

Electronic Supplementary Information for Chemical Communications-2nd
Part

Catch and release microwave mediated synthesis of cyanine dyes

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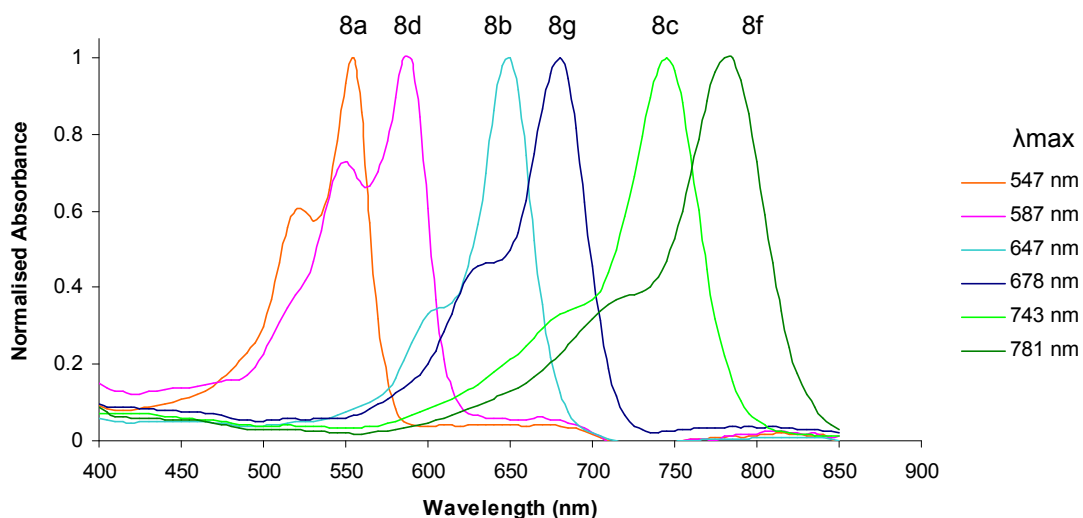


Figure 1 Normalised absorbance spectra of cyanine dyes prepared on solid phase

Trimethine dye 8a

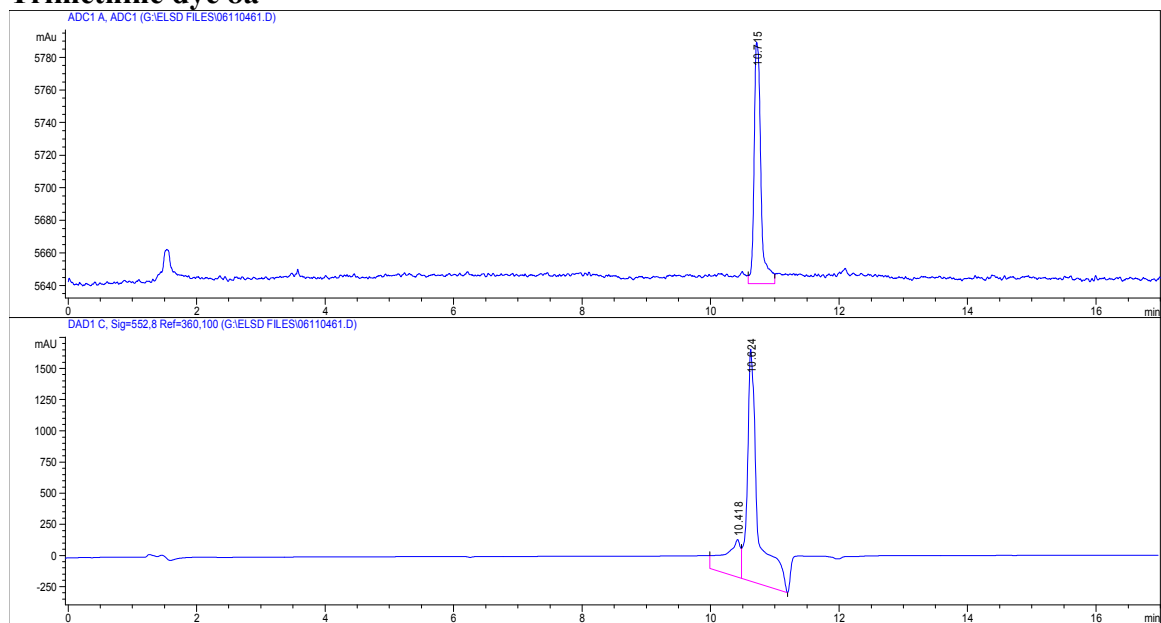


Figure 2 HPLC trace of crude trimethine dye 8a. Detection: ELSD and at $\lambda = 550$ nm.

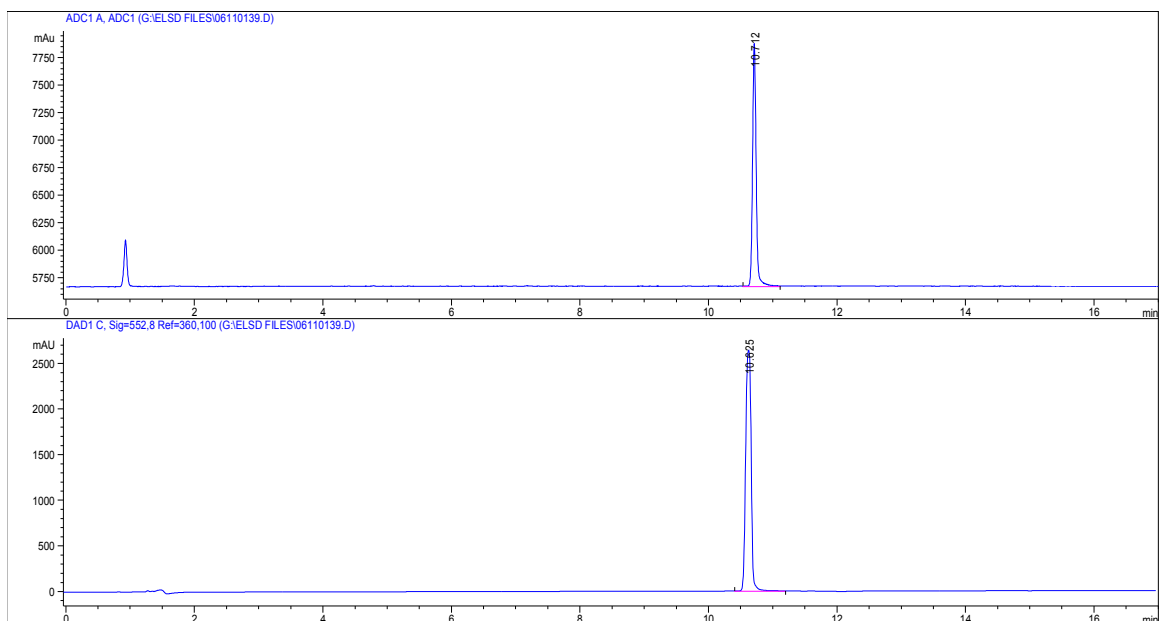


Figure 3 HPLC trace of trimethine dye 8a after chromatographic purification. Detection: ELSD and at $\lambda = 550$ nm.

Pentamethine dye 8b

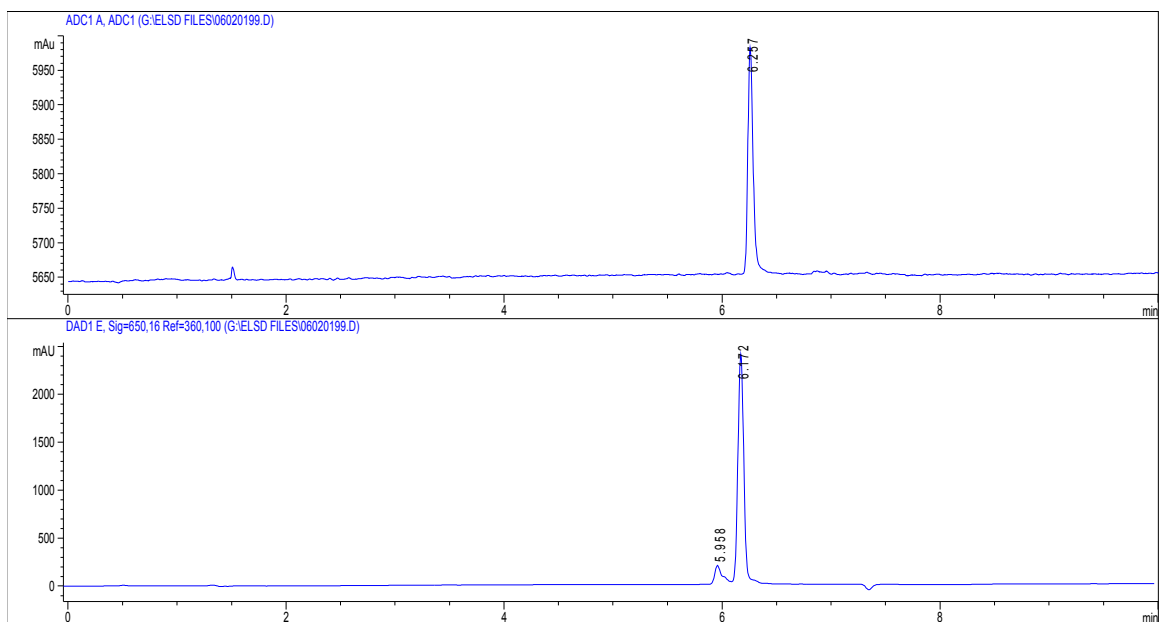


Figure 4 HPLC trace of crude pentamethine dye 8b. Detection: ELSD and at $\lambda = 650$ nm.

