

Supporting Information

for

**Functionalisation of MWCNTs with
poly(lauryl acrylate) polymerised by Cu(0)-mediated
and RAFT methods**

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Supplementary Figures

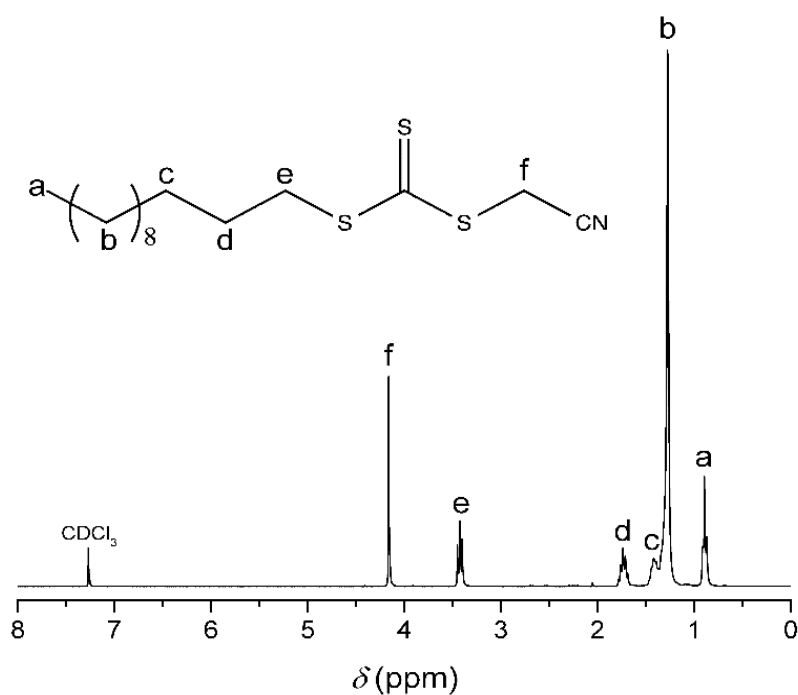


Fig. S1 ¹H NMR spectrum of cyanomethyl dodecyltrithiocarbonate recorded in CDCl₃.

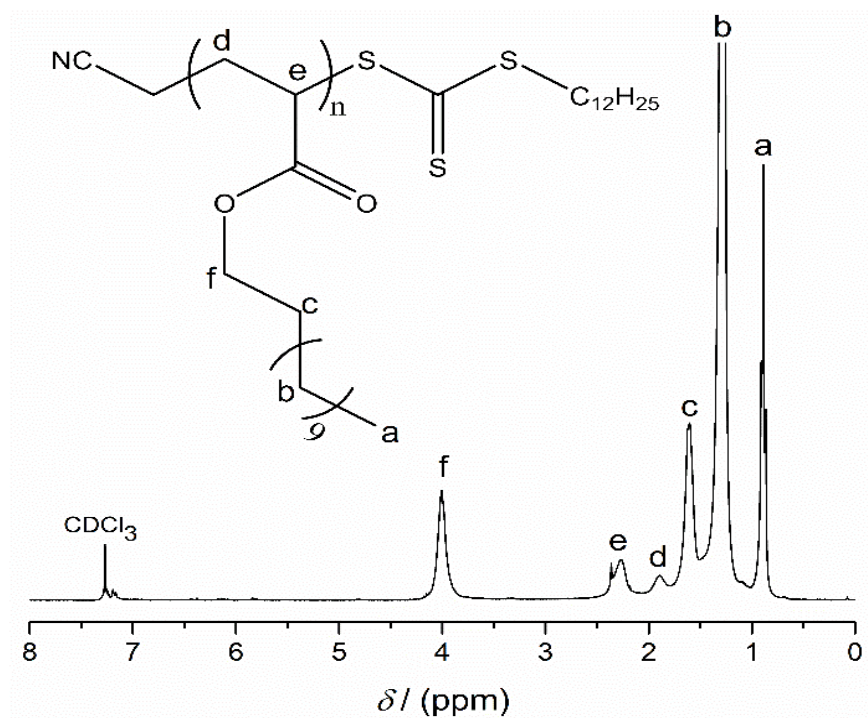


Fig. S2 ¹H NMR spectrum of P[LA] synthesised *via* RAFT using cyanomethyl dodecyltrithiocarbonate RAFT agent.

