

Supporting Information for

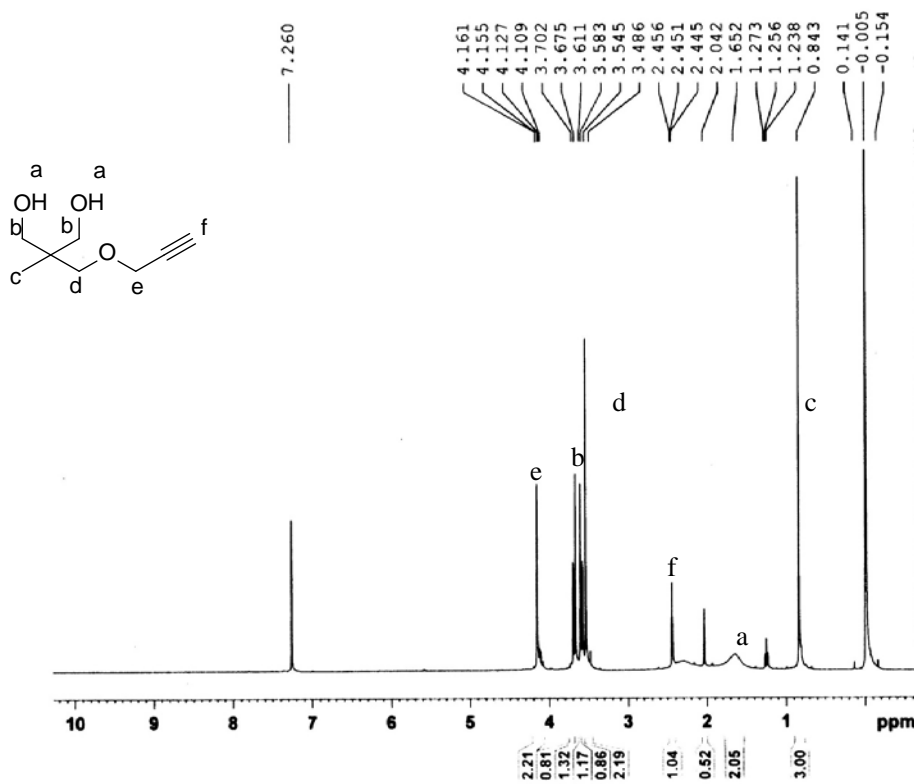
An Investigation of Siloxane Cross-linked Hydroxyapatite-Gelatin/Copolymer Composites for Potential Orthopedic Applications

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Wei You^{1*}*

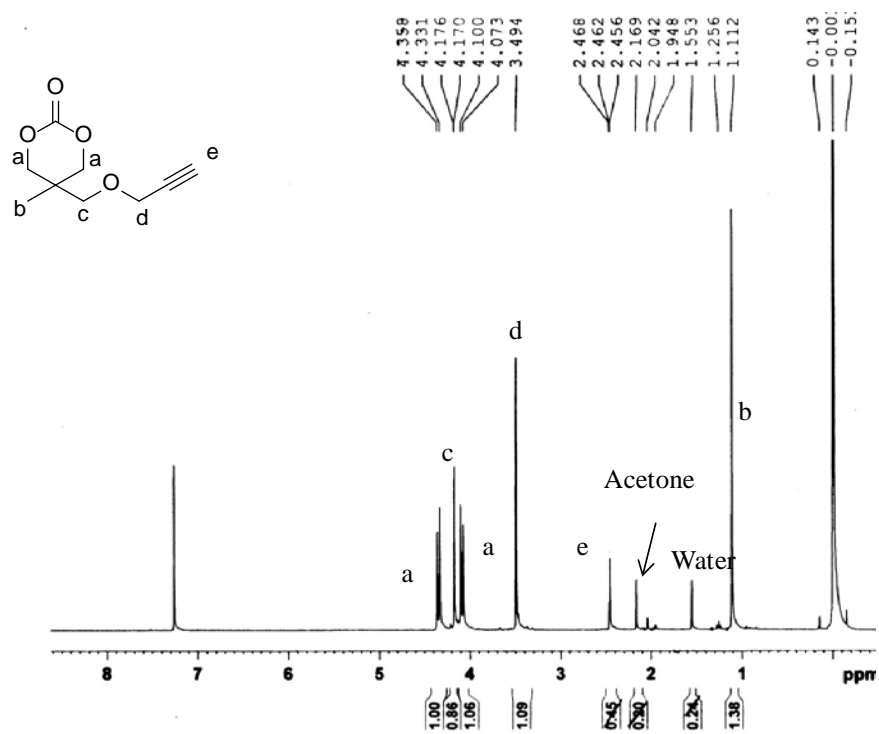
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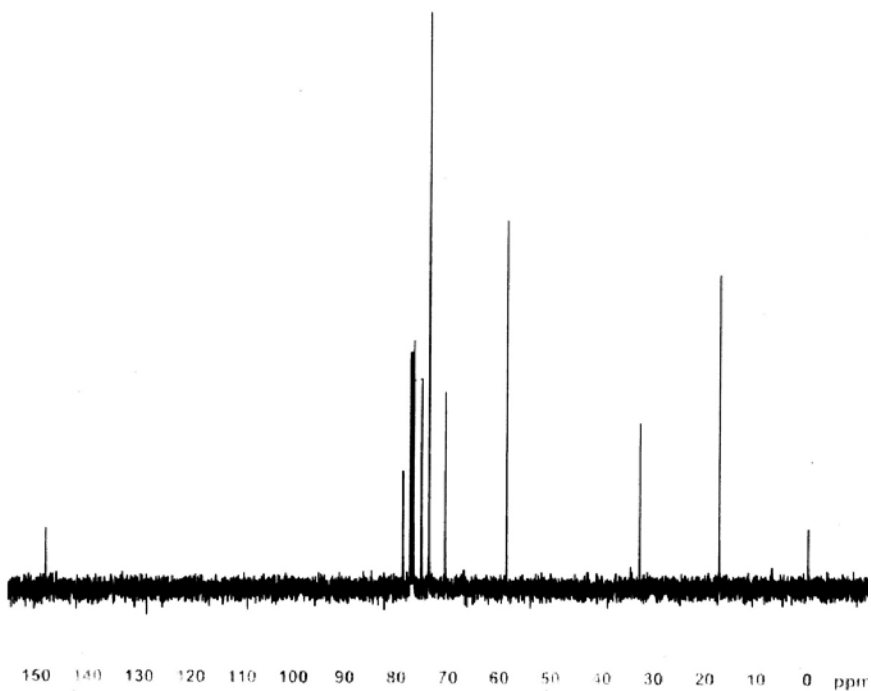
C3 ¹H NMR



