Electronic Supplementary Material (ESI) for Polymer Chemistry

SUPPLEMENTARY INFORMATION

Electronic Energy Transfer in Pendant MEH-PPV Polymers

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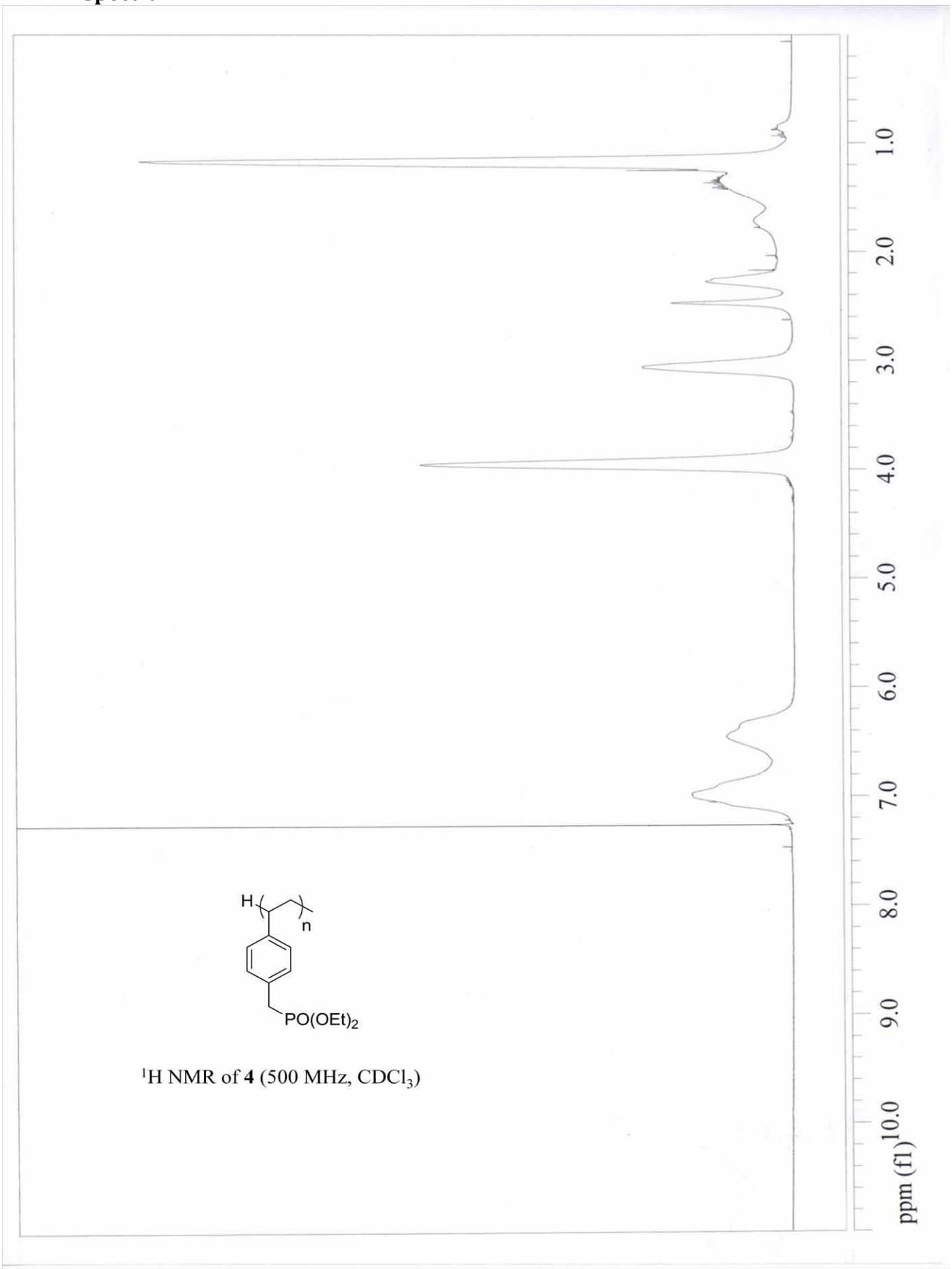
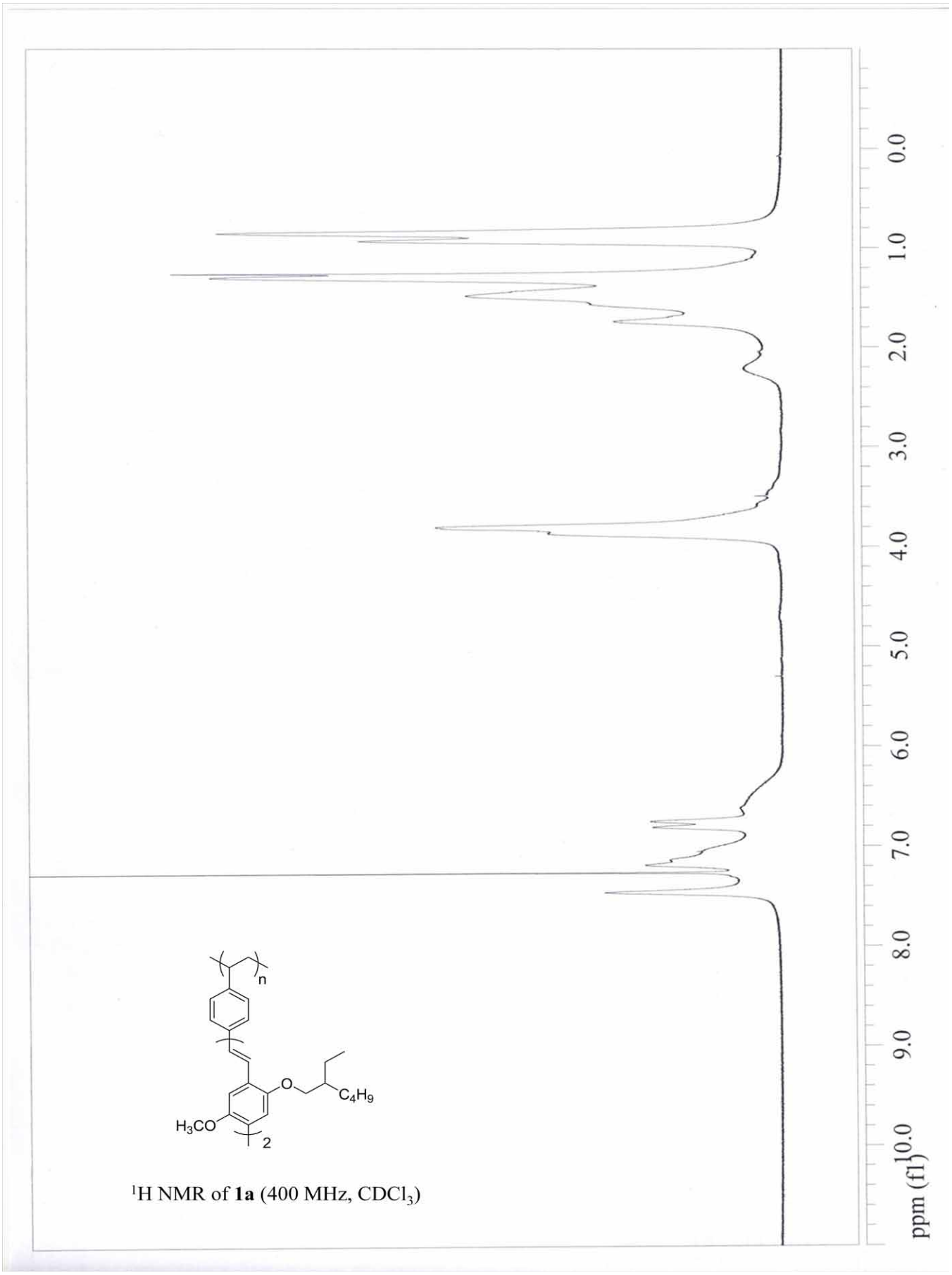
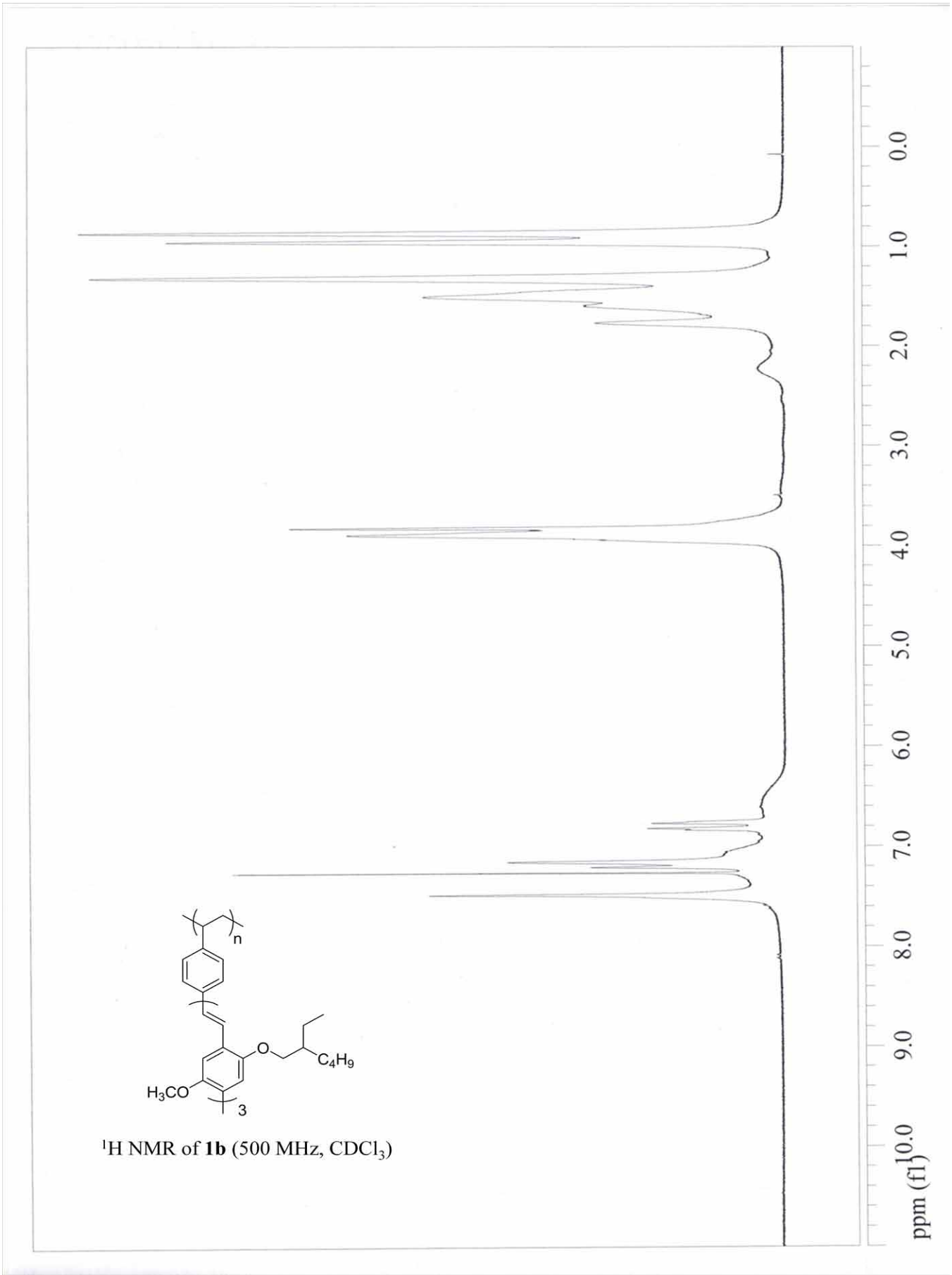
^{1}H NMR Spectra