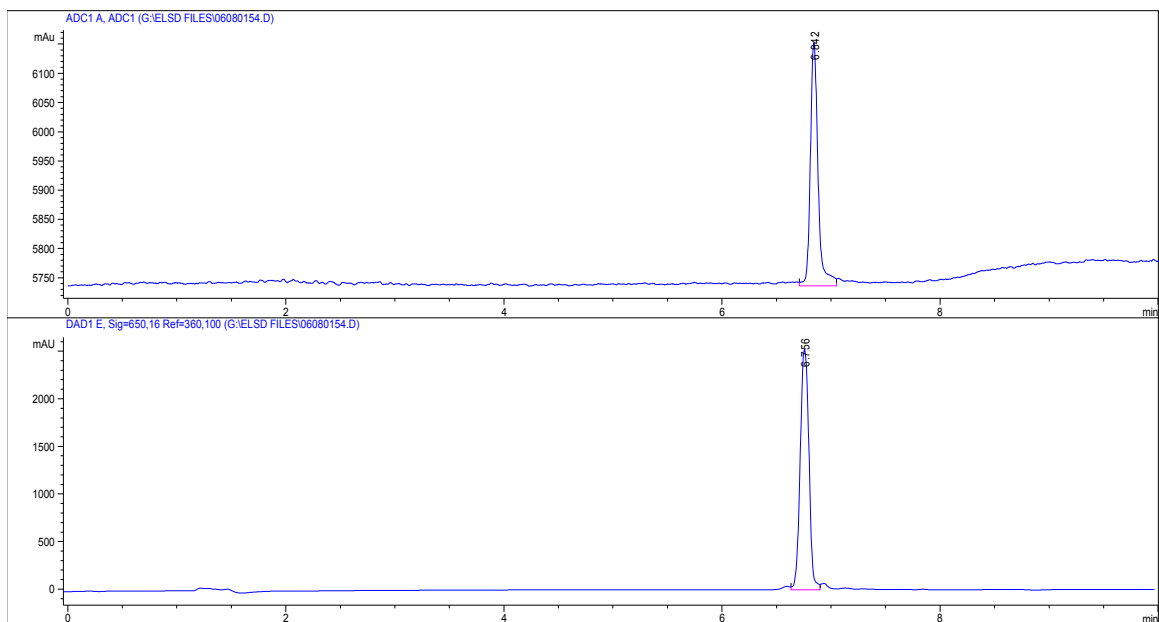


Figure 5 HPLC trace of pentamethine dye **8b** after chromatographic purification. Detection: ELSD and at $\lambda = 650$ nm.

Heptamethine dye **8c**

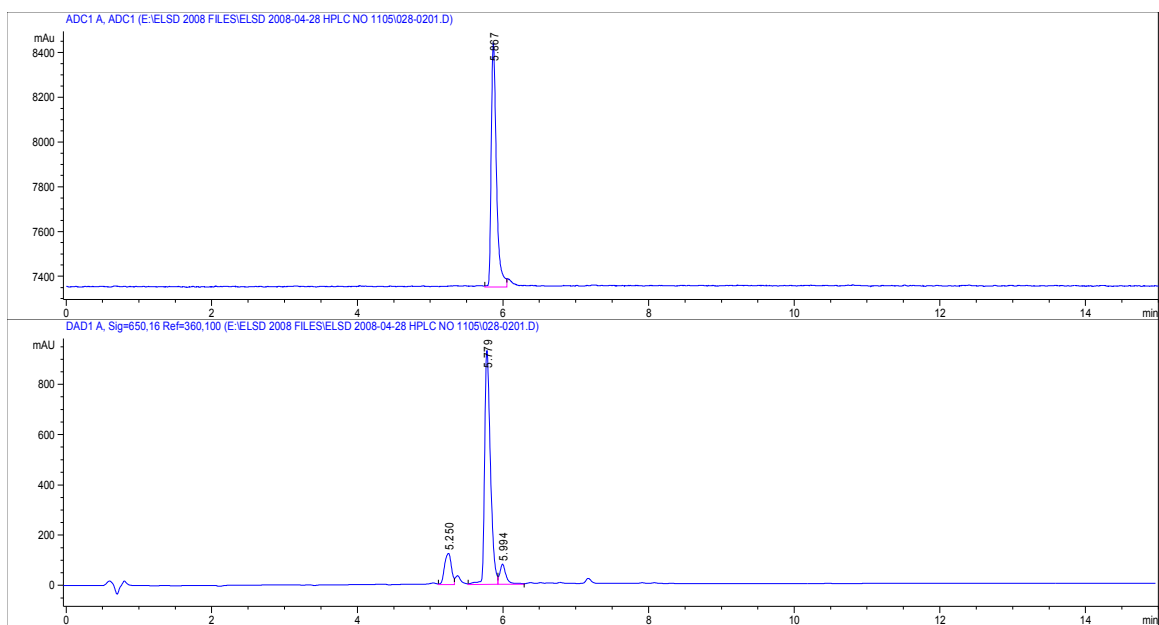


Figure 6 HPLC trace of crude heptamethine dye **8c**. Detection: ELSD AND at $\lambda = 750$ nm.

Trimethine dye 8d

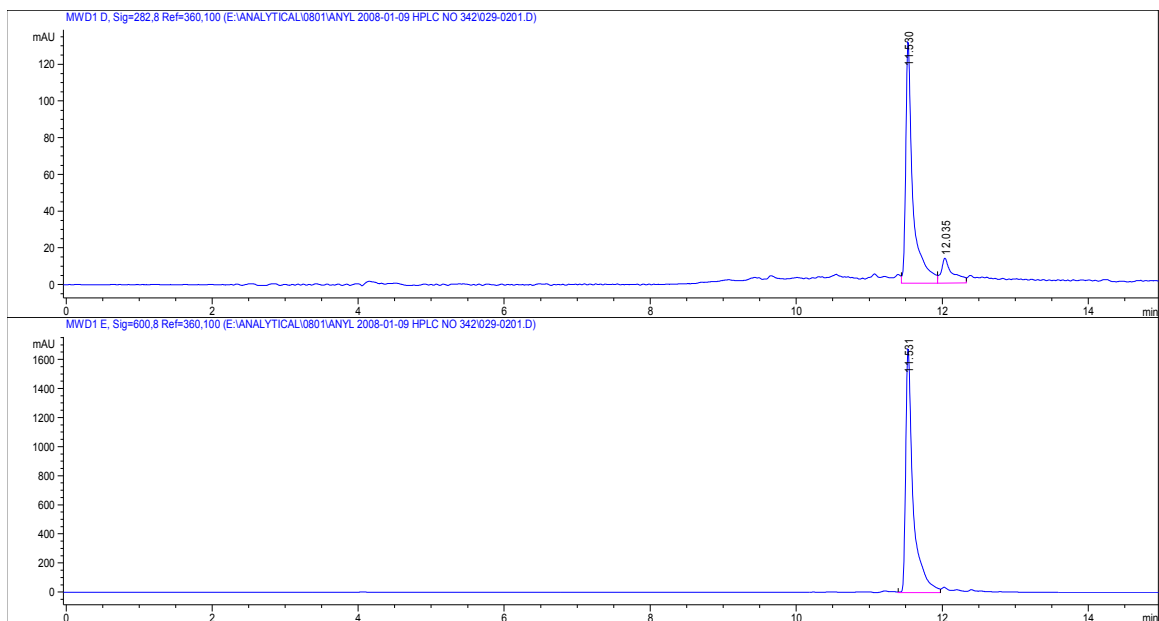


Figure 7 Figure 2 HPLC trace of trimethine dye 8d after chromatographic purification. Detection: ELSD and at $\lambda = 600$ nm.

Pentamethine dye 8e

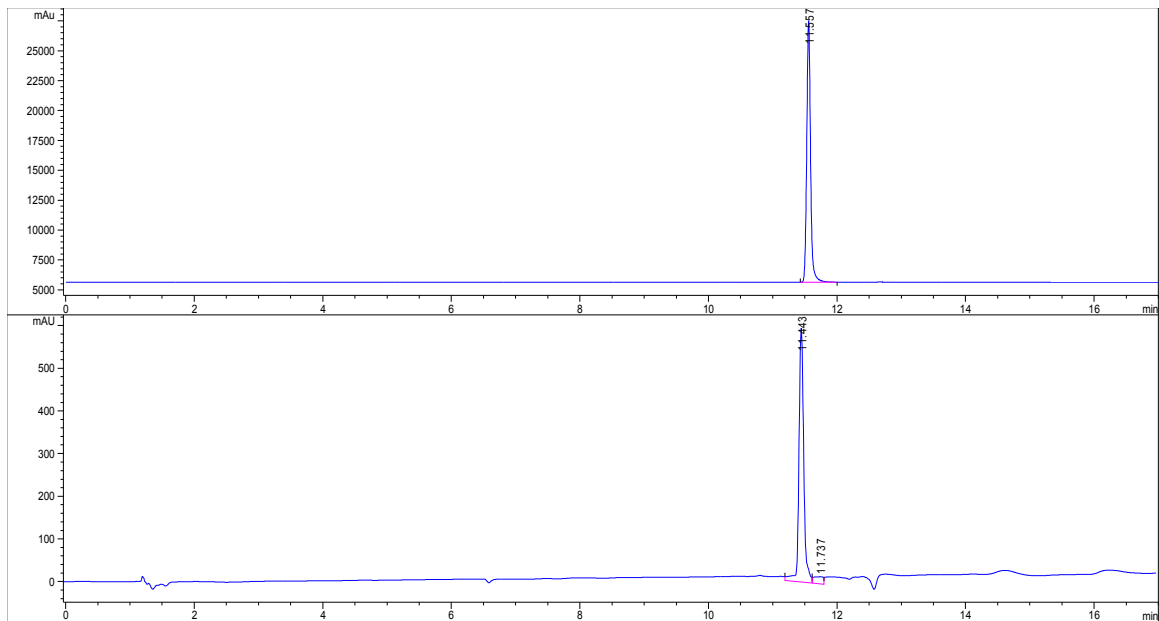


Figure 8 HPLC trace of pentamethine dye 8e after chromatographic purification. Detection: ELSD and at $\lambda = 650$ nm.