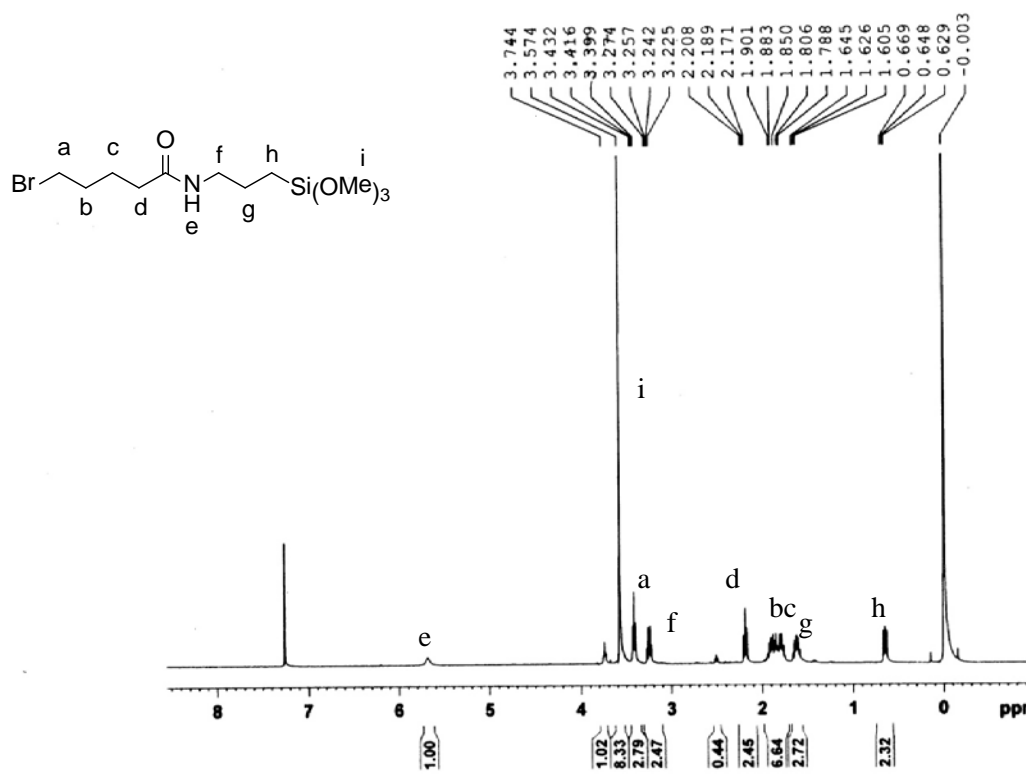
C4 (PC) ^1H NMR



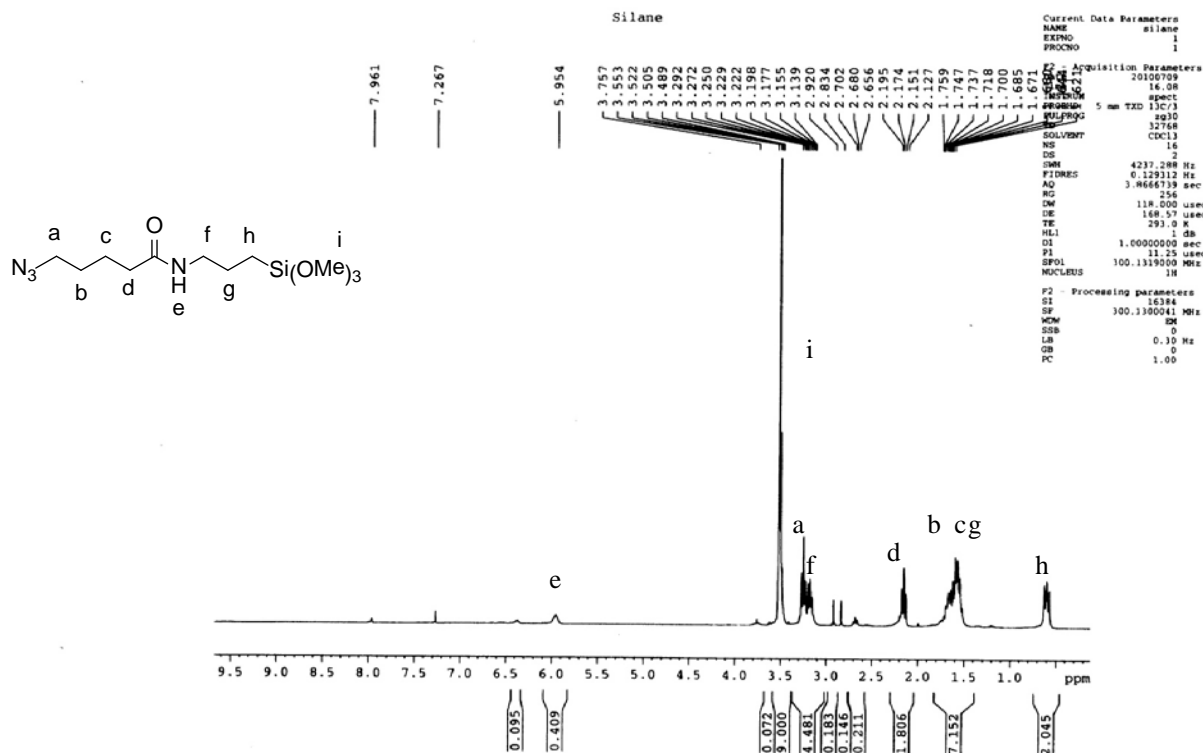
C4 (PC) ^{13}C NMR



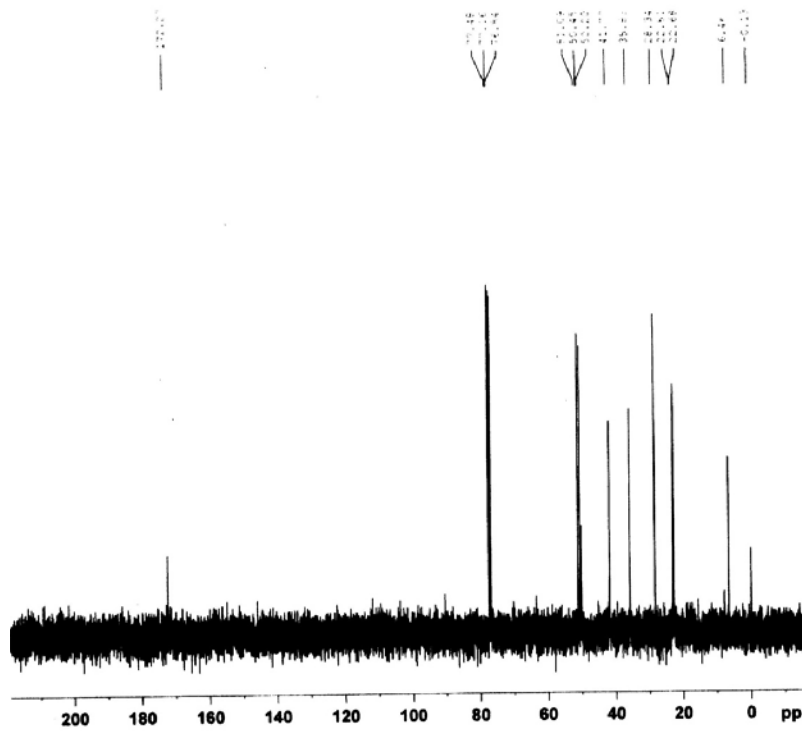
G1 ¹H NMR



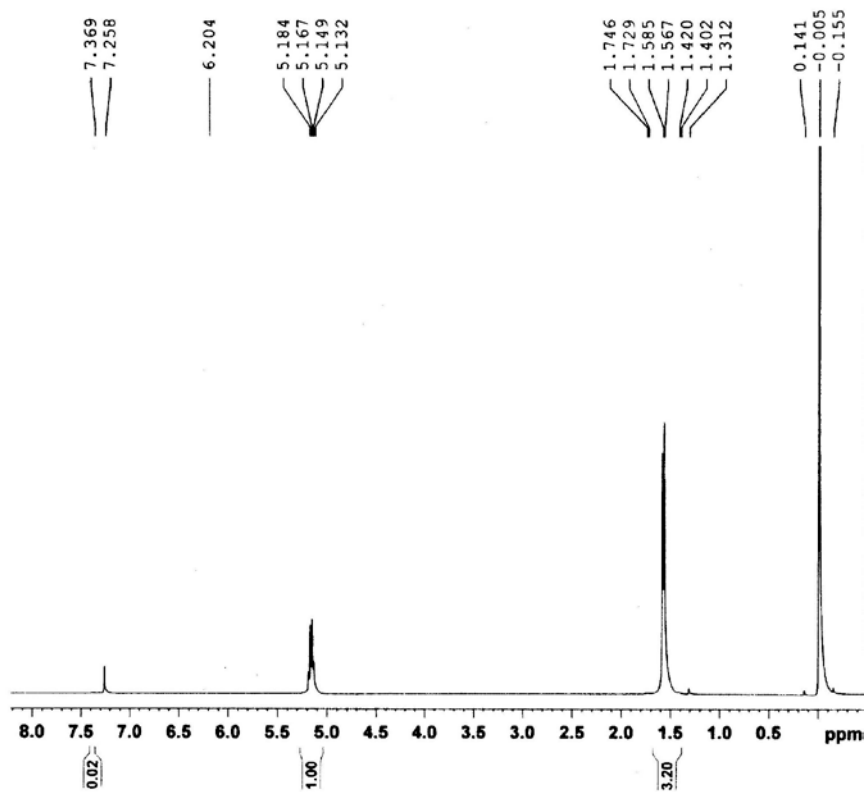
G2 ¹H NMR



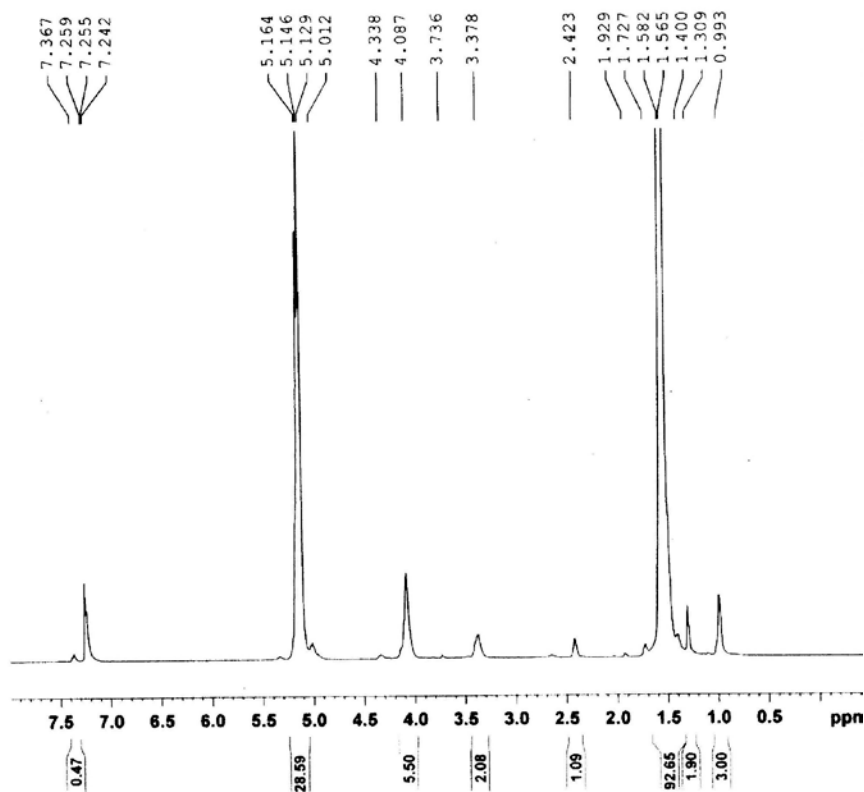