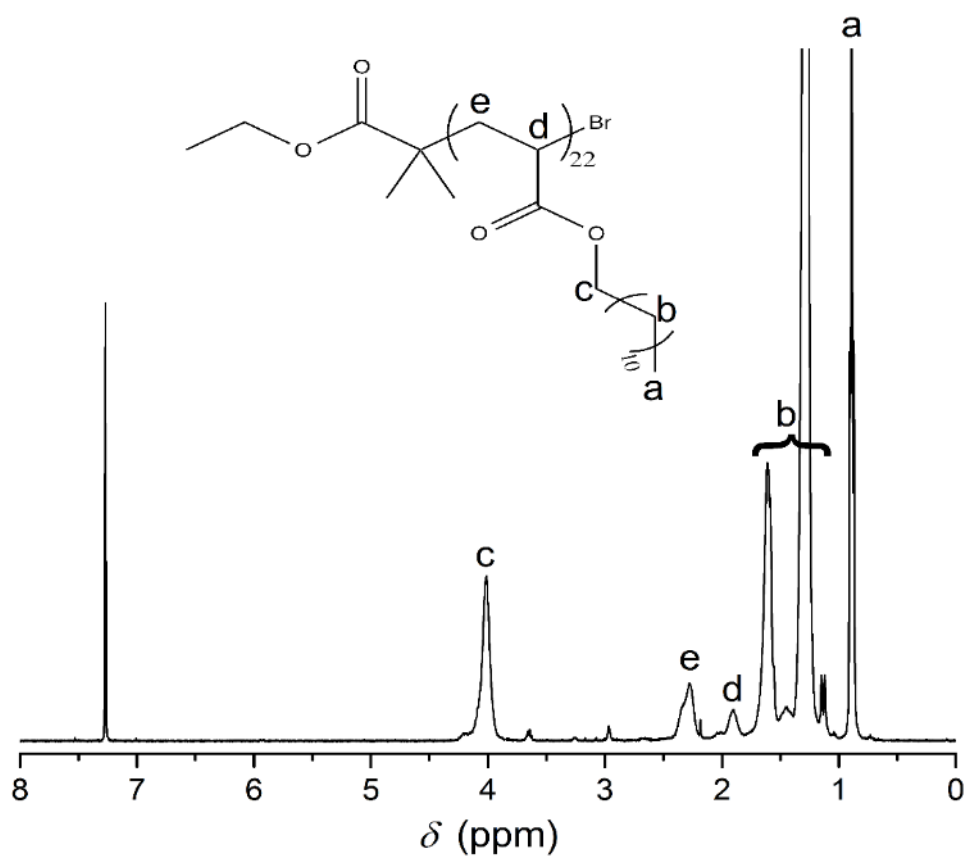


Fig S3. ¹H NMR spectra of P[LA] recorded in CDCl₃ synthesised *via* Cu(0)-mediated polymerisation.