Heptamethine dye 8f

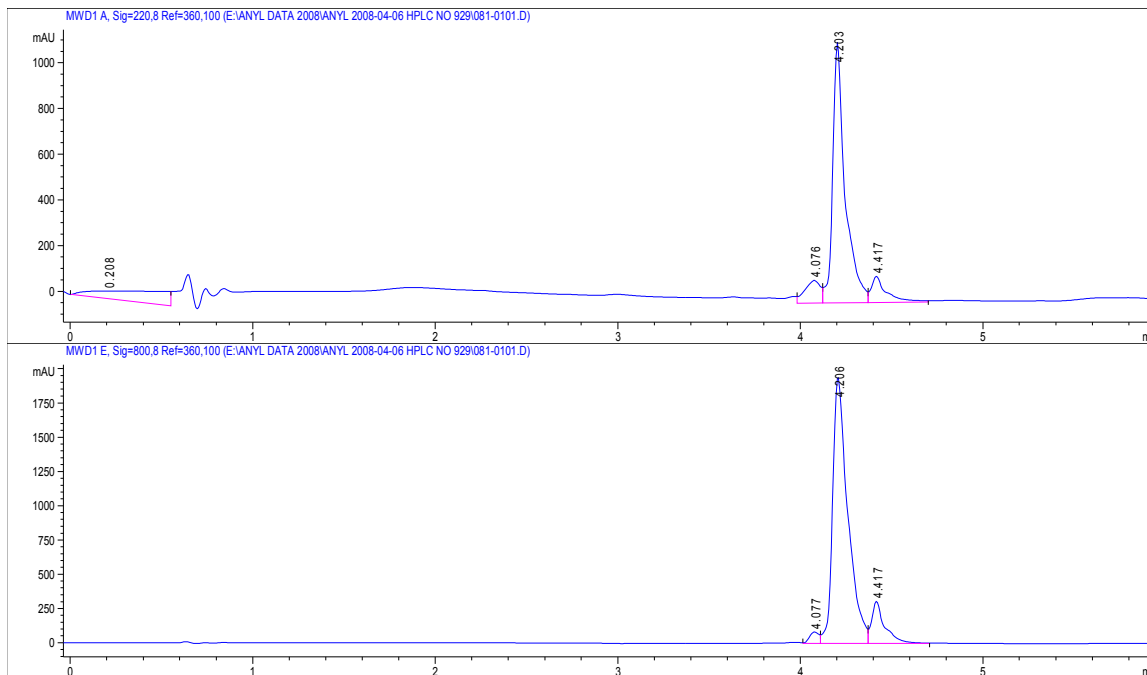


Figure 9 HPLC trace of crude heptamethine dye 8f. Detection: at $\lambda = 220$ nm and $\lambda = 800$ nm.

Pentamethine dye 8g

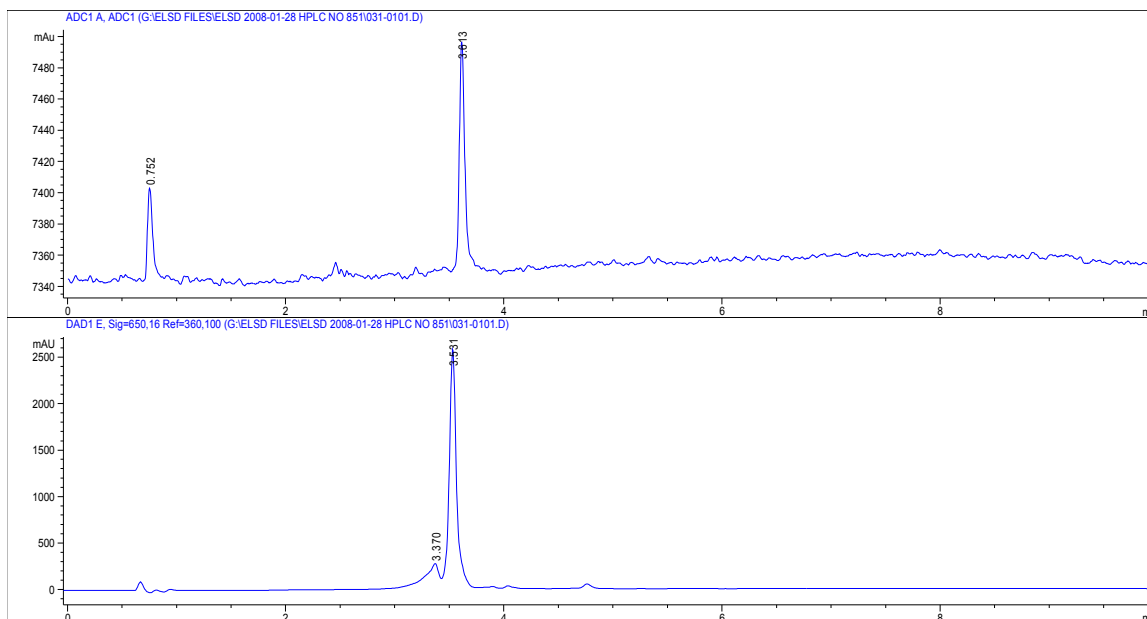


Figure 10 HPLC trace of crude pentamethine dye 8g. Detection: ELSD and at $\lambda = 650$ nm. Peak at 0.75 min is not attributable to the sample 8g.