G2 (AS) ¹³C NMR



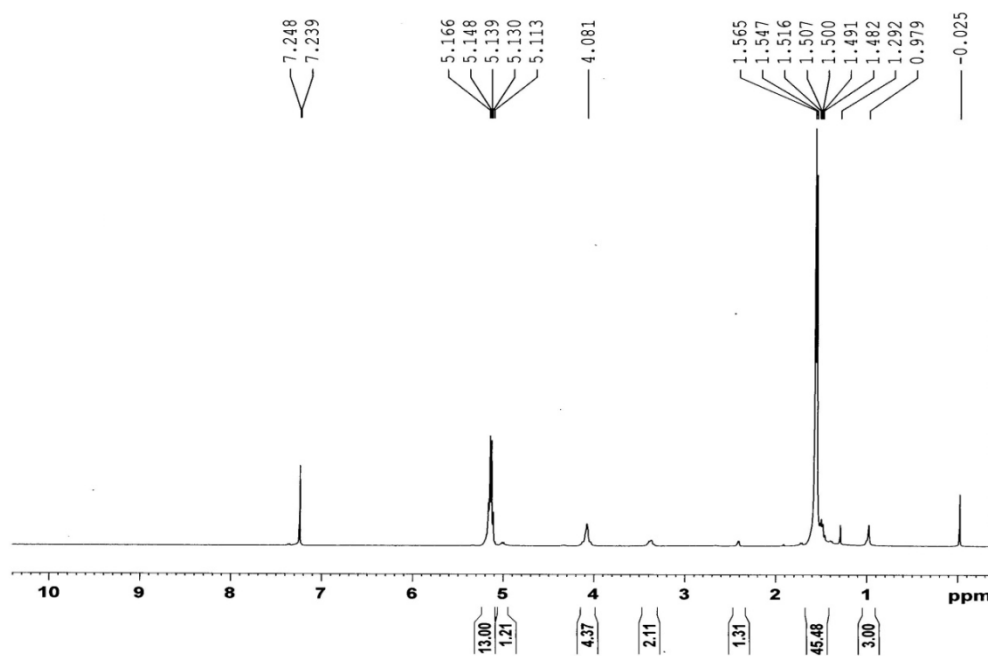
PLLA ^1H NMR



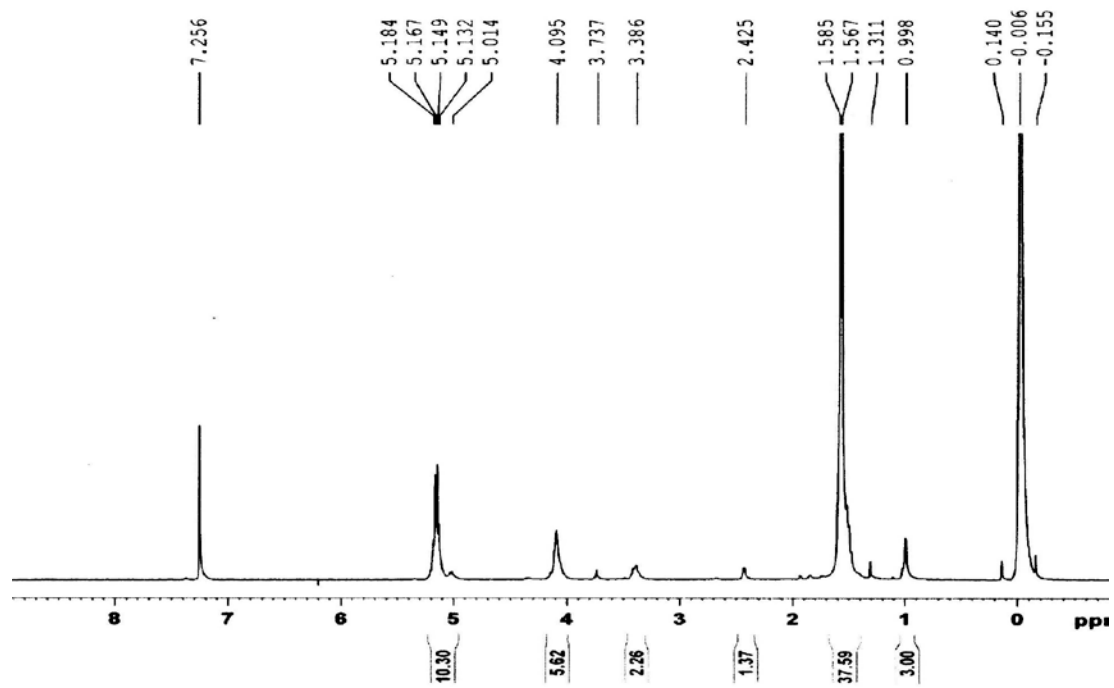
P(LLA-co-PC)6.4% ^1H NMR



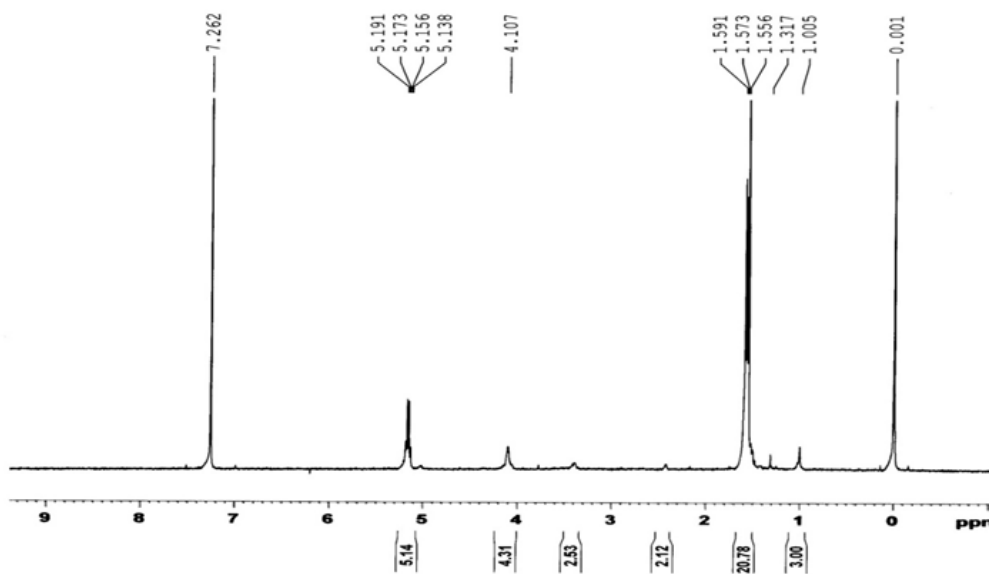
P(LLA-co-PC)13.5% ^1H NMR



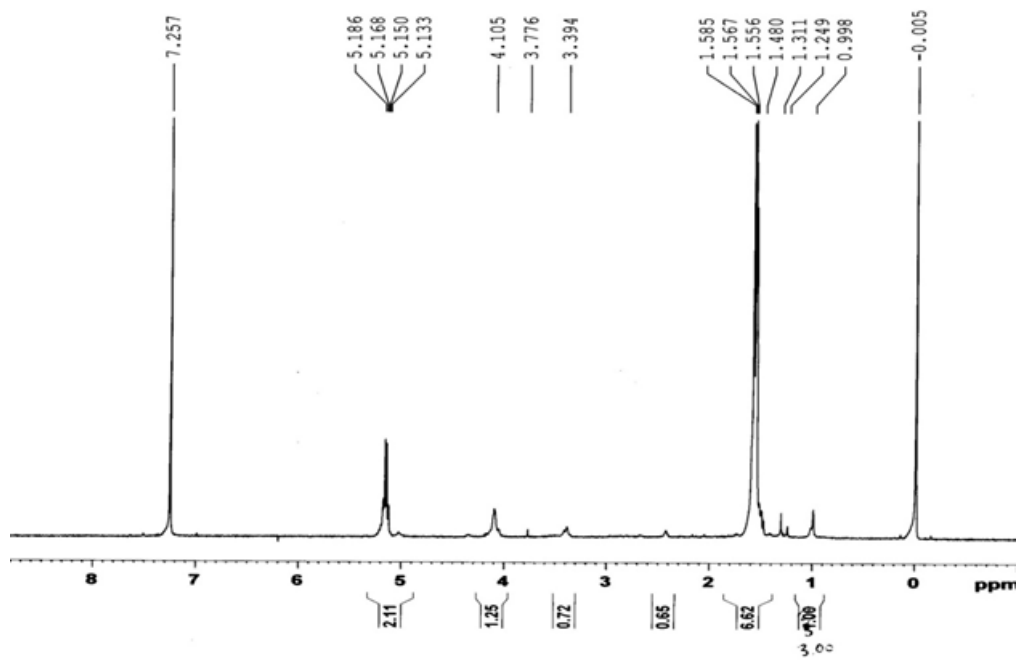