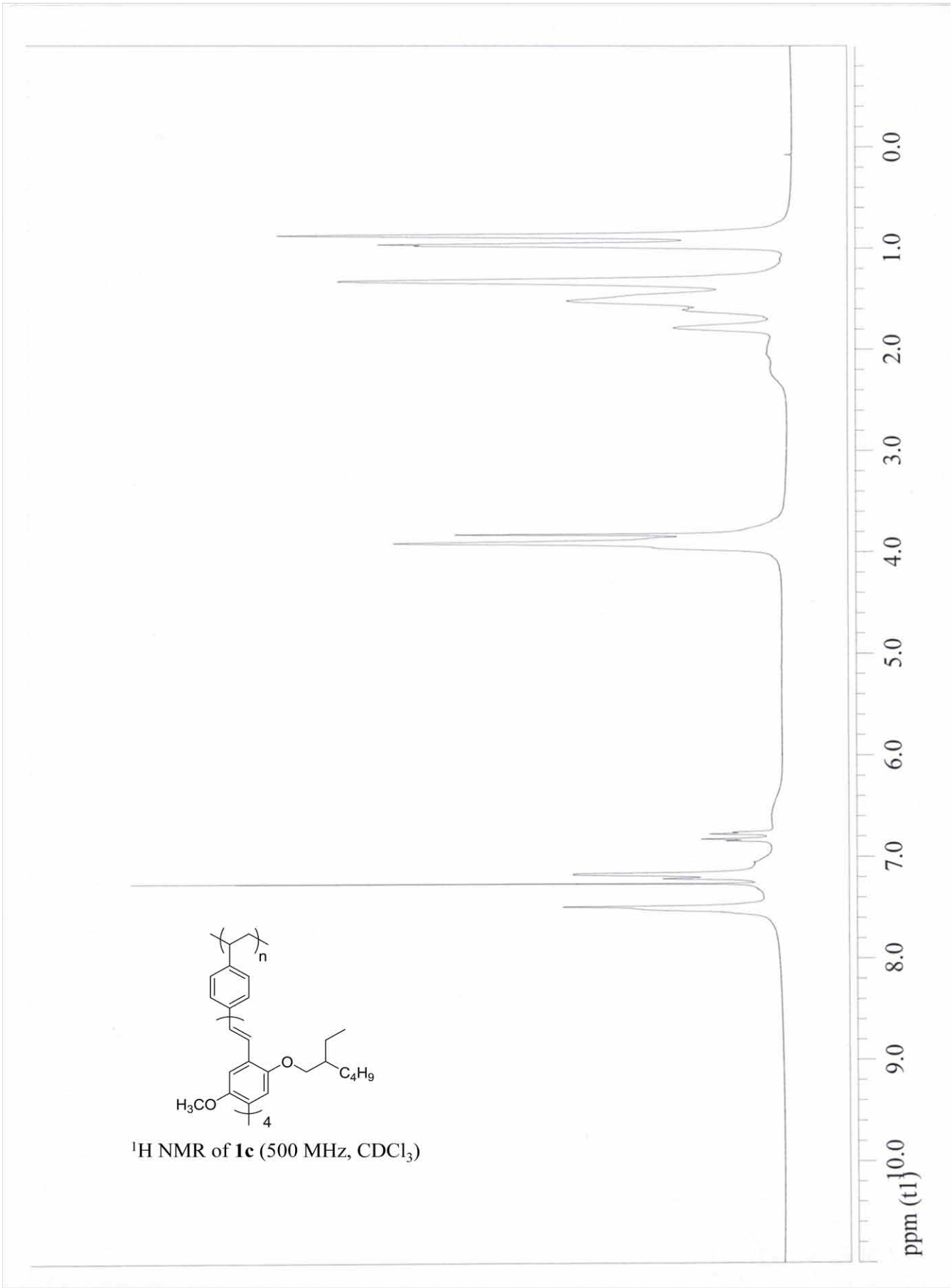
^{1}H NMR of **4** (500 MHz, $CDCl_3$)



^{1}H NMR of **1a** (400 MHz, $CDCl_3$)