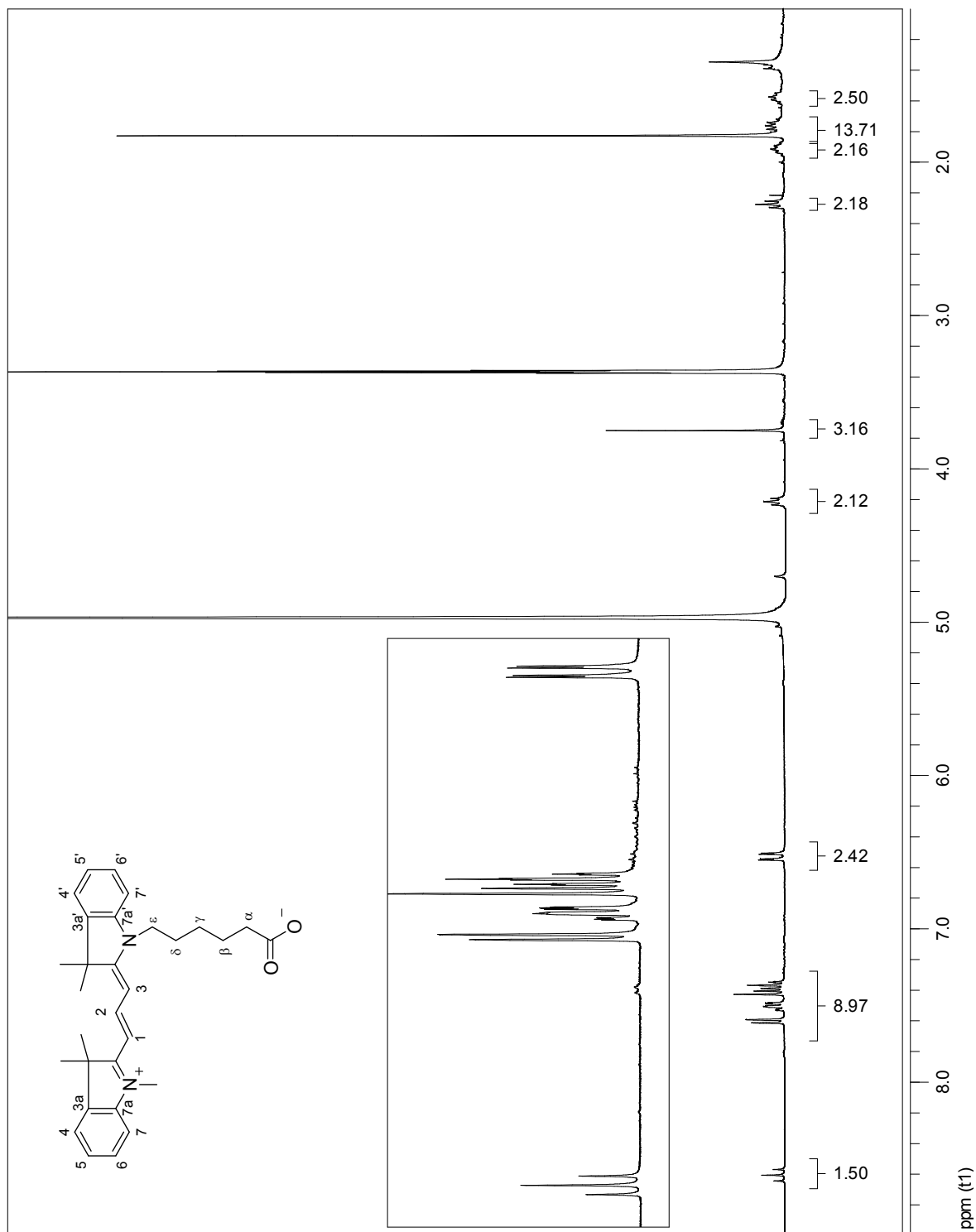


Figure 11 ^1H NMR of Trimethine dye 8a

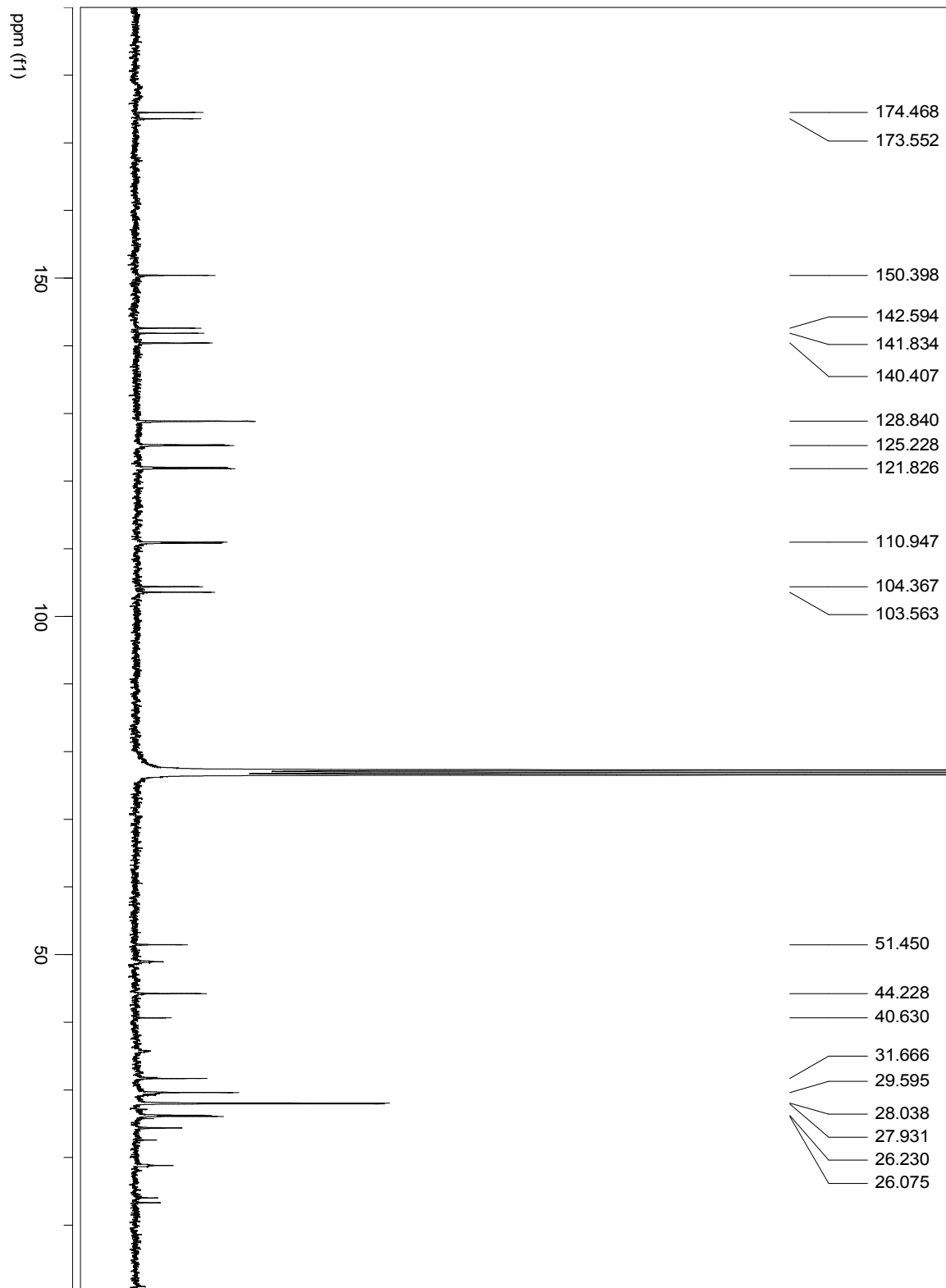
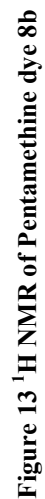