P(LLA-co-PC)21.05% ^1H NMR



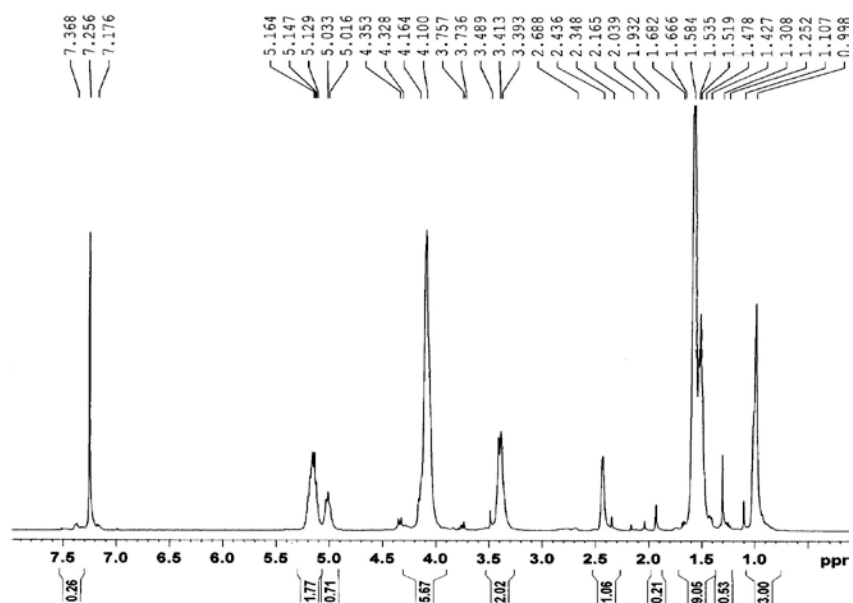
P(LLA-co-PC)25.9% ^1H NMR



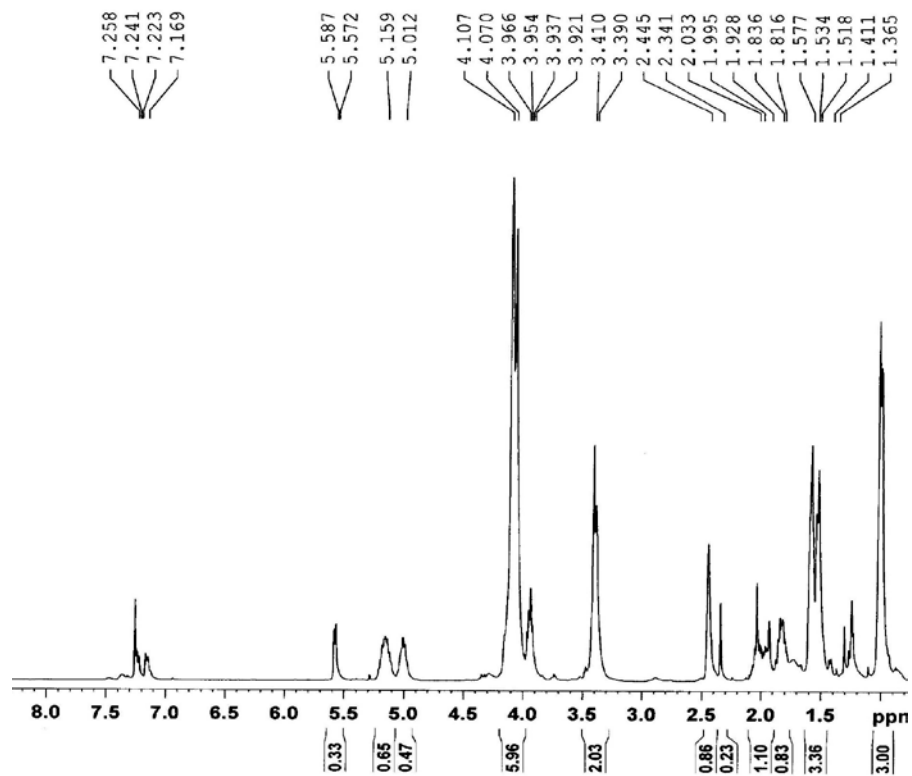
P(LLA-co-PC)32.1% ^1H NMR



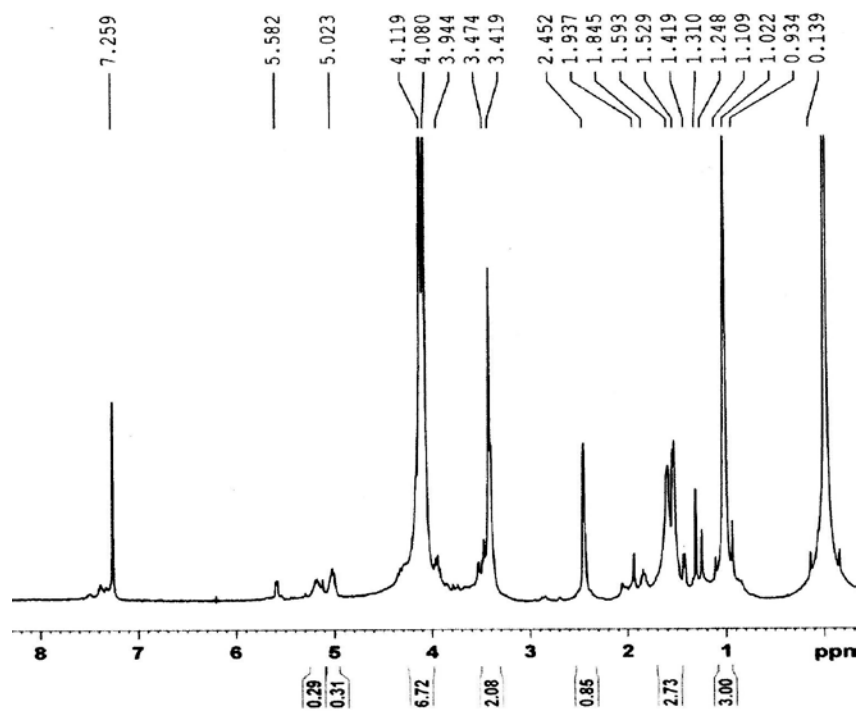
P(LLA-co-PC)44.6% ^1H NMR



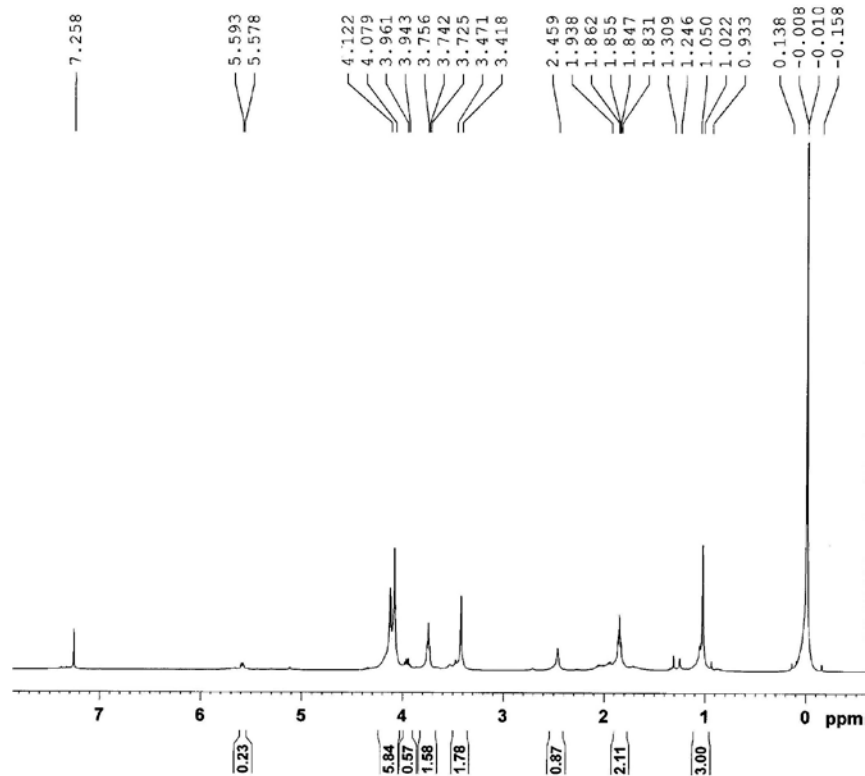