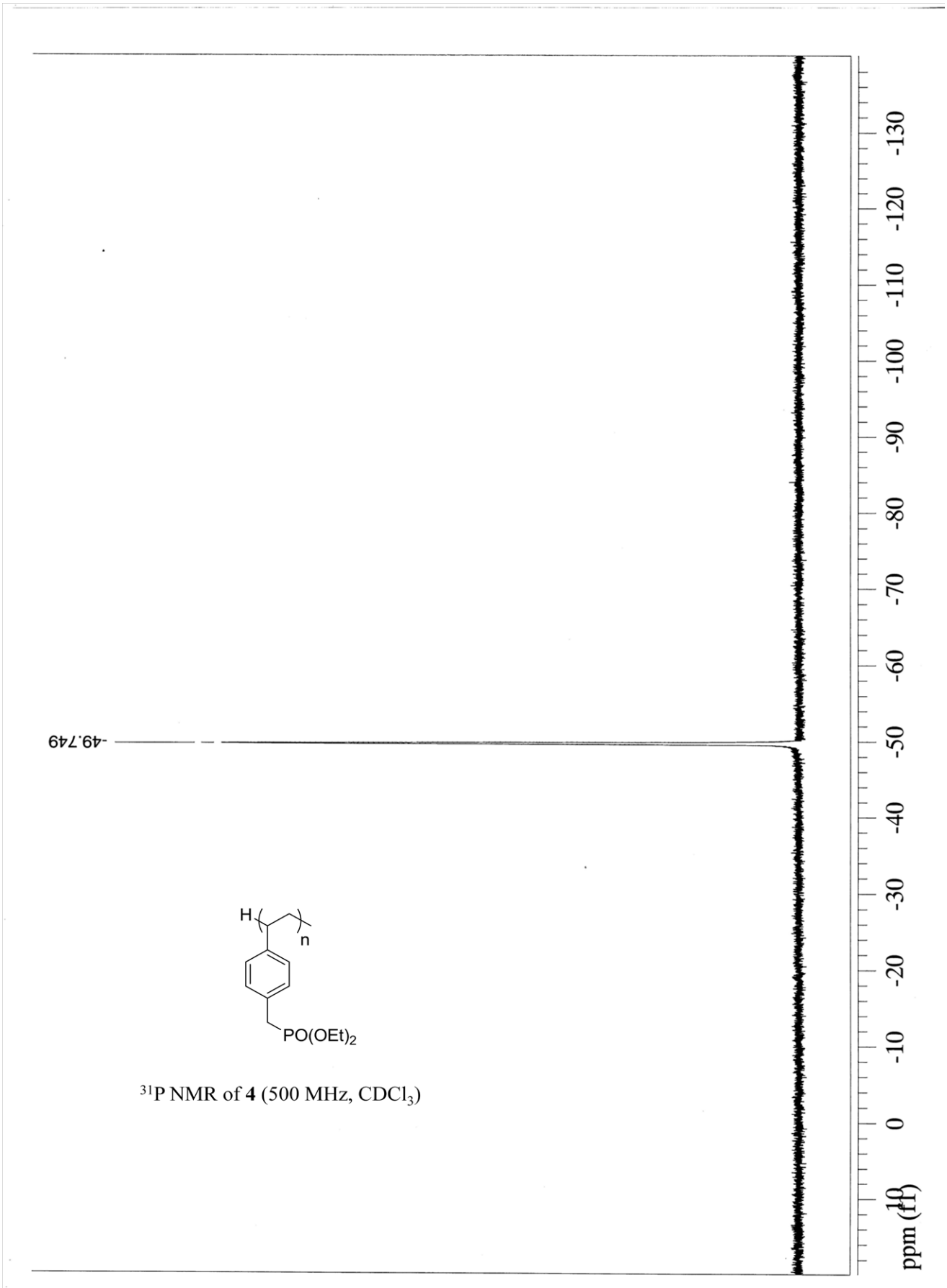


^{1}H NMR of **1b** (500 MHz, $CDCl_3$)



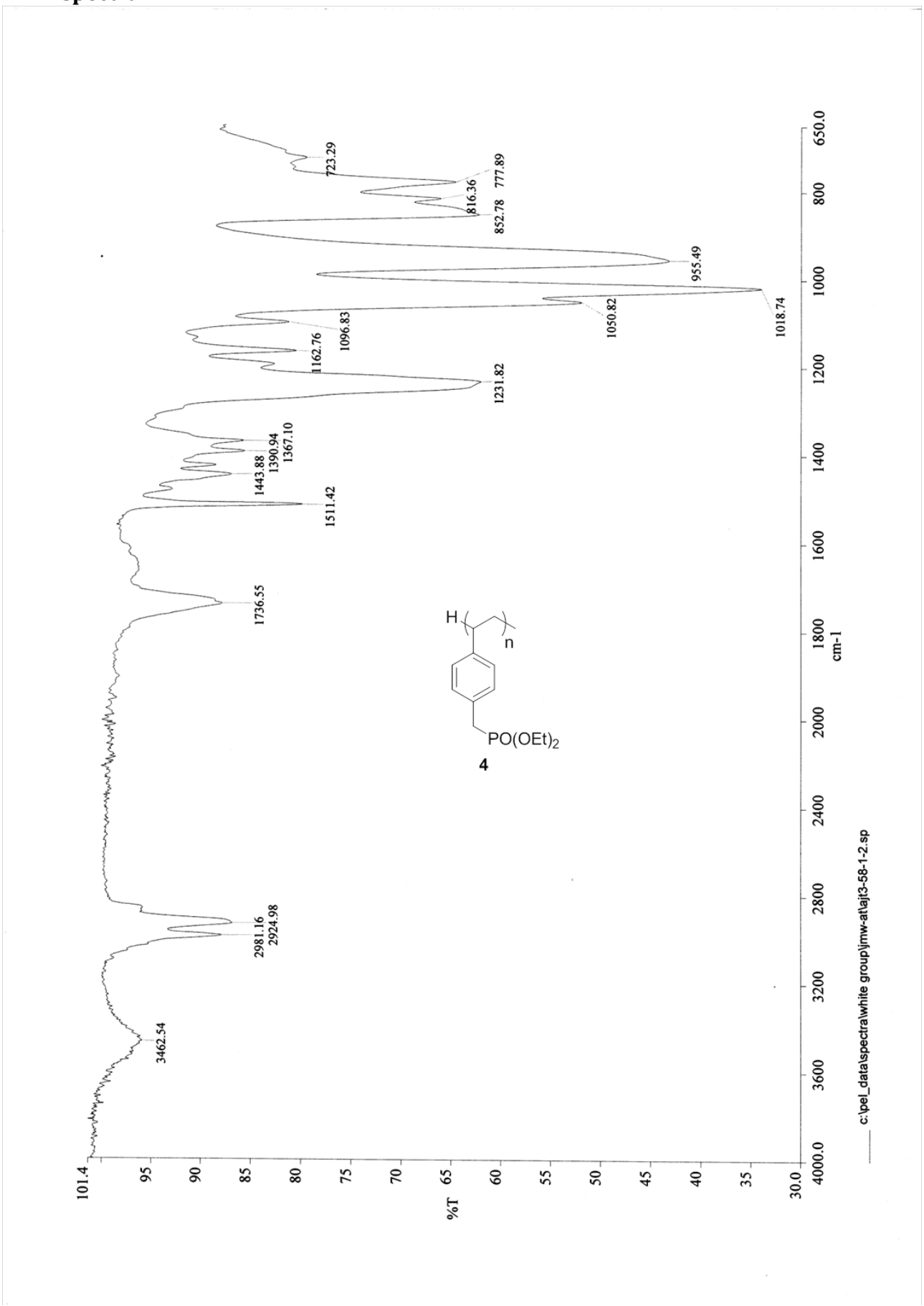
^{1}H NMR of **1c** (500 MHz, $CDCl_3$)