Figure 12 ^{13}C NMR of Trimethine dye 8a



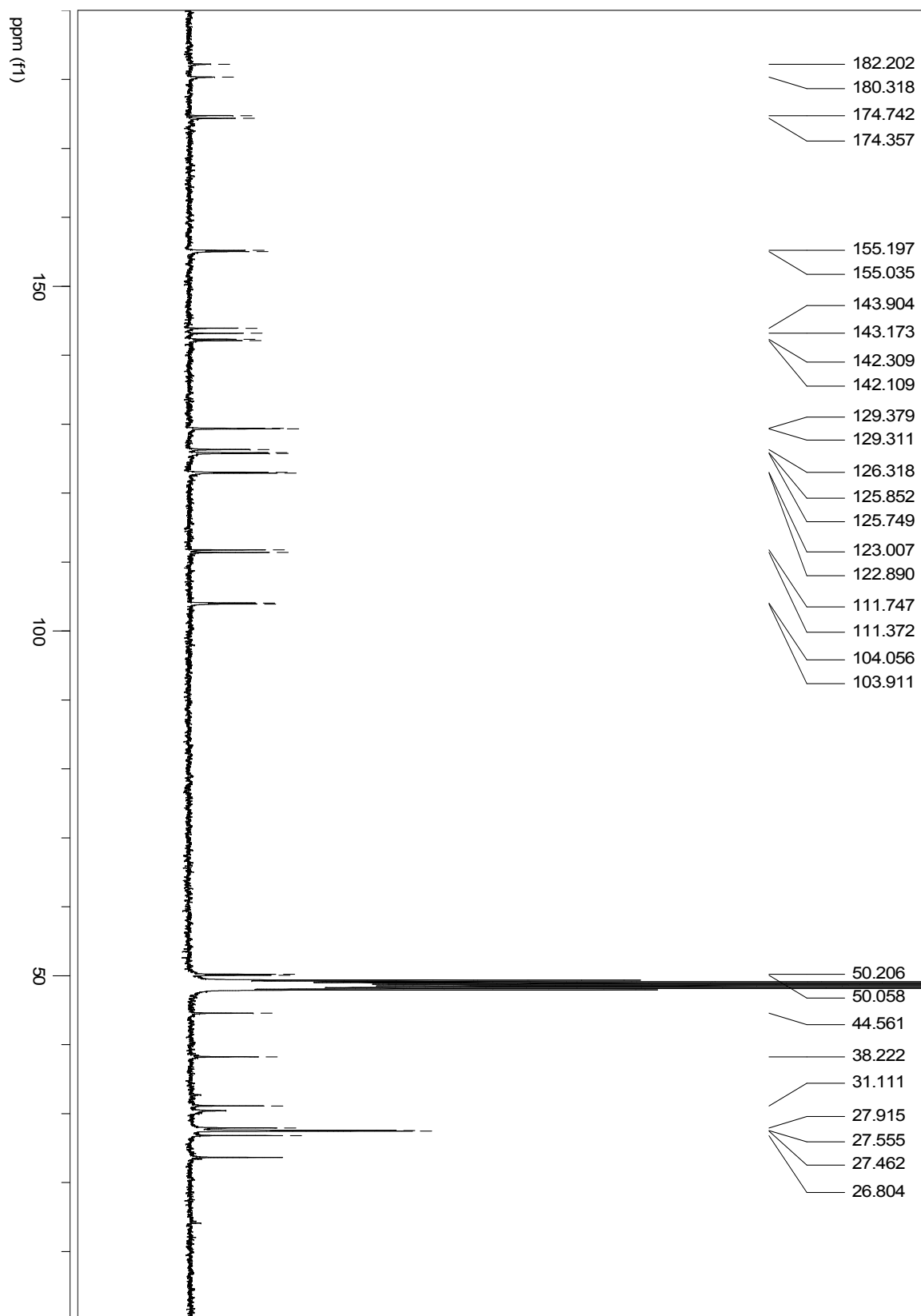


Figure 14 ^{13}C NMR of Pentamethine dye 8b

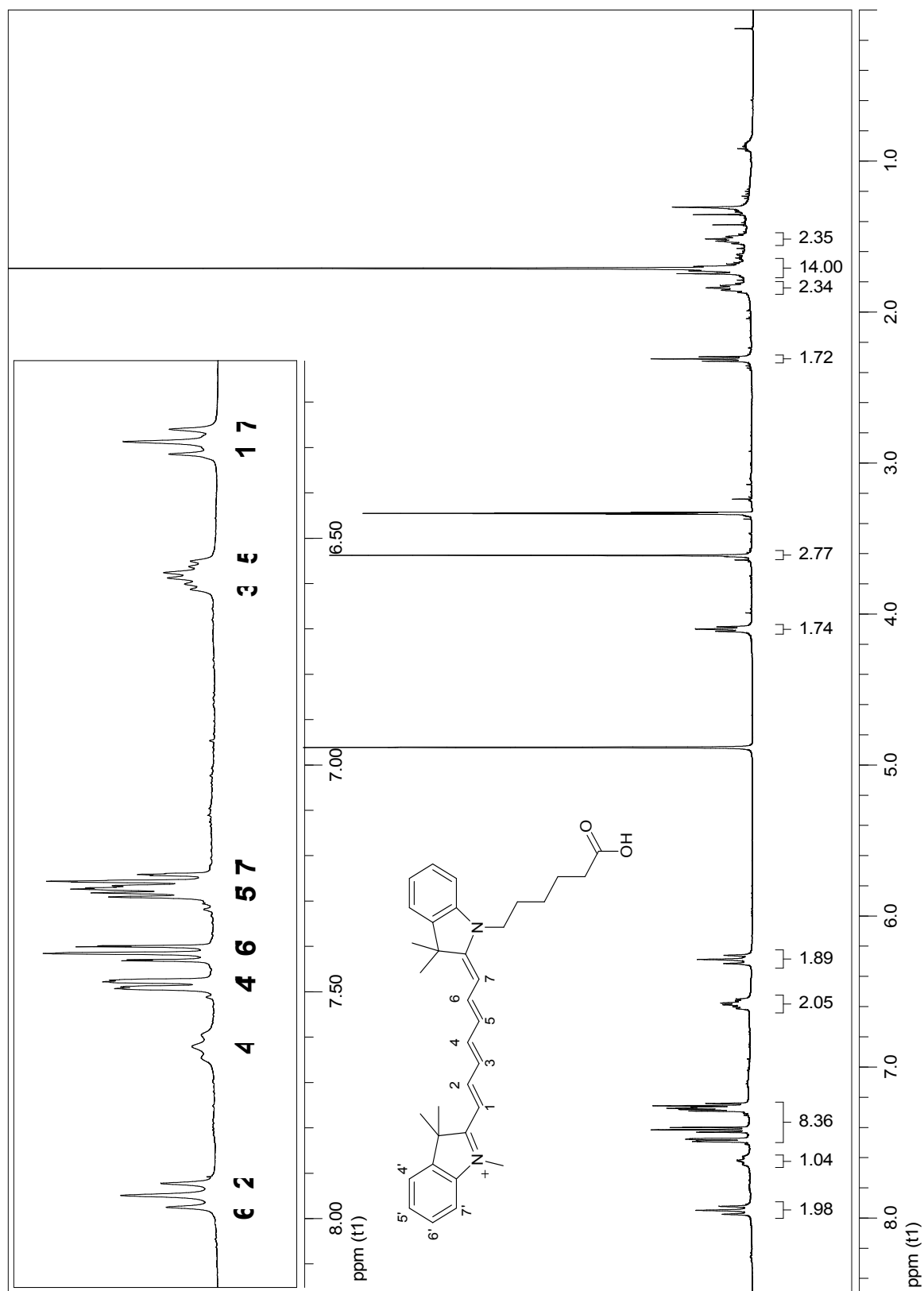
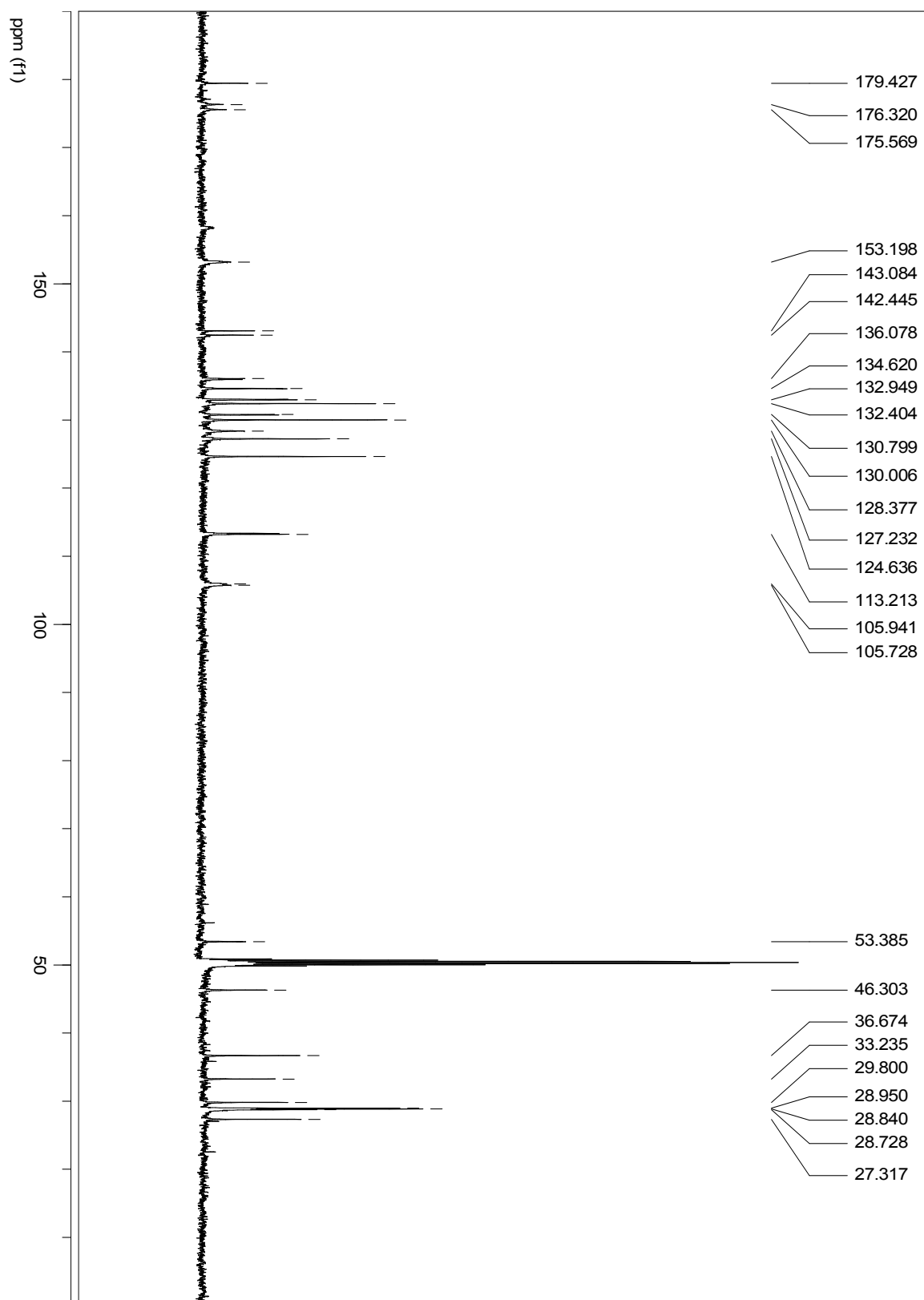