P(LLA-co-PC)64.1% ^1H NMR



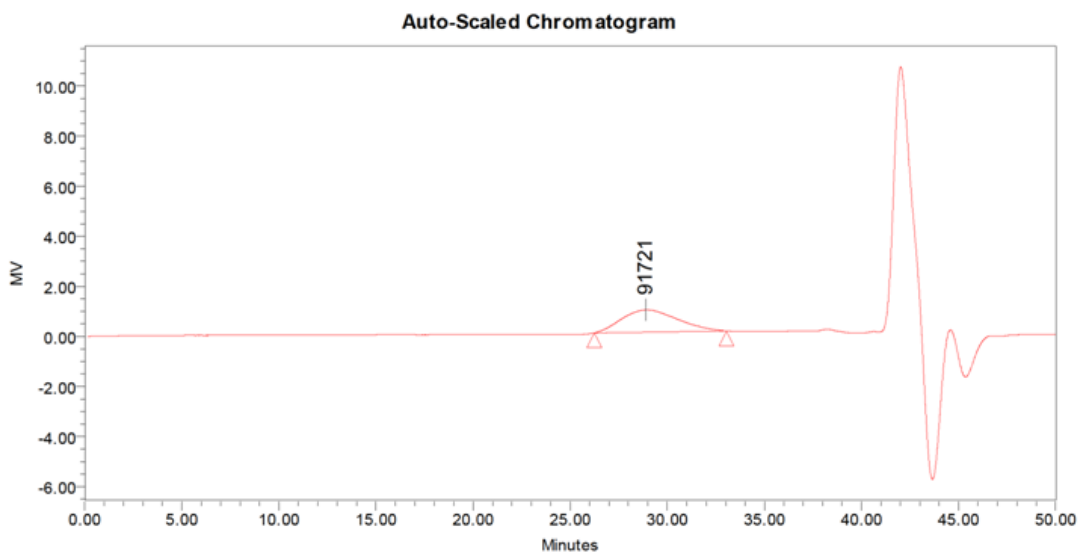
P(LLA-co-PC)80% ¹H NMR



PPC ¹H NMR



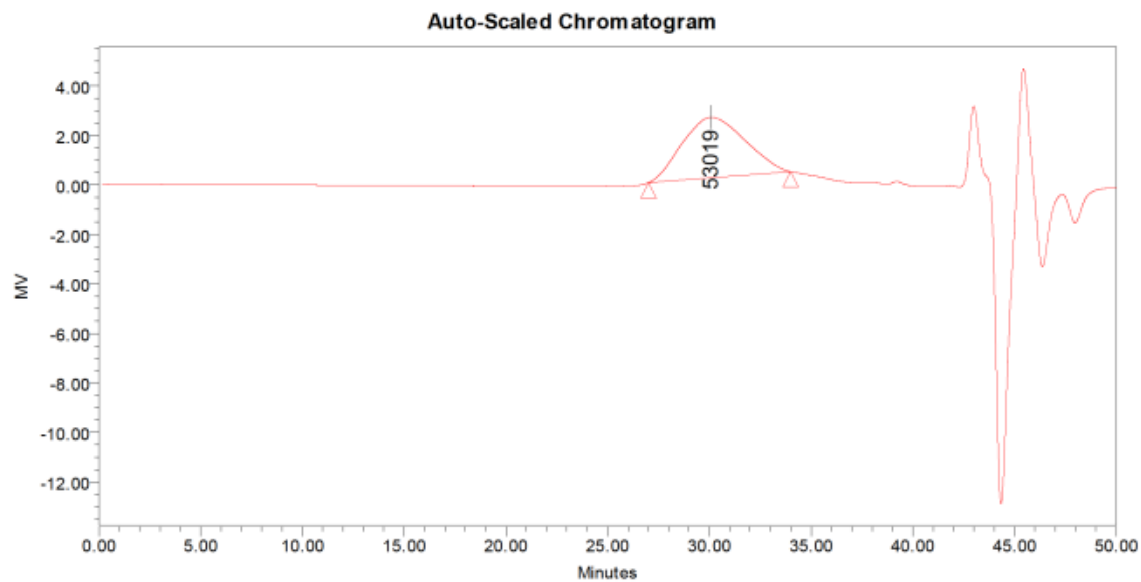
PLLA GPC



GPC Results

Dist Name	Mn	Mw	Mv	MP	Mz	Mz+1	Polydispersity	K	alpha
1	66650	93707		91721	124431	154206	1.405961		