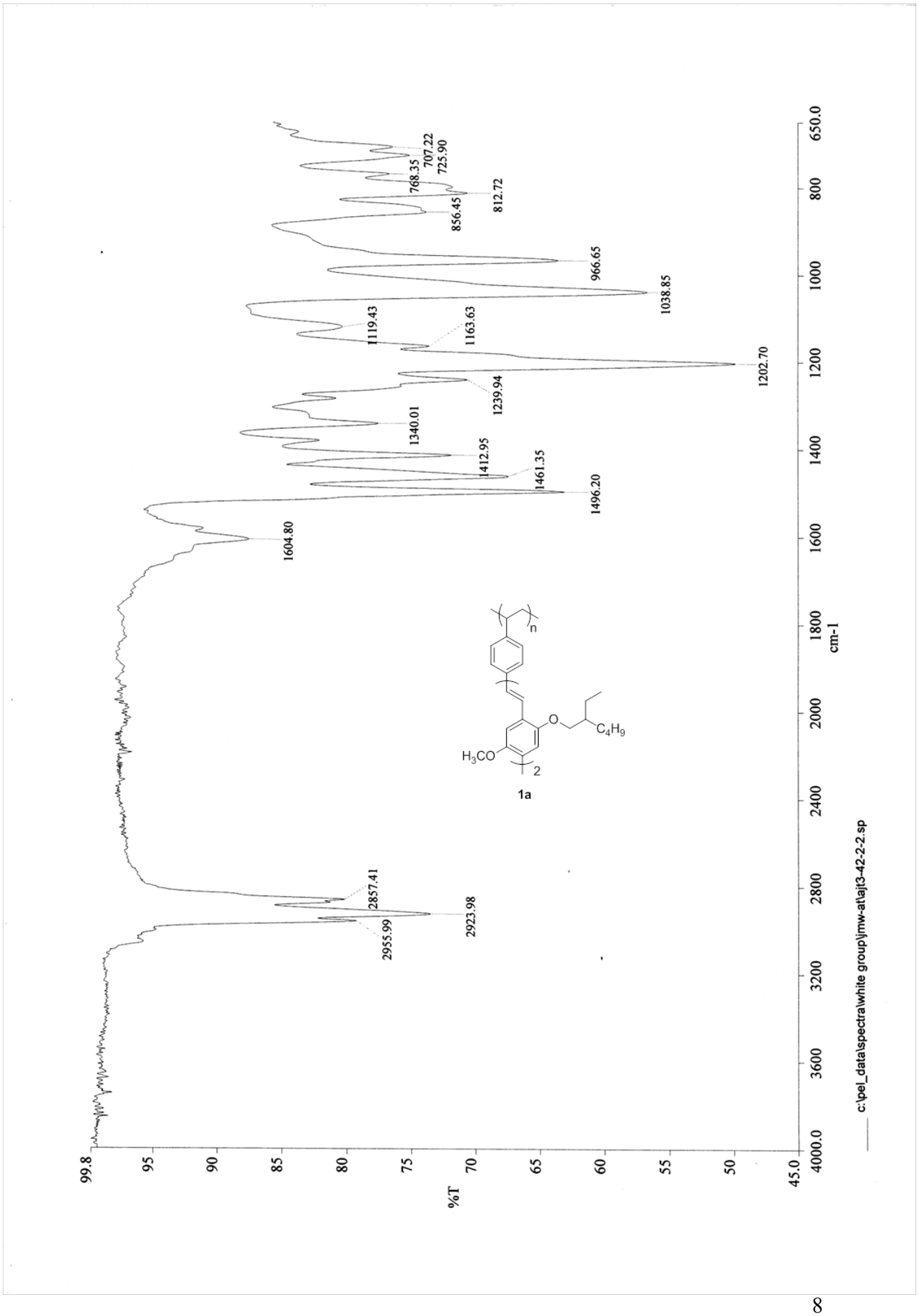
^{31}P NMR spectrum



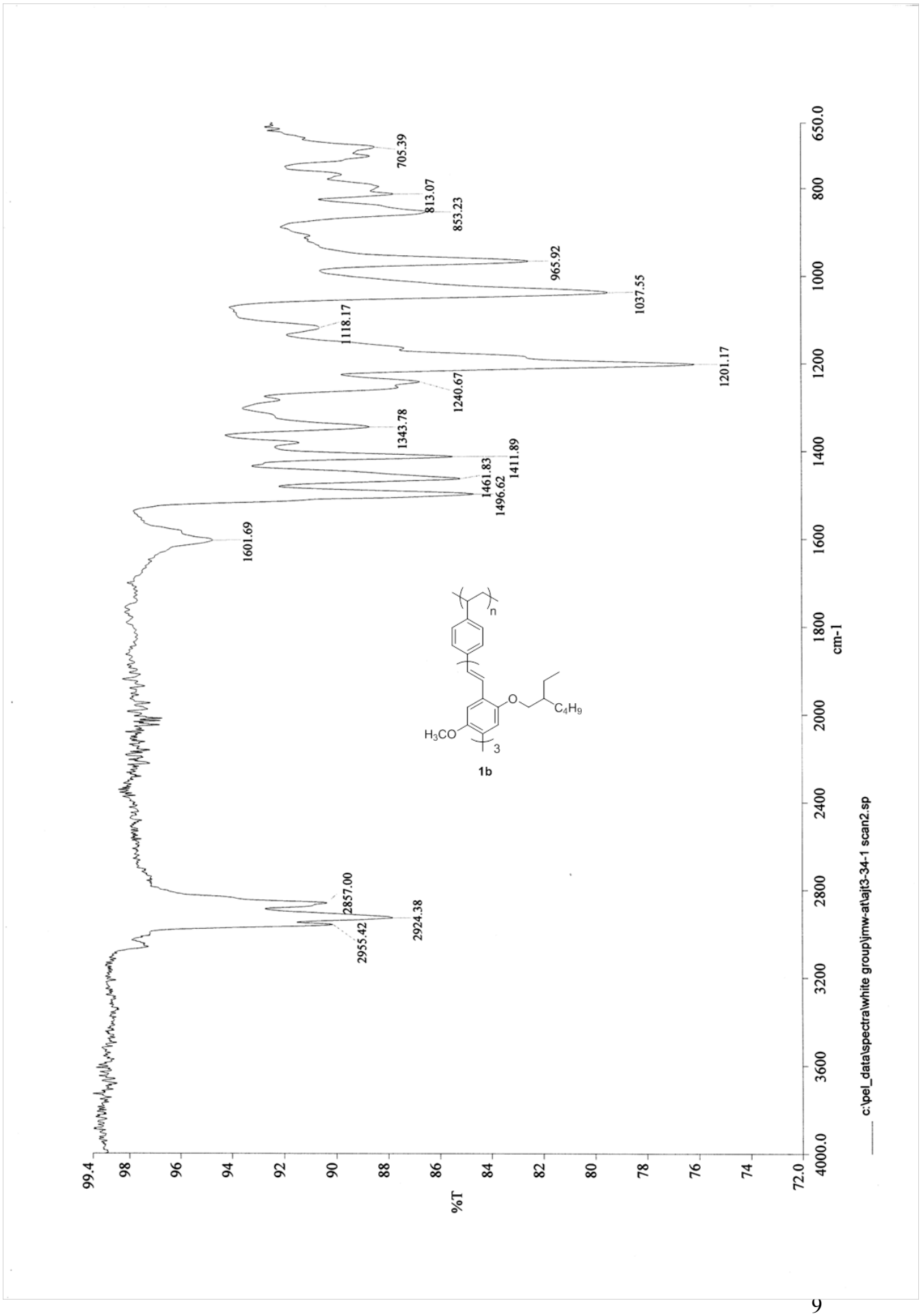
^{31}P NMR of **4** (500 MHz, $CDCl_3$)