Figure 6 ^1H NMR of Heptamethine dye 8c



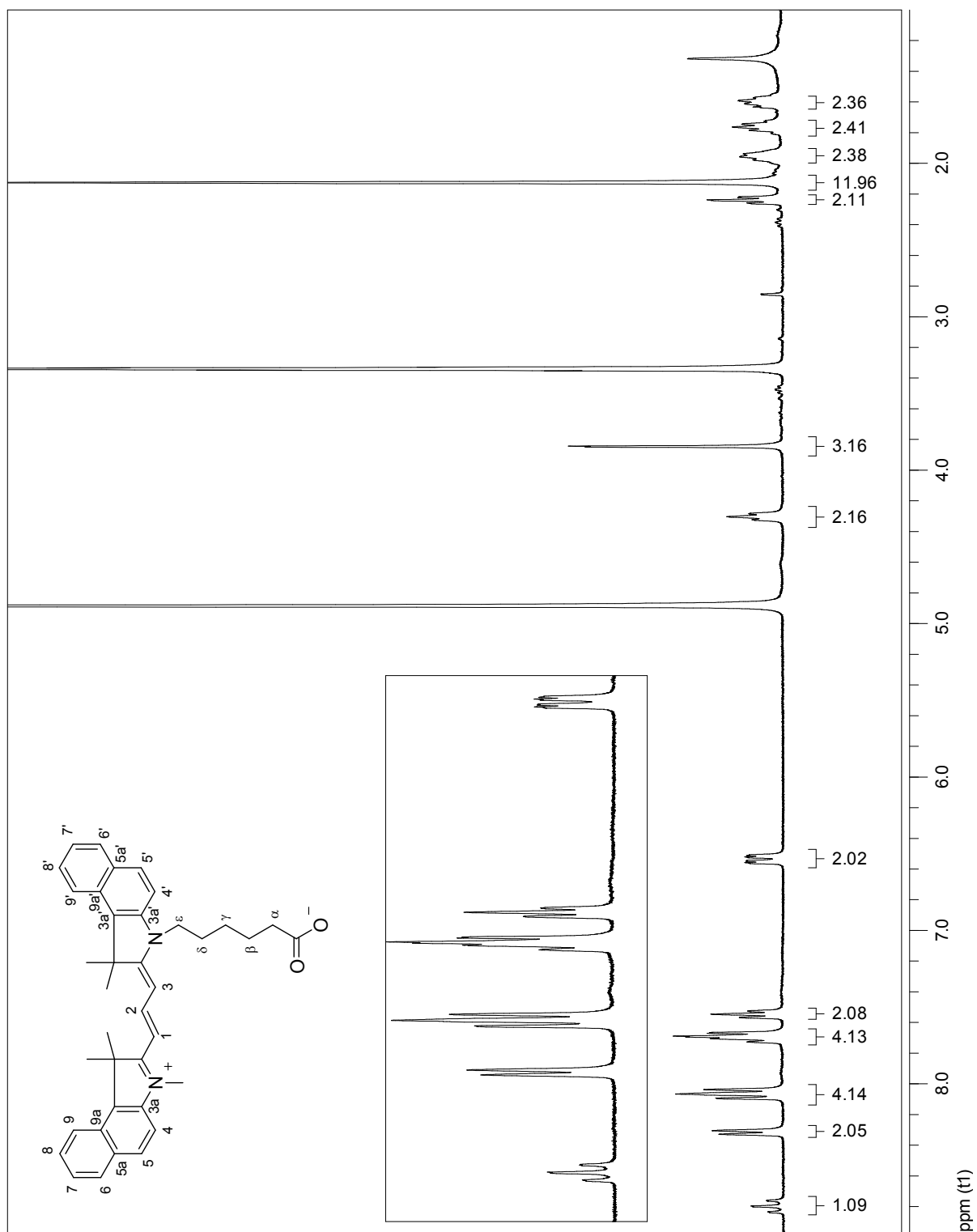


Figure 17 ^1H NMR of Trimethine dye 8d

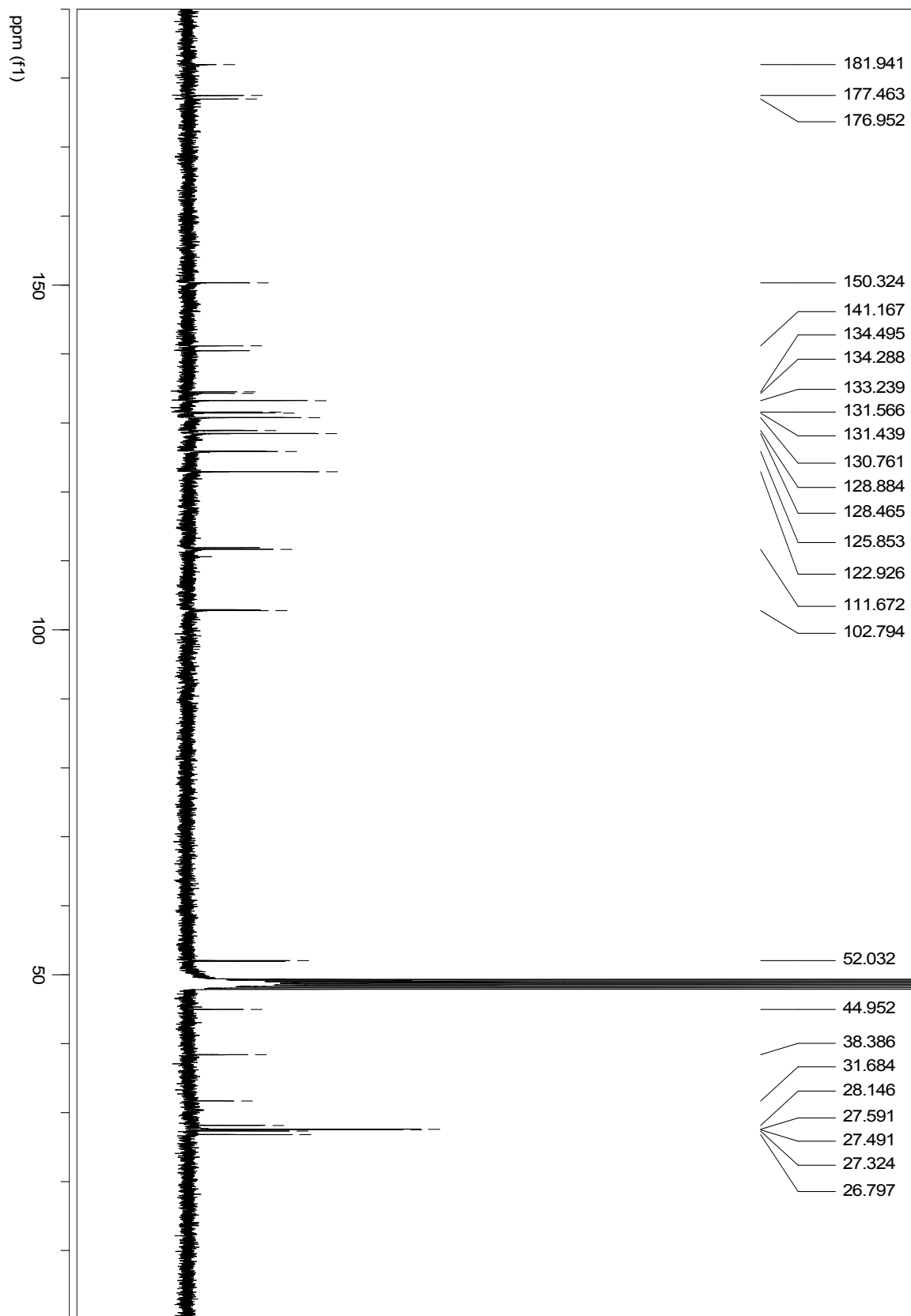


Figure 8 ^{13}C NMR of Trimethine dye 8d

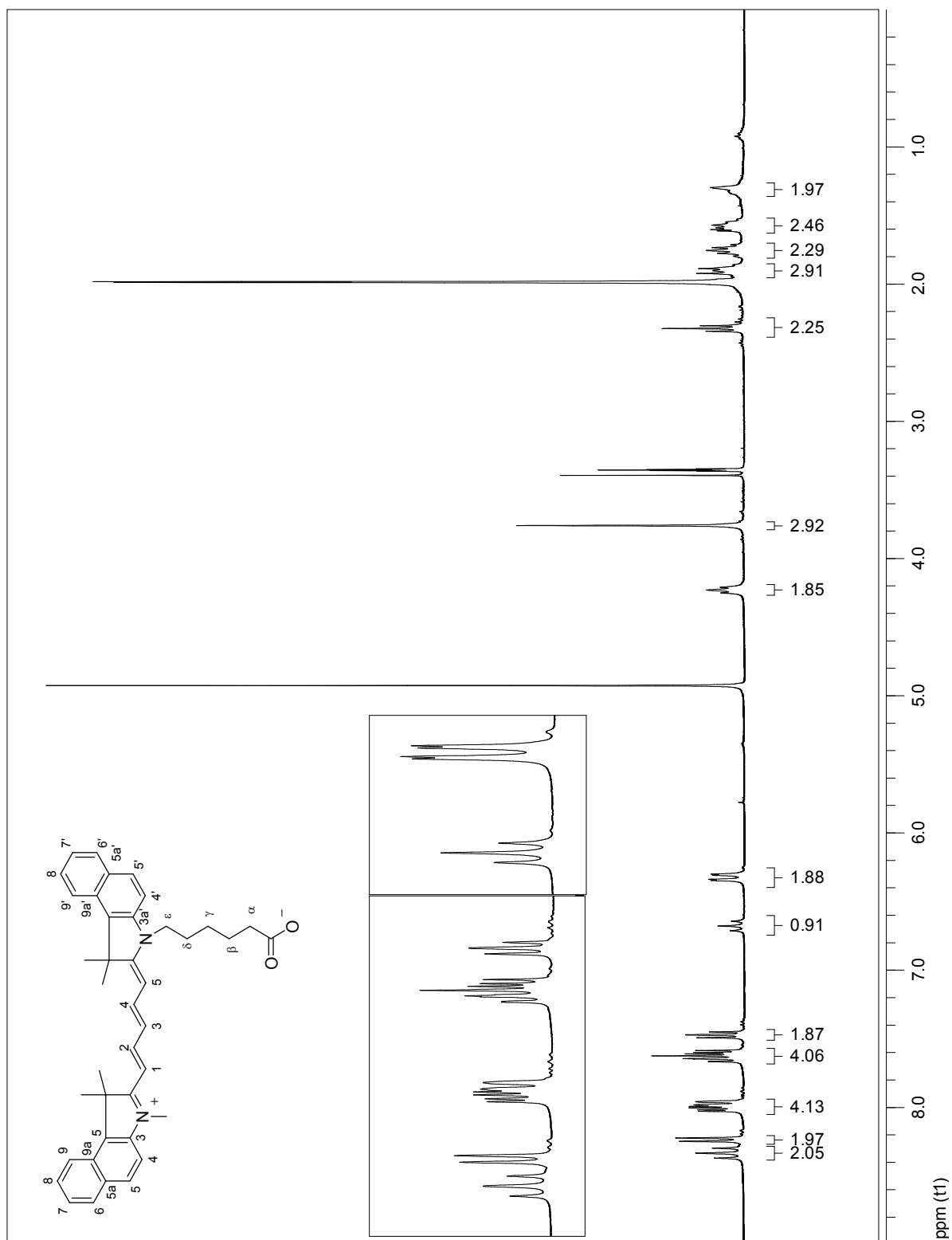
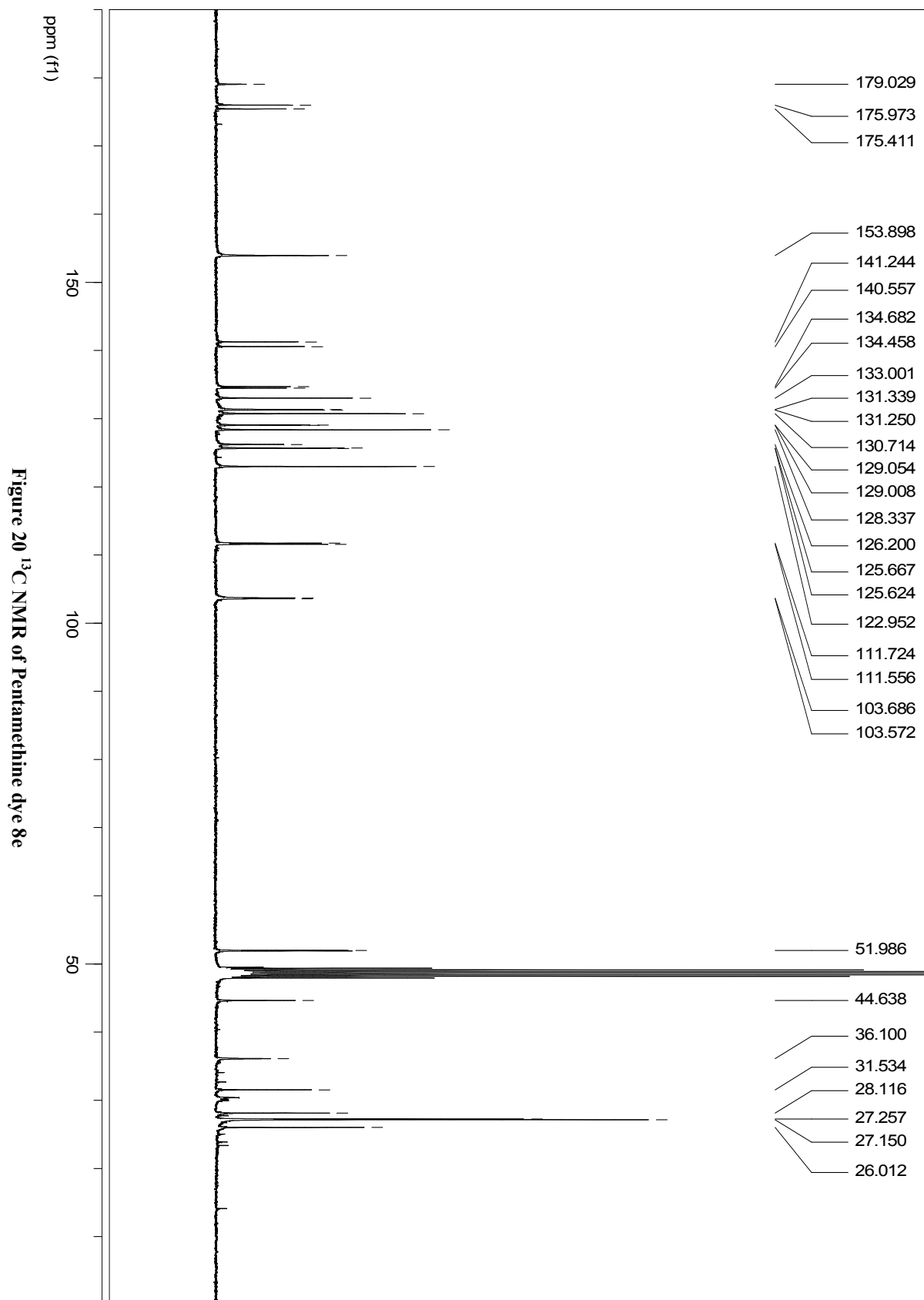