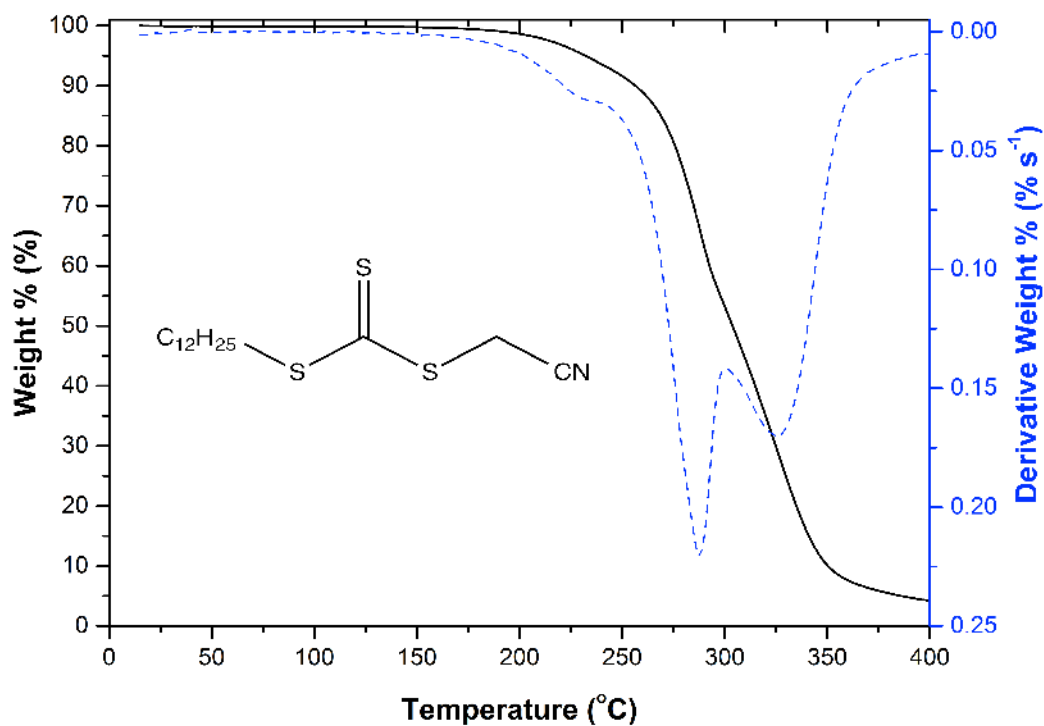


Fig. S4 TGA of cyanomethyl dodecyltrithiocarbonate.

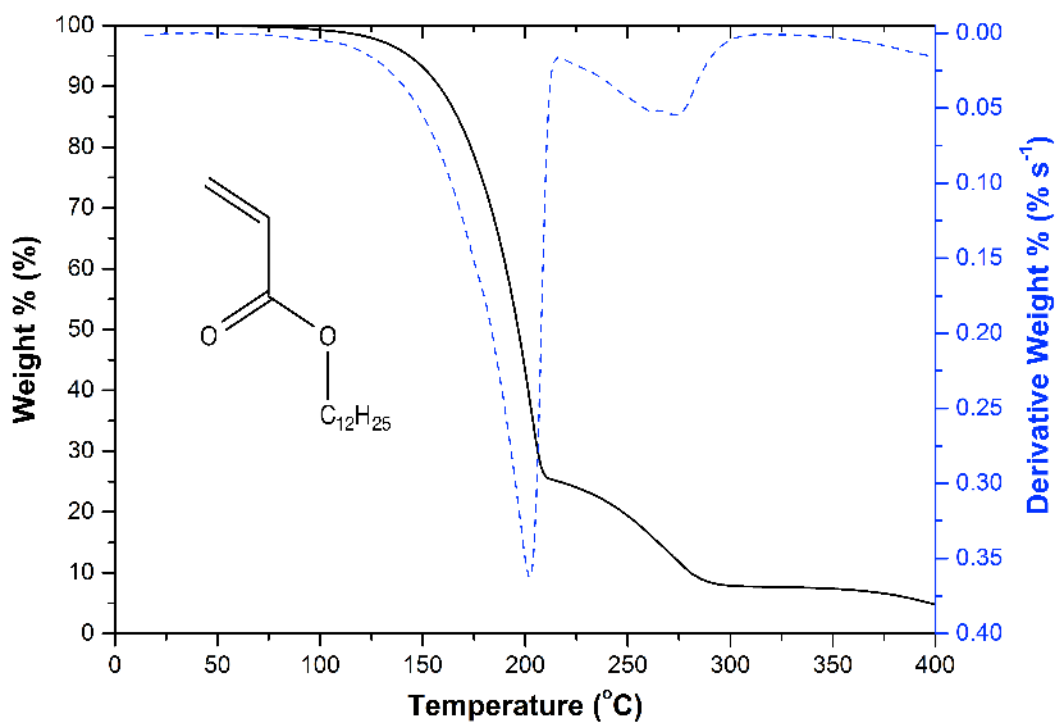


Fig. S5 TGA of lauryl acrylate.

