysis Method: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode

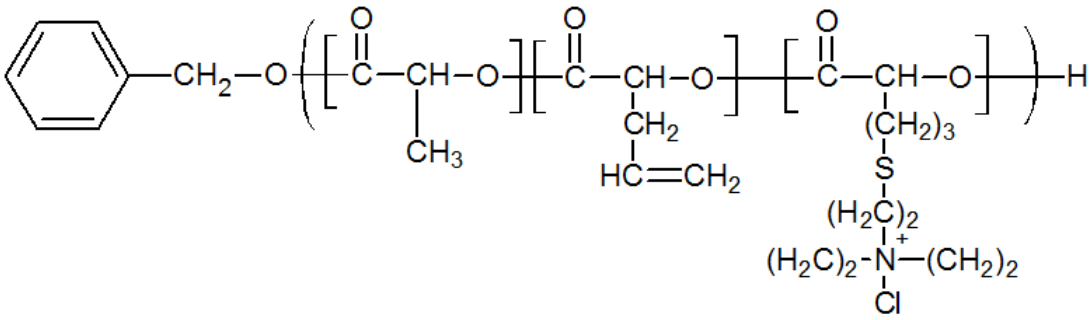
- **GPC analysis of polymer**



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5µm columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
CPLA26	8882	16820	1.89

- **Structure of allyl-PLA polymer**



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