Figure 9 ^1H NMR of Pentamethine dye 8e



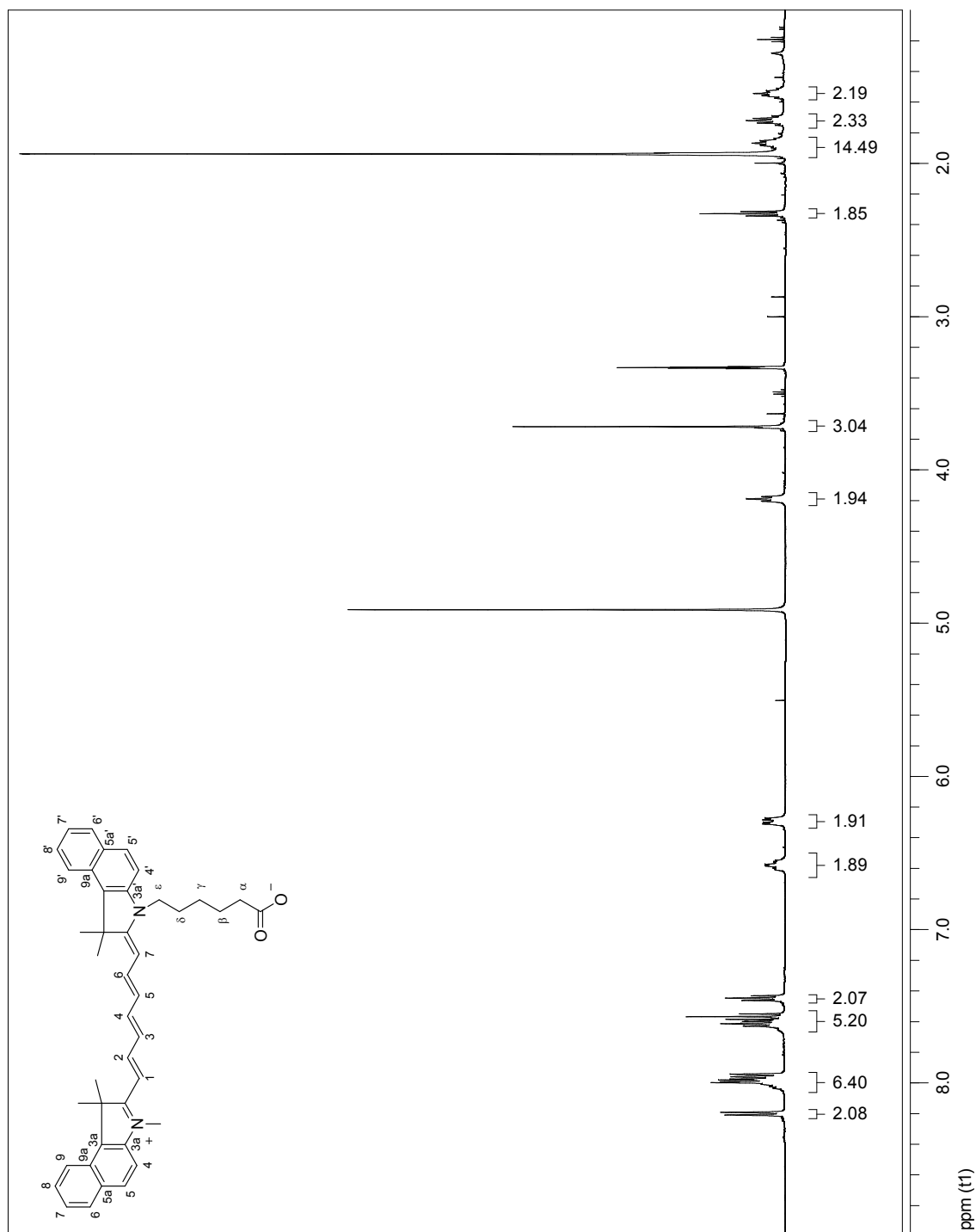


Figure 21 ¹H NMR of Heptamethine dye 8f

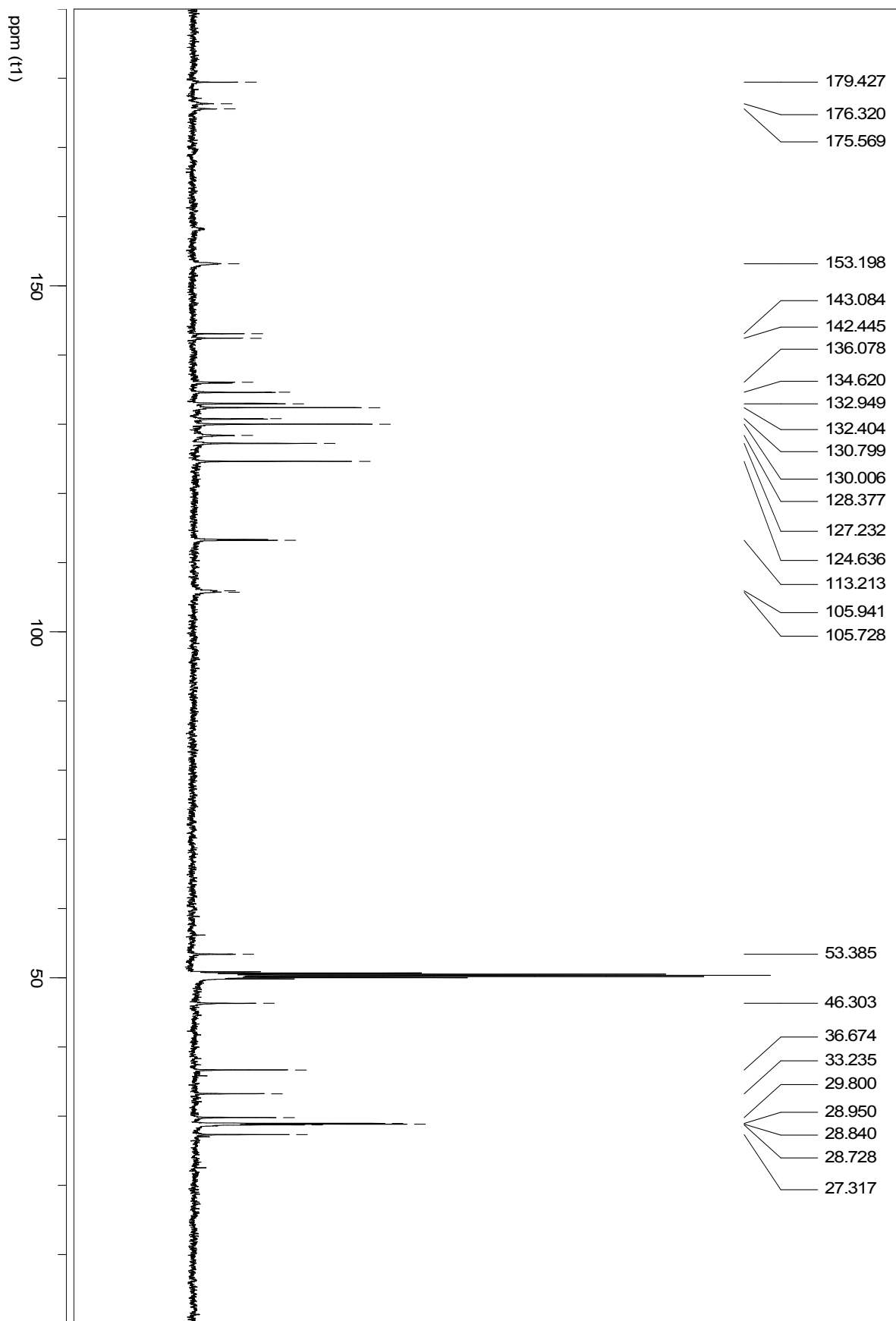


Figure 22 ^{13}C NMR of Pentamethine dye 8f