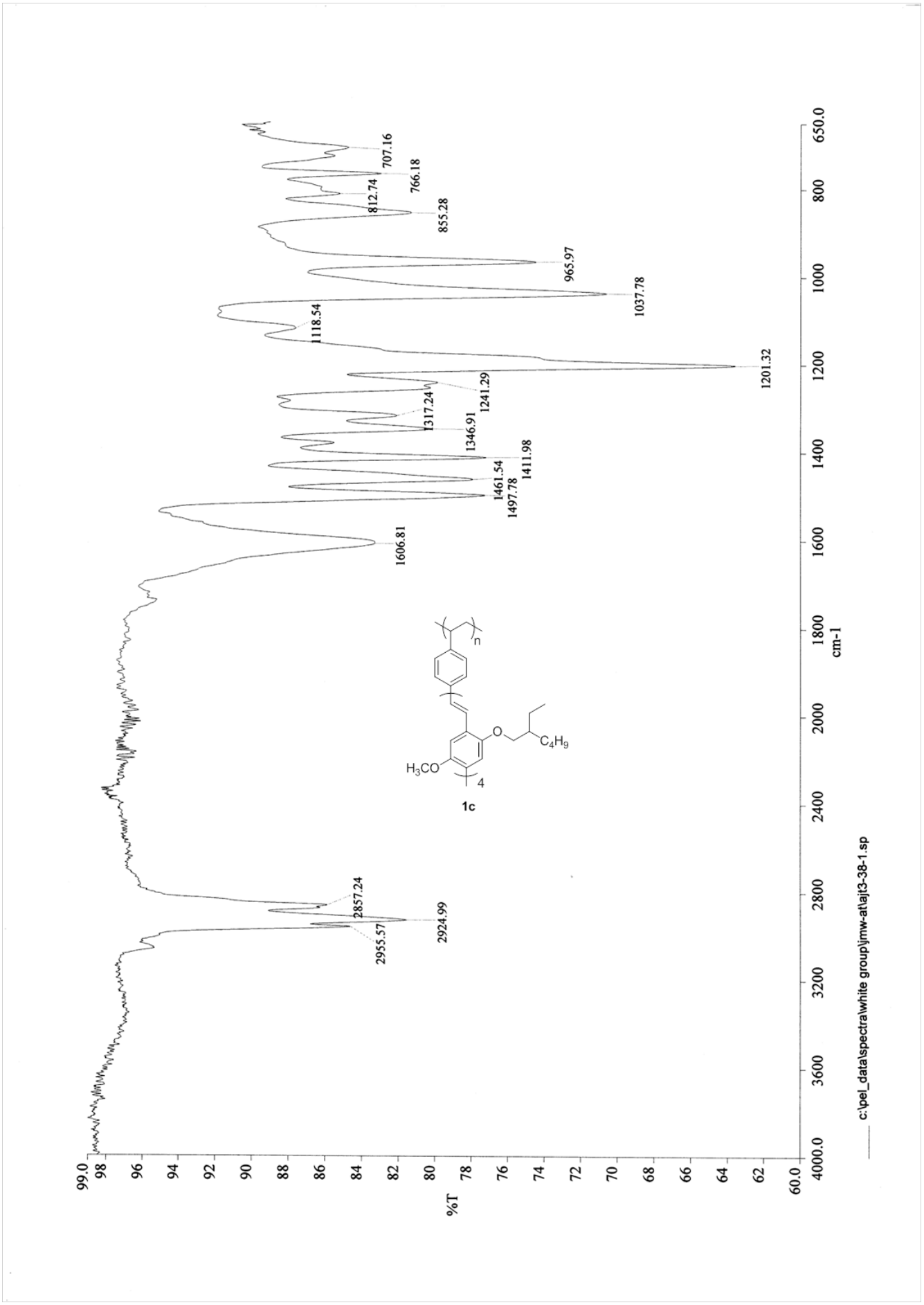
FT-IR spectra





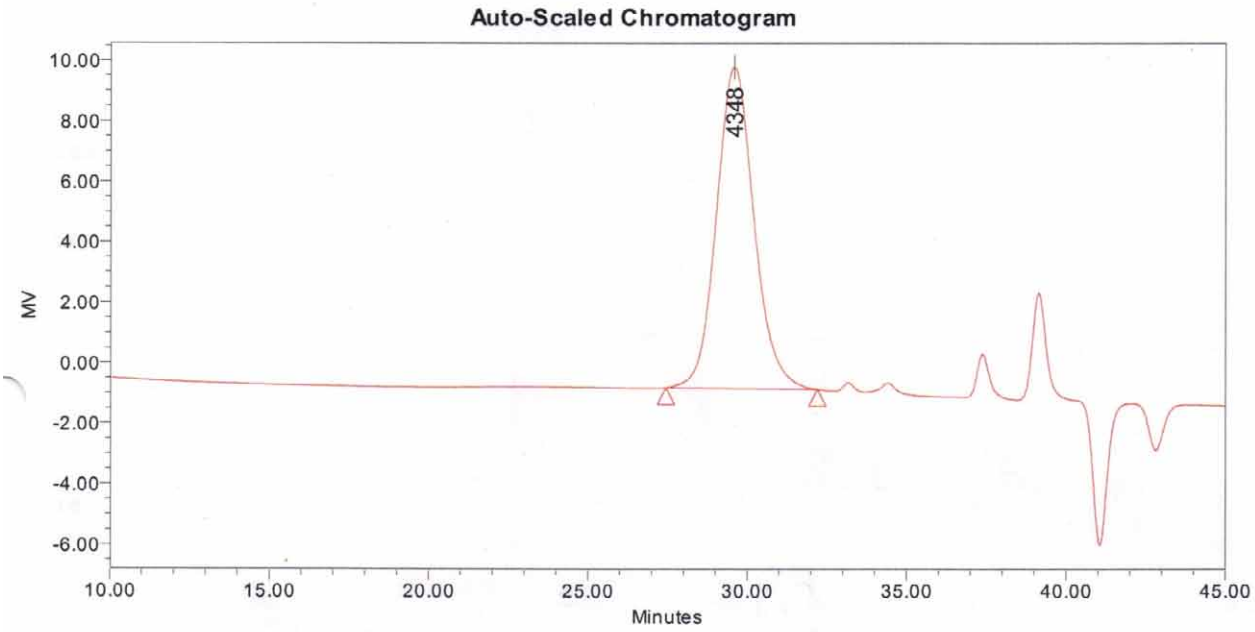
1a





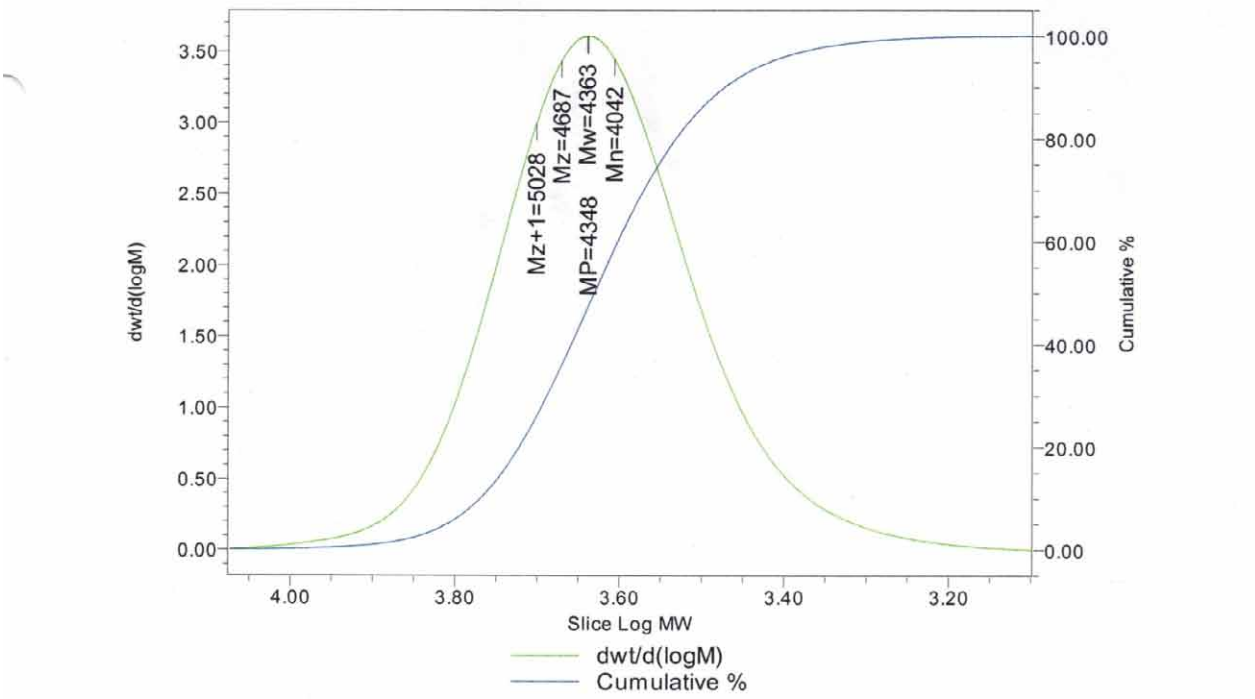
1c

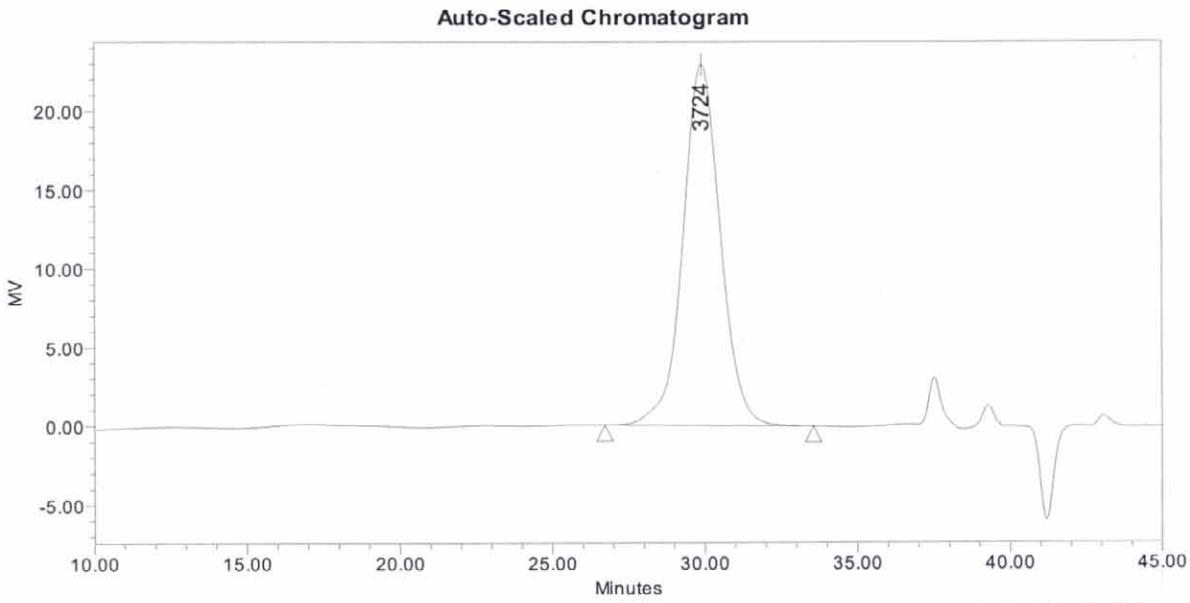
GPC Traces