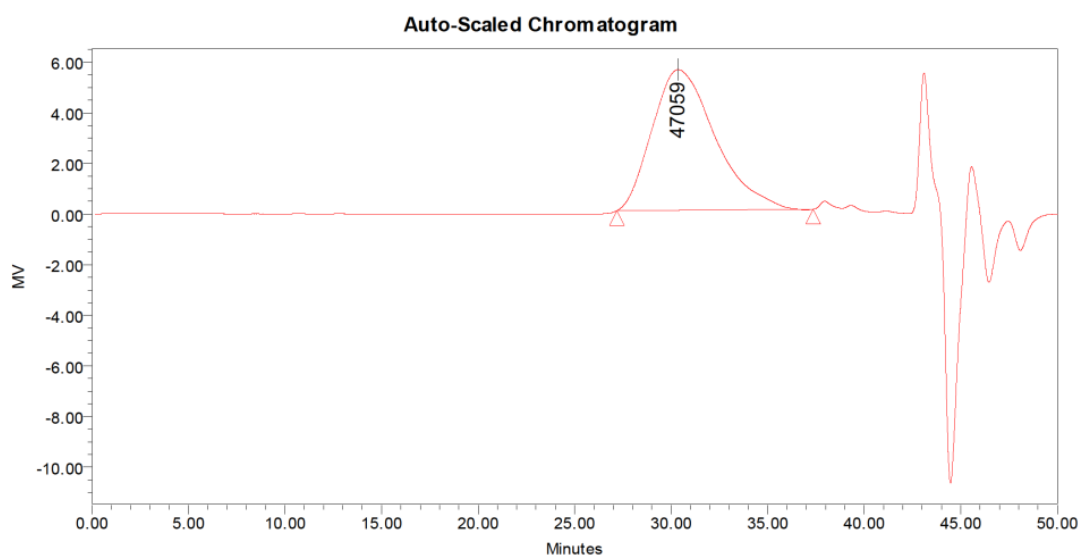
P(LLA-co-PC)6.4% GPC



GPC Results

Dist Name	Mn	Mw	Mv	MP	Mz	Mz+1	Polydispersity	K	alpha
1	40742	57783		53019	78323	98922	1.418267		

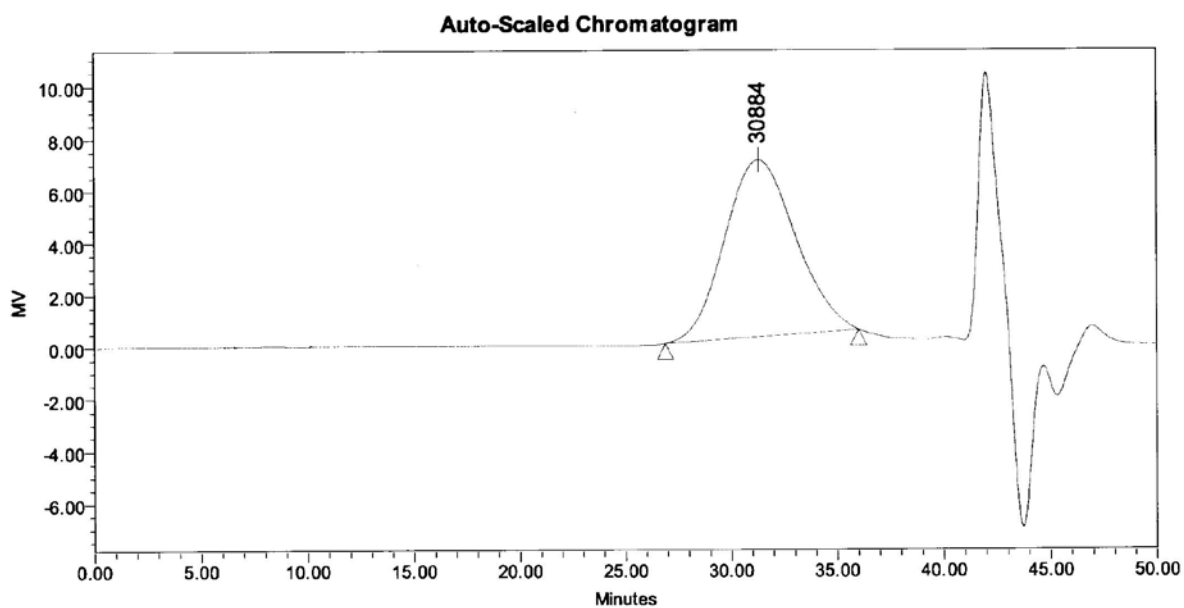
P(LLA-co-PC)13.5%



GPC Results

Dist Name	Mn	Mw	Mv	MP	Mz	Mz+1	Poly dispersity	K	alpha
1	28703	46611		47059	65999	84752	1.623896		

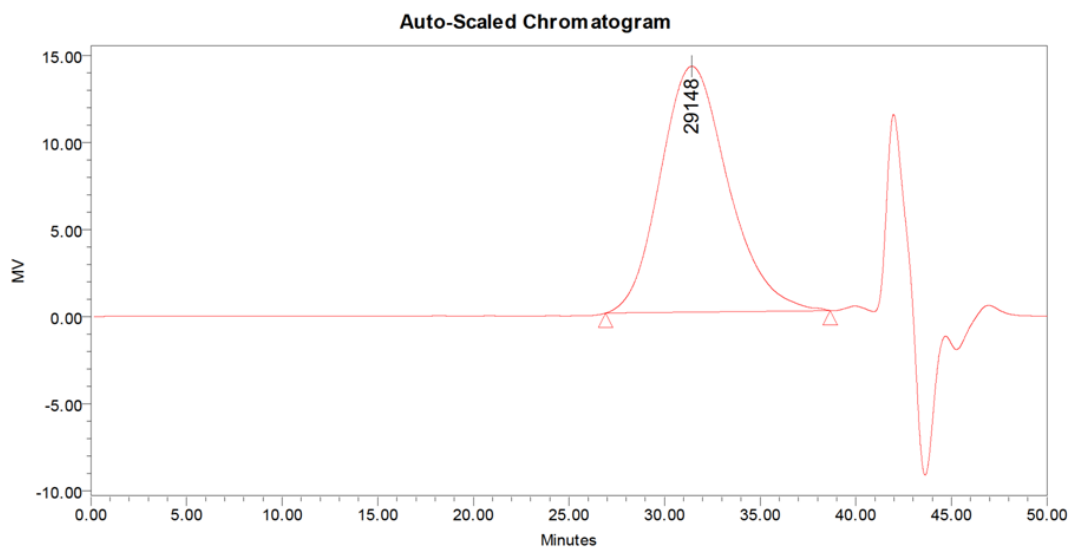
P(LLA-co-PC)21.05% GPC



GPC Results

Dist Name	Mn	Mw	Mv	MP	Mz	Mz+1	Poly dispersity	K	alpha
1	23000	35765		30884	53197	74388	1.555025		