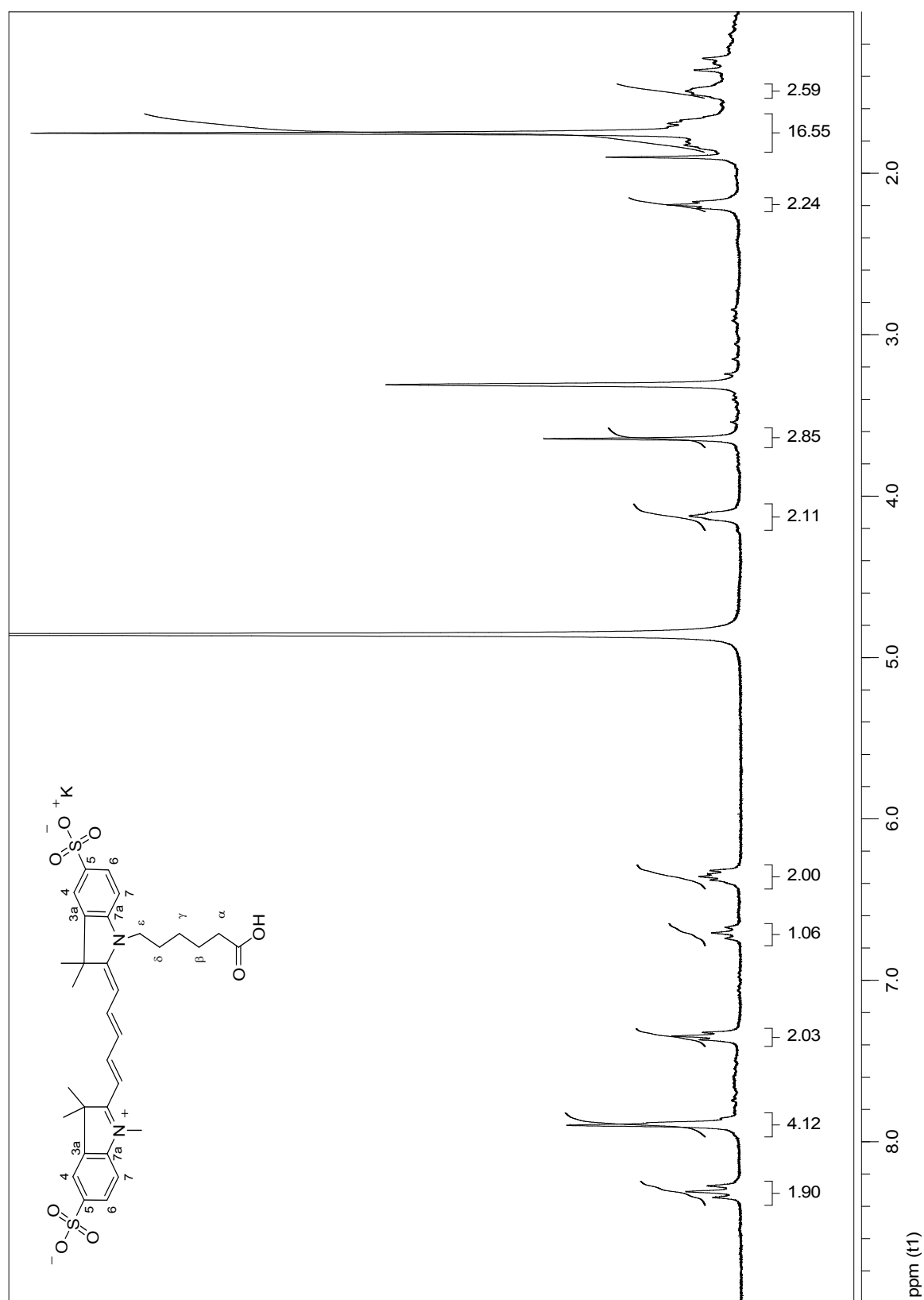


Figure 23 ^1H NMR of Pentamethine dye 8g

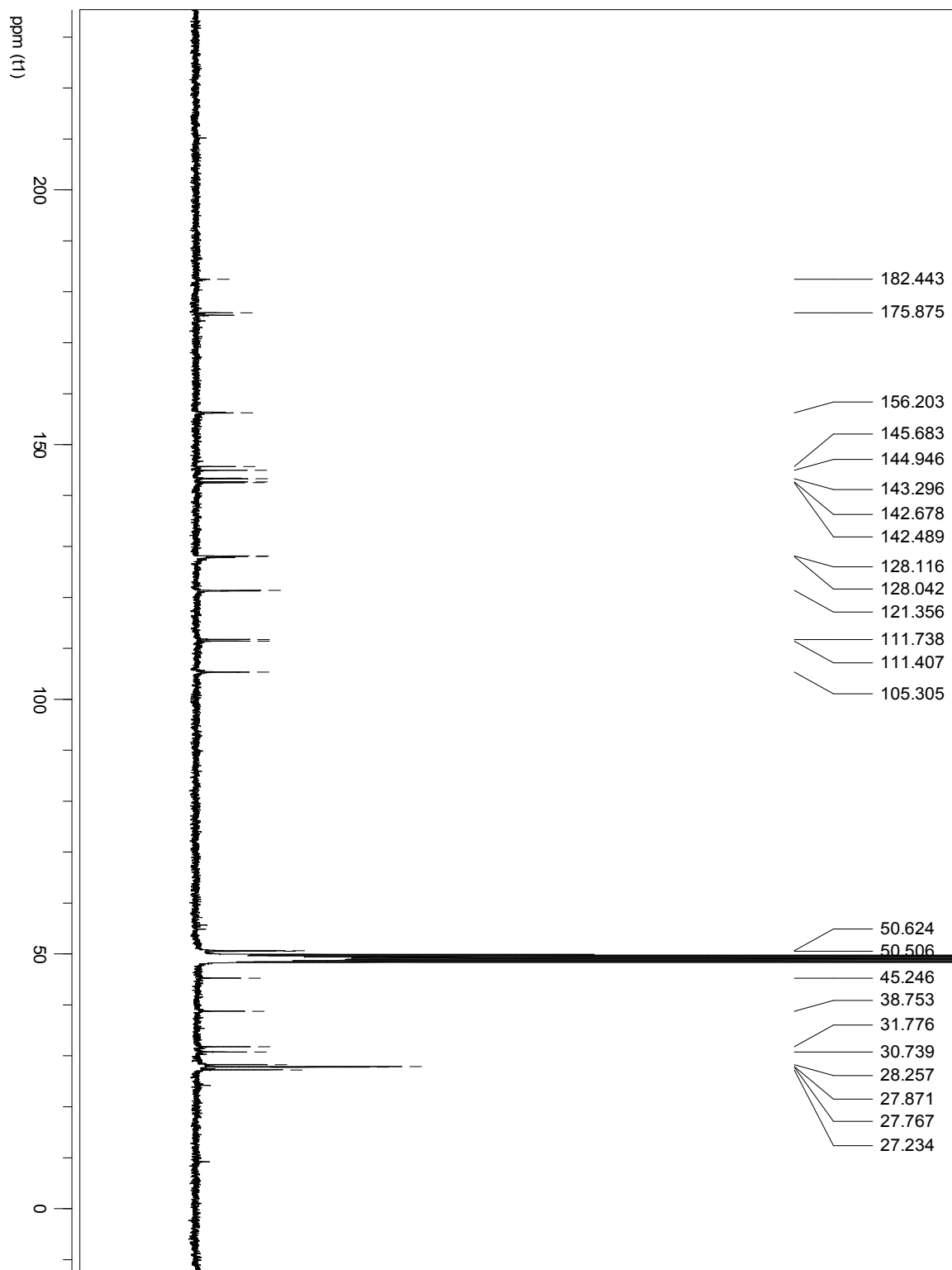


Figure 24 ^{13}C NMR of Pentamethine dye 8g