GPC Results

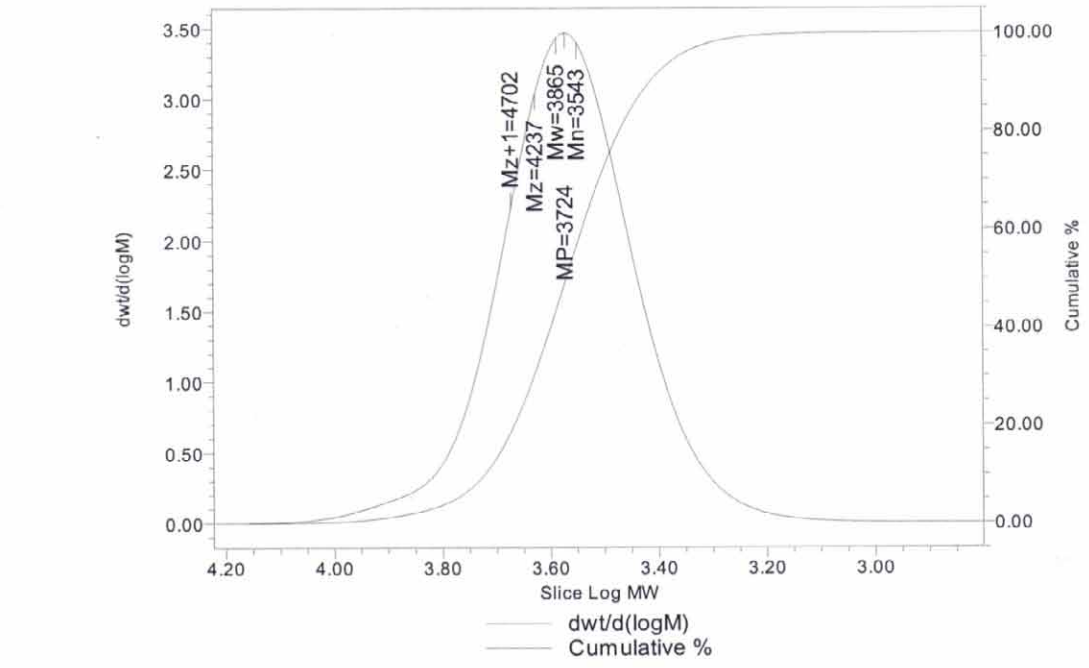
	Retention Time	Adjusted RT	Mn	Mw	MP	Mz	Mz+1	Polydispersity	Baseline Start	Baseline End
1	29.580	29.580	4042	4363	4348	4687	5028	1.079322	27.433	32.200