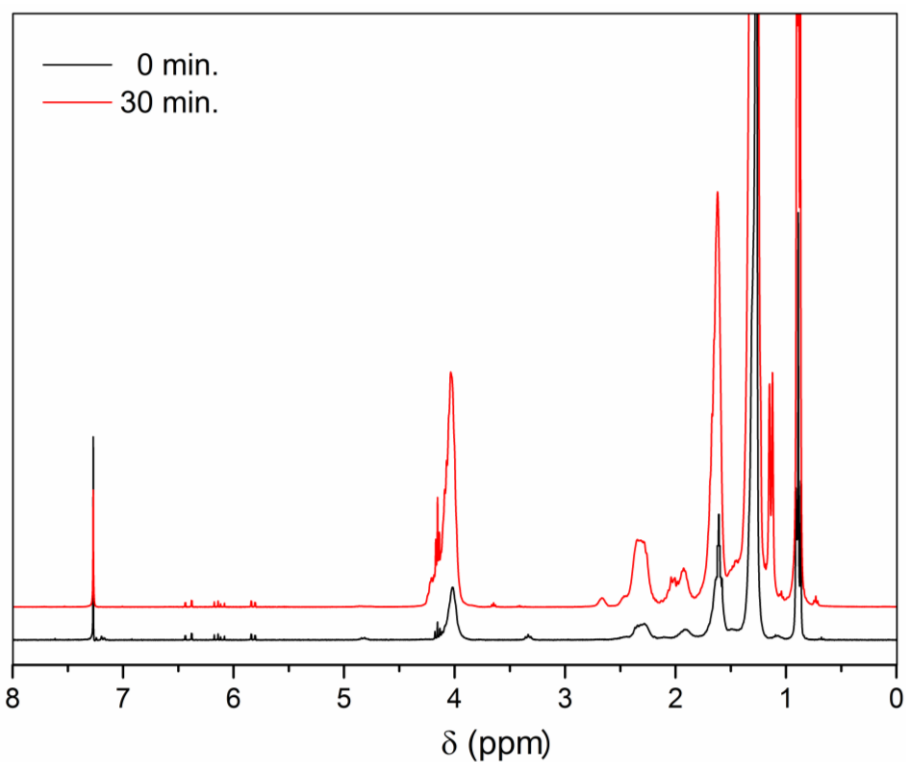


Fig. S6 NMR of P[LA] synthesised *via* RAFT ($M_{n, SEC} = 2.5$ kDa, $D = 1.13$) before and after thermal treatment at 200 °C under an air atmosphere as a function of time.

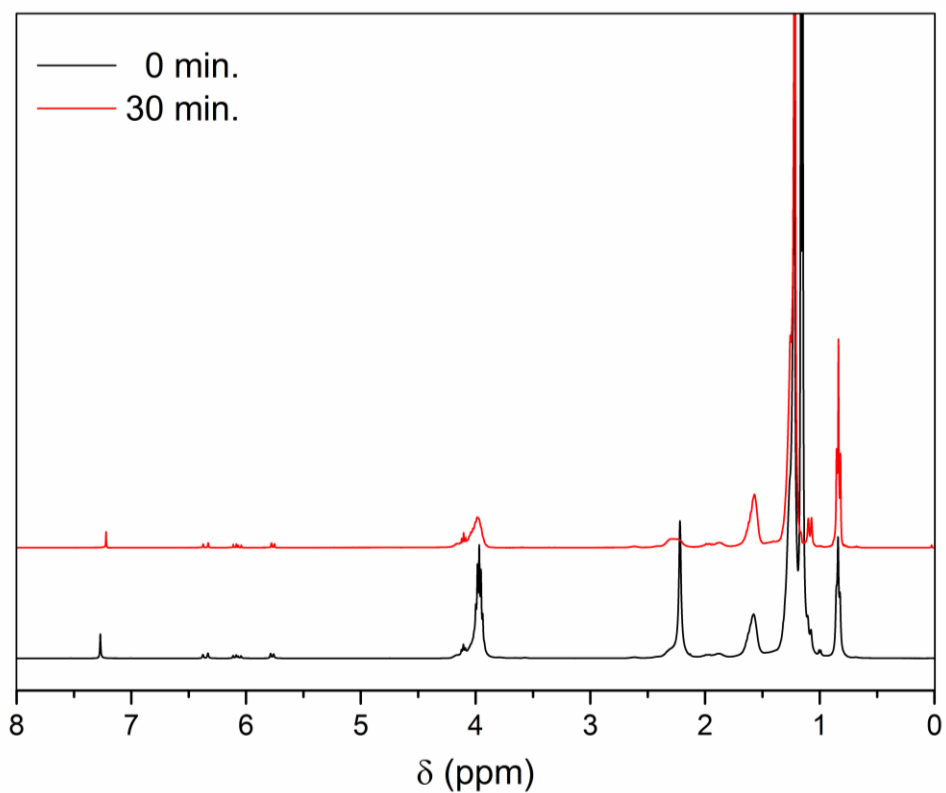


Fig. S7 NMR of P[LA] synthesised *via* Cu(0)-mediated polymerisation ($M_{n, SEC} = 2.1$ kDa, $\mathcal{D} = 1.11$) before and after thermal treatment at 200 °C under an air atmosphere as a function of time.