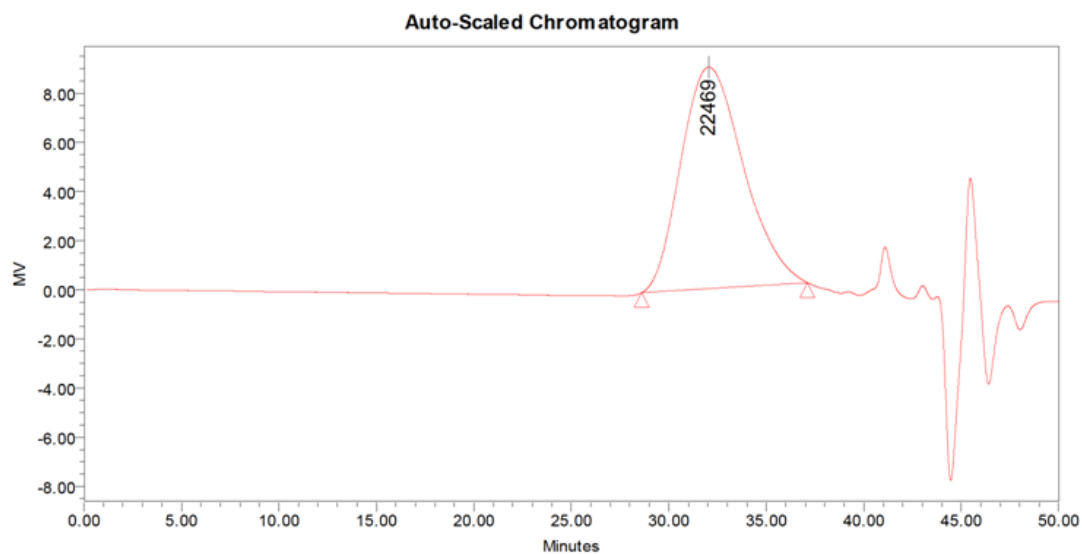
P(LLA-co-PC)25.9% GPC



GPC Results

Dist Name	Mn	Mw	Mv	MP	Mz	Mz+1	Poly dispersity	K	alpha
1	18556	33469		29148	52491	75373	1.803724		

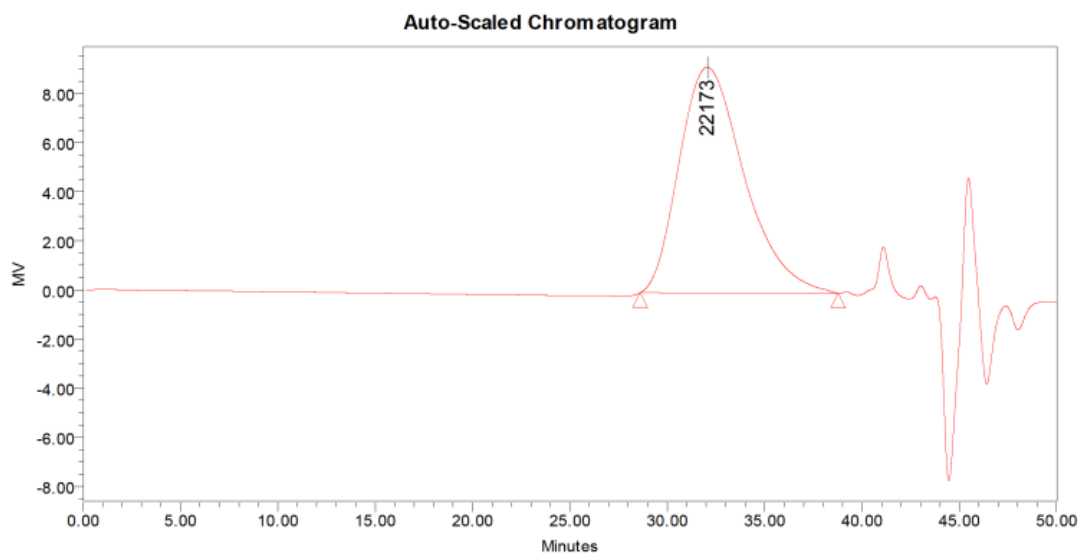
P(LLA-co-PC)32.1%



GPC Results

Dist Name	Mn	Mw	Mv	MP	Mz	Mz+1	Poly dispersity	K	alpha
1	15488	23307		22469	32089	40847	1.504886		

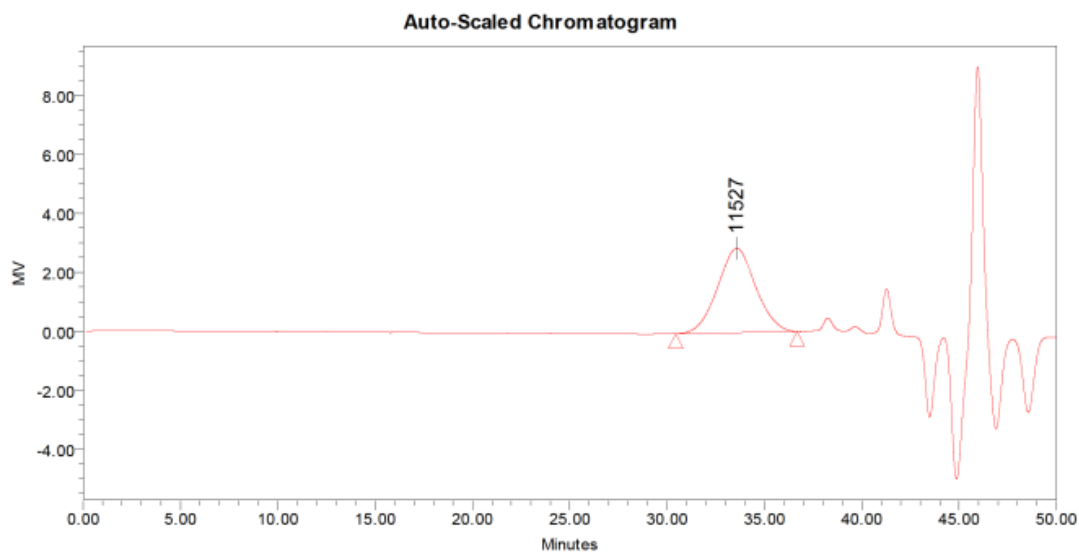
P(LLA-co-PC)44.6% GPC



GPC Results

Dist Name	Mn	Mw	Mv	MP	Mz	Mz+1	Poly dispersity	K	alpha
1	13528	22600		22173	31964	40964	1.670652		

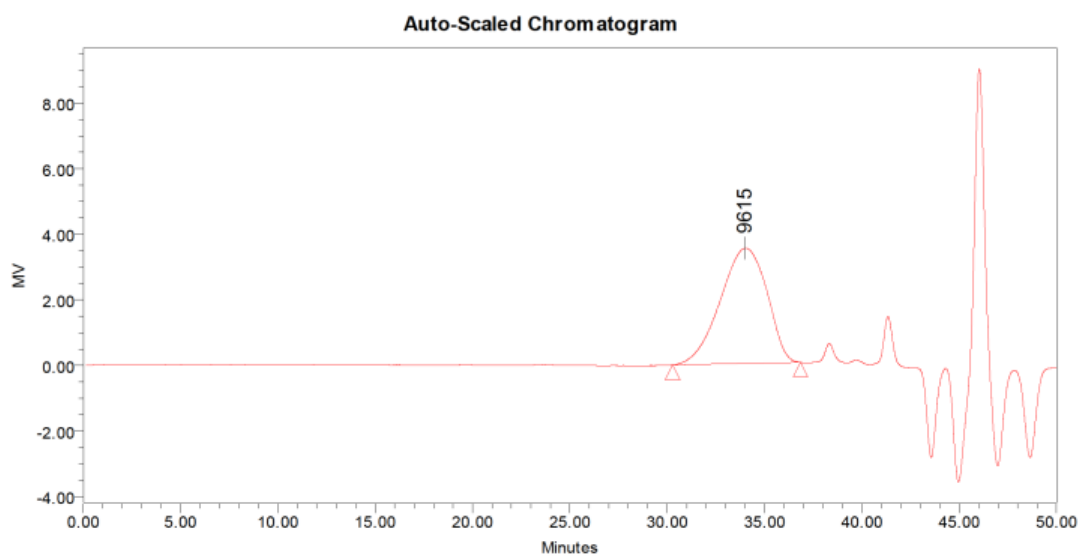
P(LLA-co-PC)64% GPC



GPC Results

Dist Name	Mn	Mw	Mv	MP	Mz	Mz+1	Poly dispersity	K	alpha
1	10496	12354		11527	14463	16811	1.177066		