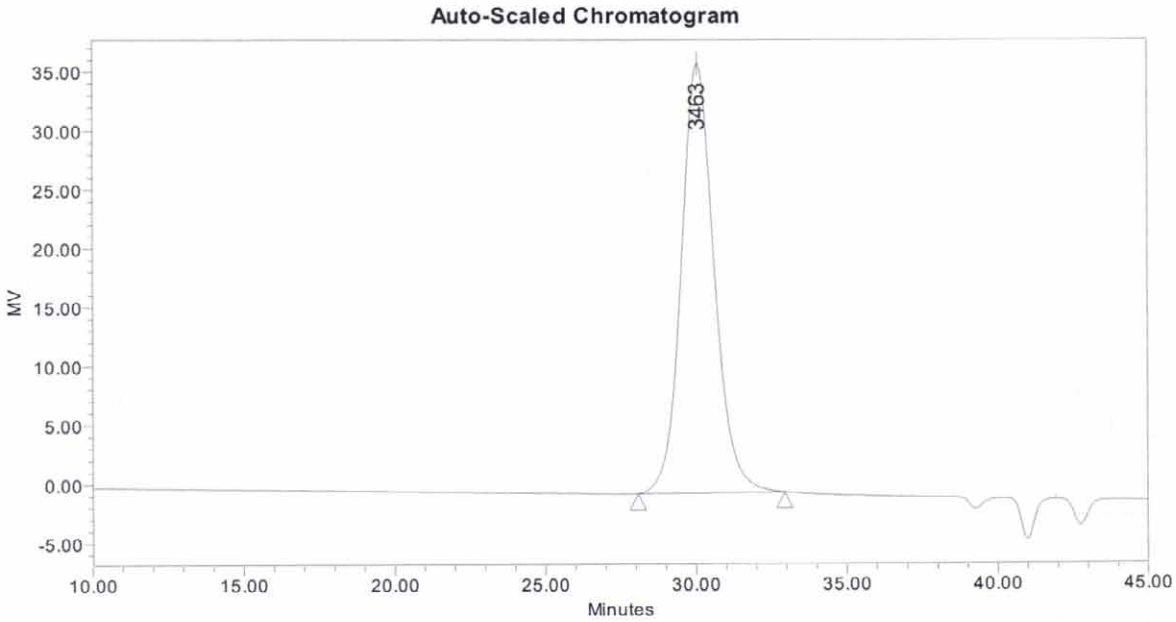




GPC Results

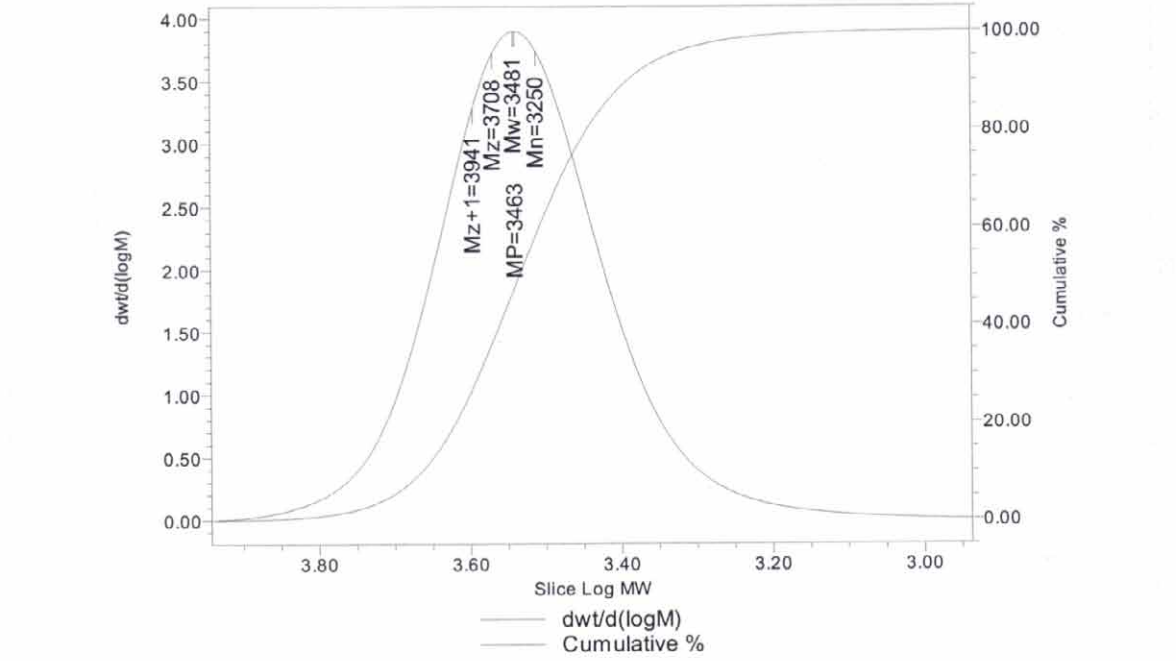
	Retention Time	Adjusted RT	Mn	Mw	MP	Mz	Mz+1	Polydispersity	Baseline Start	Baseline End
1	29.912	29.912	3543	3865	3724	4237	4702	1.090965	26.733	33.567

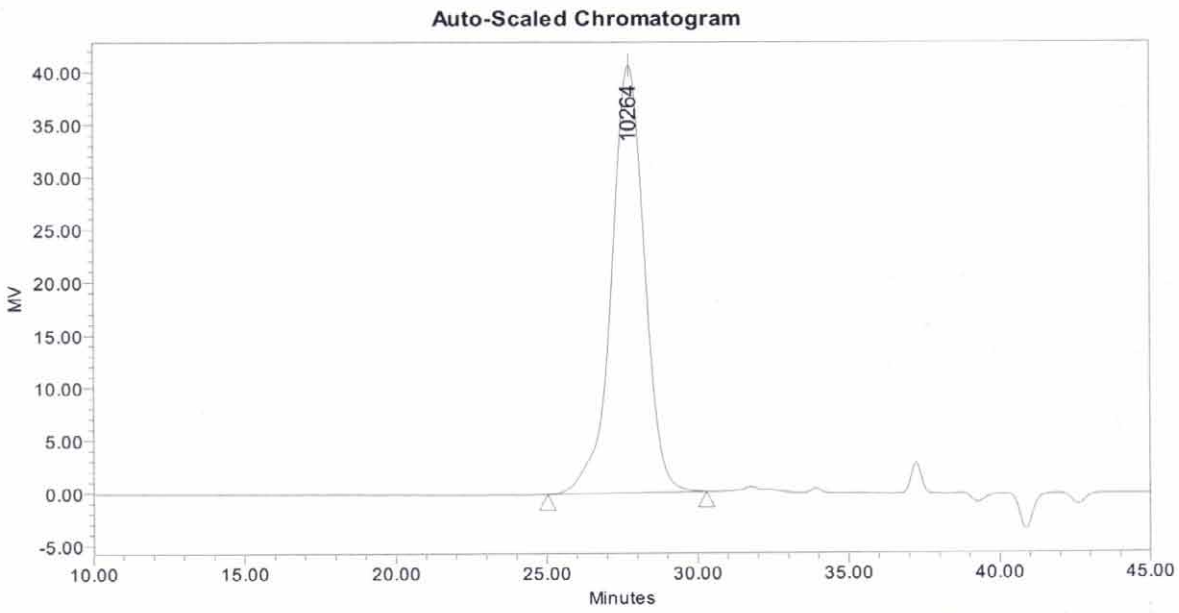




GPC Results

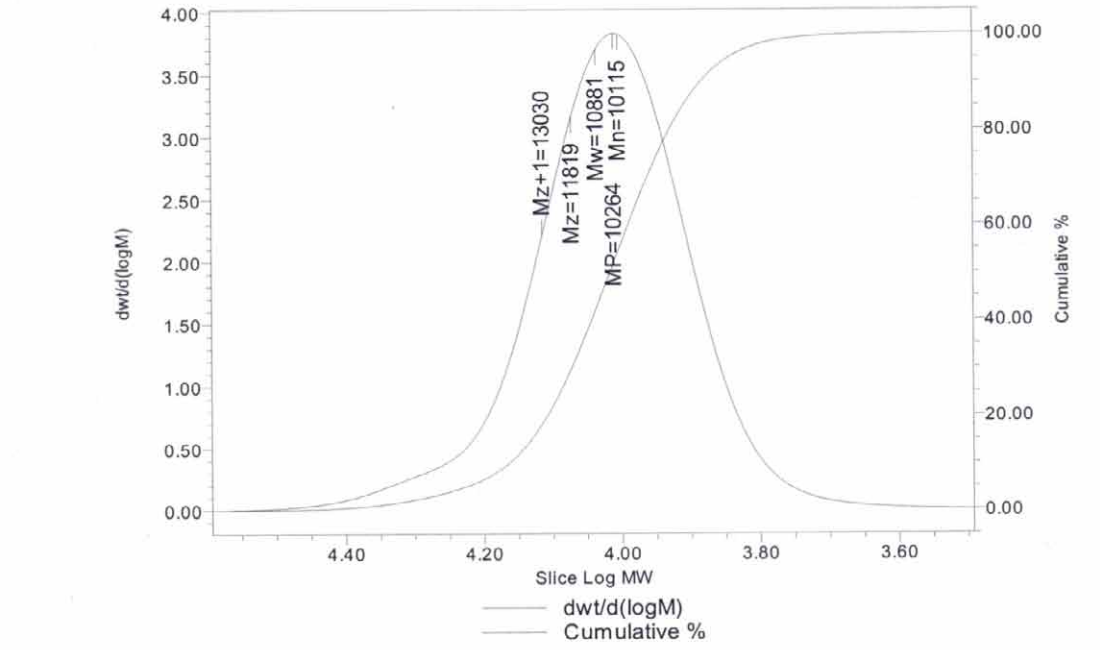
	Retention Time	Adjusted RT	Mn	Mw	MP	Mz	Mz+1	Polydispersity	Baseline Start	Baseline End
1	30.068	30.068	3250	3481	3463	3708	3941	1.070950	28.083	32.950

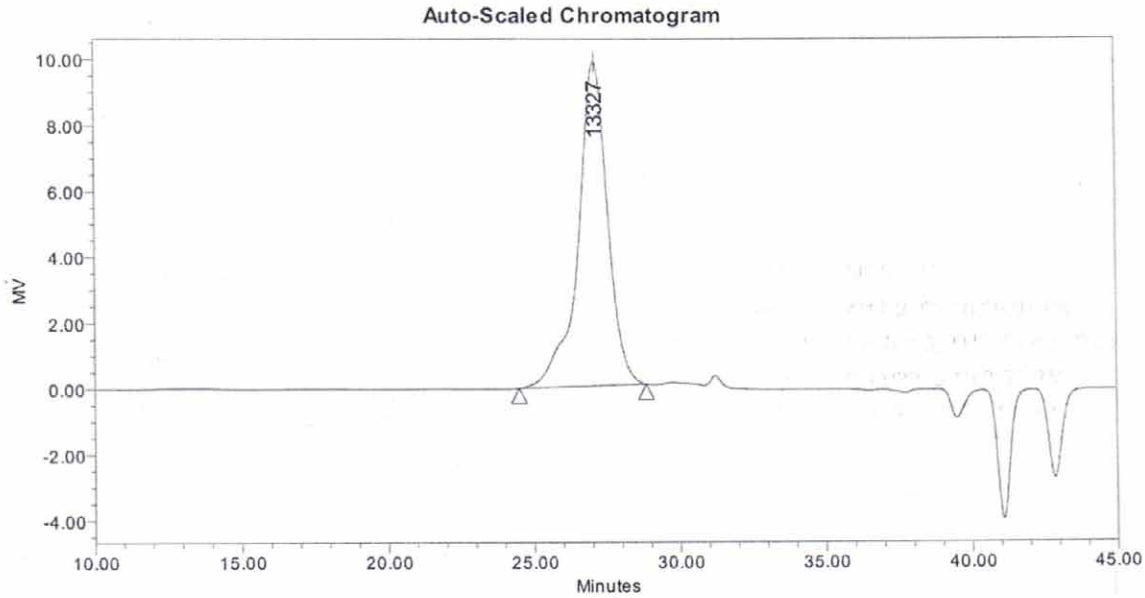




GPC Results

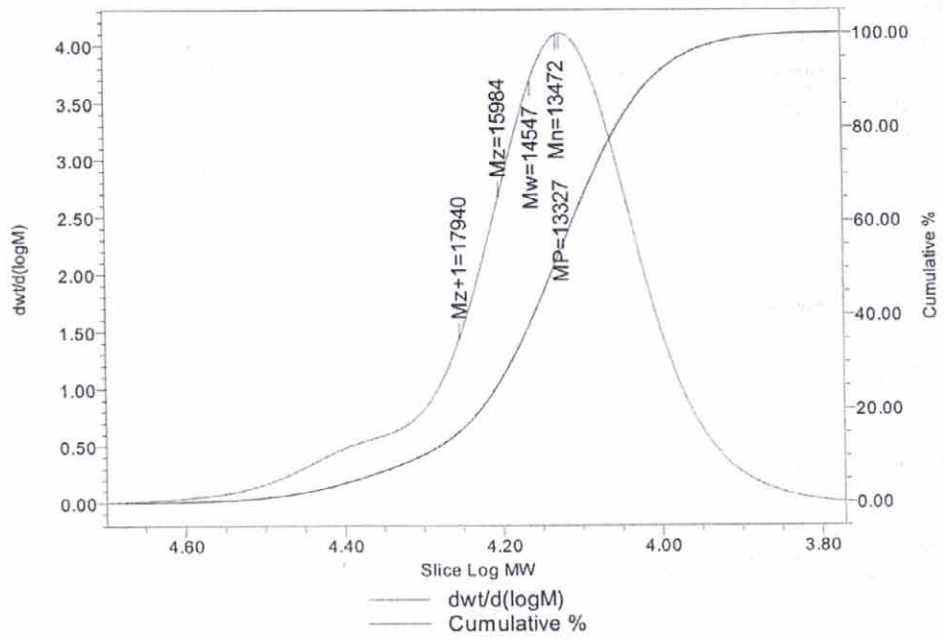
	Retention Time	Adjusted RT	Mn	Mw	MP	Mz	Mz+1	Polydispersity	Baseline Start	Baseline End
1	27.746	27.746	10115	10881	10264	11819	13030	1.075762	25.033	30.300

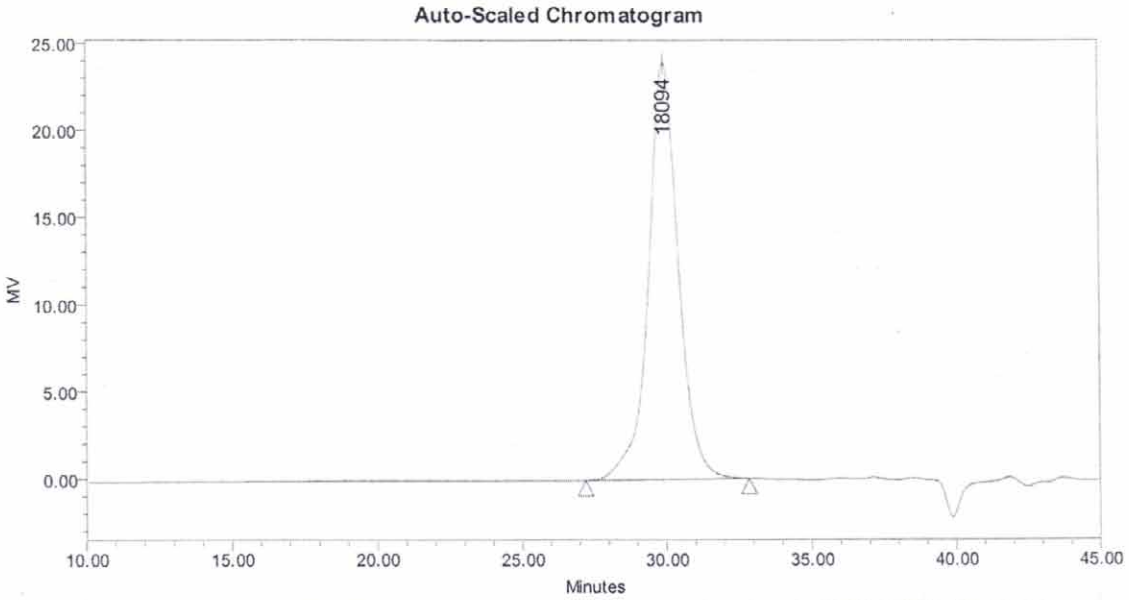




GPC Results

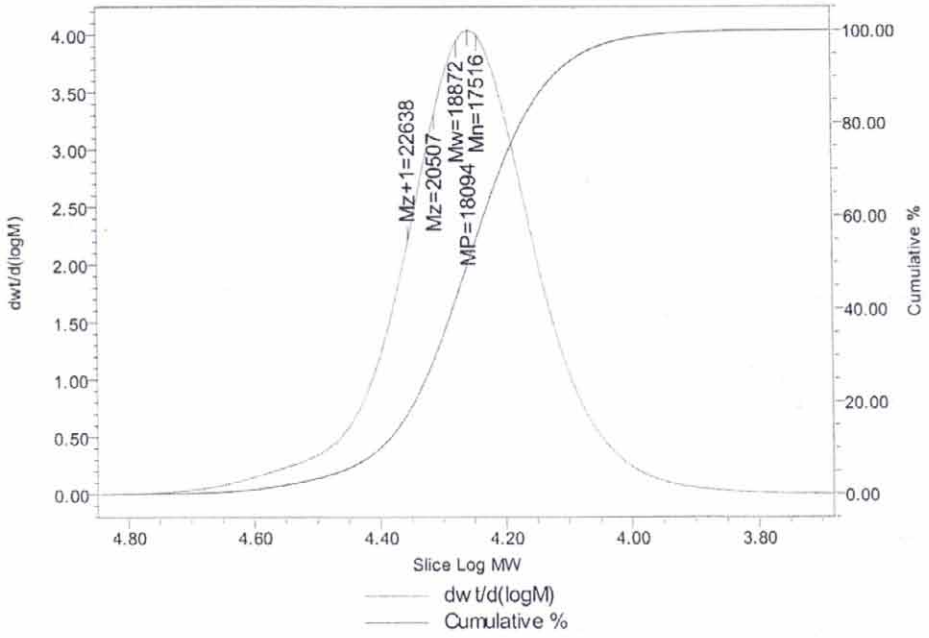
	Retention Time	Adjusted RT	Mn	Mw	MP	Mz	Mz+1	Polydispersity	Baseline Start	Baseline End
1	27.118	27.118	13472	14547	13327	15984	17940	1.079752	24.517	28.867





GPC Results

	Retention Time	Adjusted RT	Mn	Mw	MP	Mz	Mz+1	Poly dispersity	Baseline Start	Baseline End
1	29.936	29.936	17516	18872	18094	20507	22638	1.077396	27.200	32.867



Fluorescence decays

Decay profiles are fitted to a double exponential function with extracted lifetimes, pre-exponential weightings and chi-square fitting parameters provided in Table 1 of the paper.