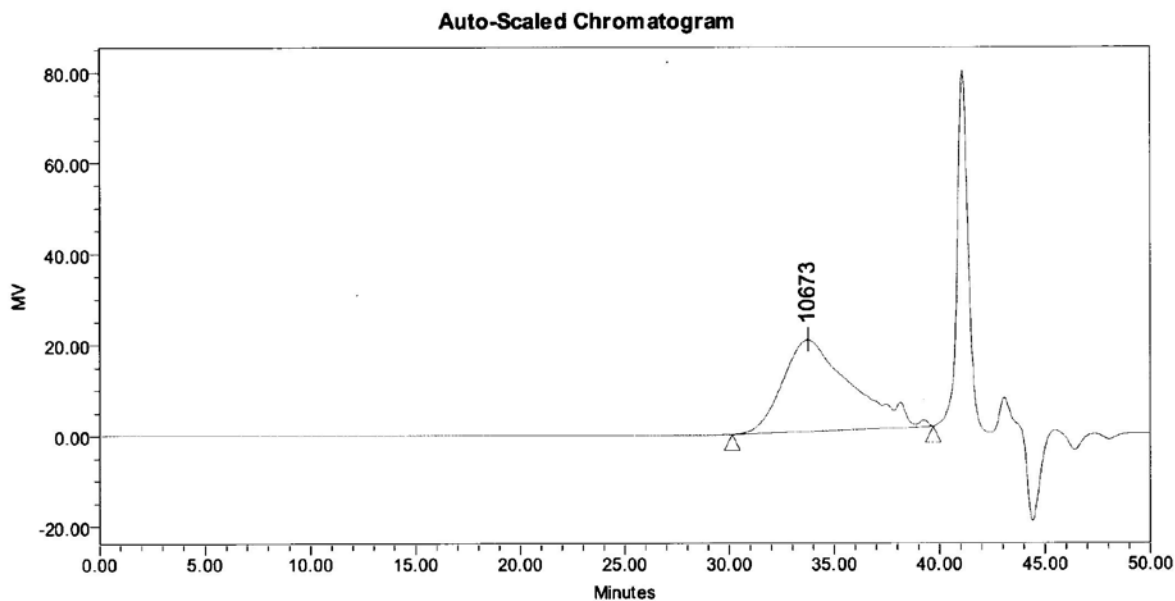
P(LLA-co-PC)80% GPC



GPC Results

Dist Name	Mn	Mw	Mv	MP	Mz	Mz+1	Poly dispersity	K	alpha
1	9106	11272		9615	14122	17543	1.237812		

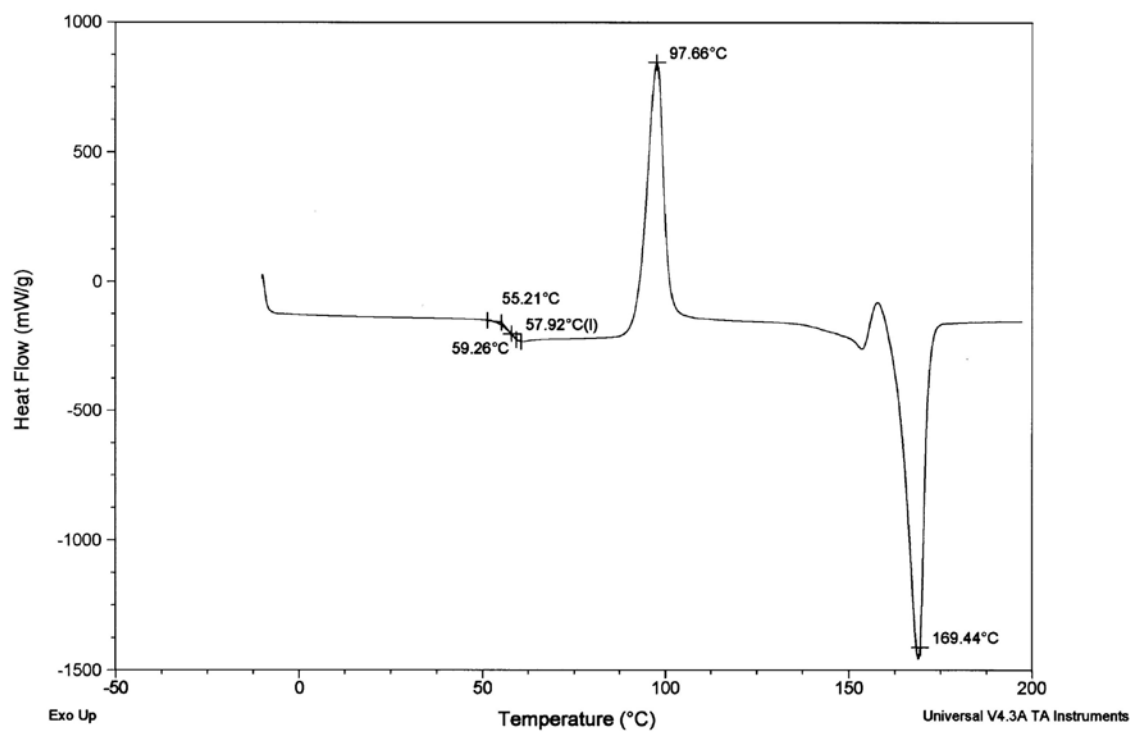
PPC GPC



GPC Results

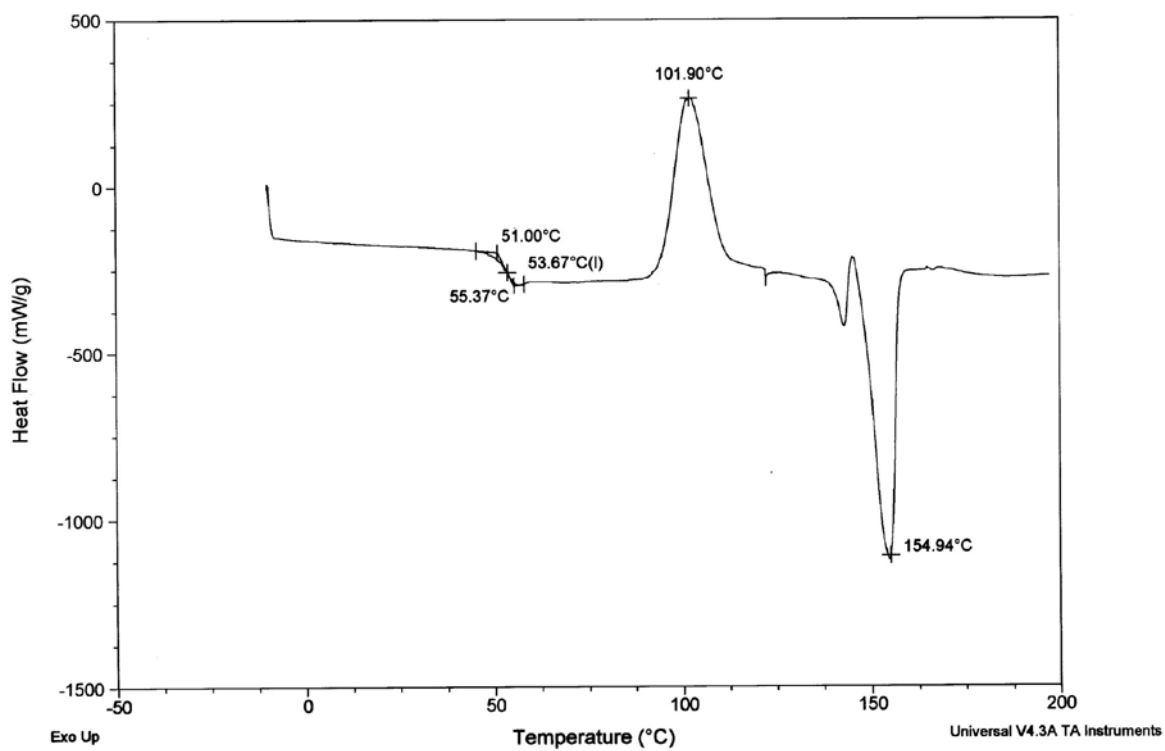
Dist Name	Mn	Mw	Mv	MP	Mz	Mz+1	Poly dispersity	K	alpha
1	5230	9423		10673	13546	17215	1.801652		

PLLA DSC



co-PC)6.4% DSC

P(LLA-



P(LLA-co-PC)21.05% DSC

