Electronic Supplementary Information (ESI)

Synthesis of Luminescent Squaramide Monoesters: Cytotoxicity and Cell Imaging Studies in HeLa Cells

Vanesa Fernández-Moreira,[ξ] Juan V. Alegre-Requena,[ξ ‡] Raquel P. Herrera,*[‡] Isabel Marzo,[†] and M. Concepción Gimeno*[ξ]

[ξ] Departamento de Química Inorgánica, Instituto de Síntesis Química y Catálisis Homogénea (ISQCH), Universidad de Zaragoza-CSIC, E-50009 Zaragoza, Spain.

[‡] Departamento de Química Orgánica, Instituto de Síntesis Química y Catálisis Homogénea (ISQCH), Universidad de Zaragoza-CSIC, E-50009 Zaragoza, Spain.

[†]Departamento de Bioquímica y Biología Molecular y Celular, Universidad de Zaragoza, E-50009 Zaragoza, Spain.

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1. Emission and absorption spectra

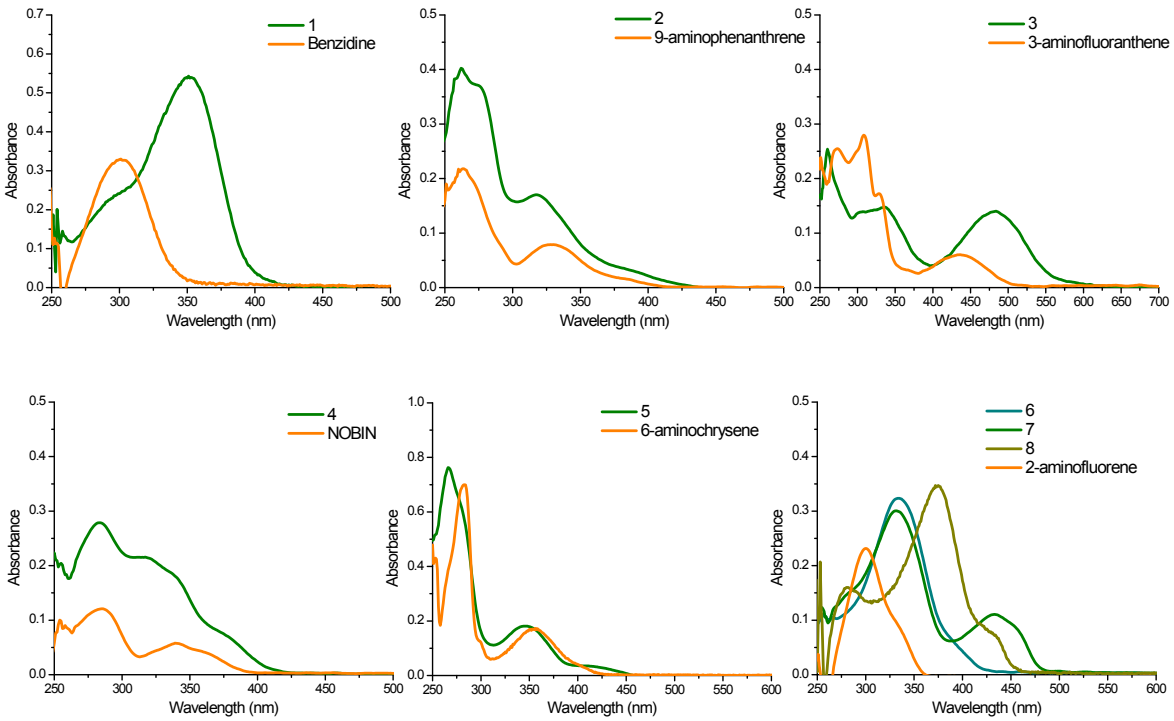


Figure S1. UV-Visible absorption spectra for species **1–8** and their correspondent fluorophores ($1 \cdot 10^{-5}$M in DMSO at 298 K).

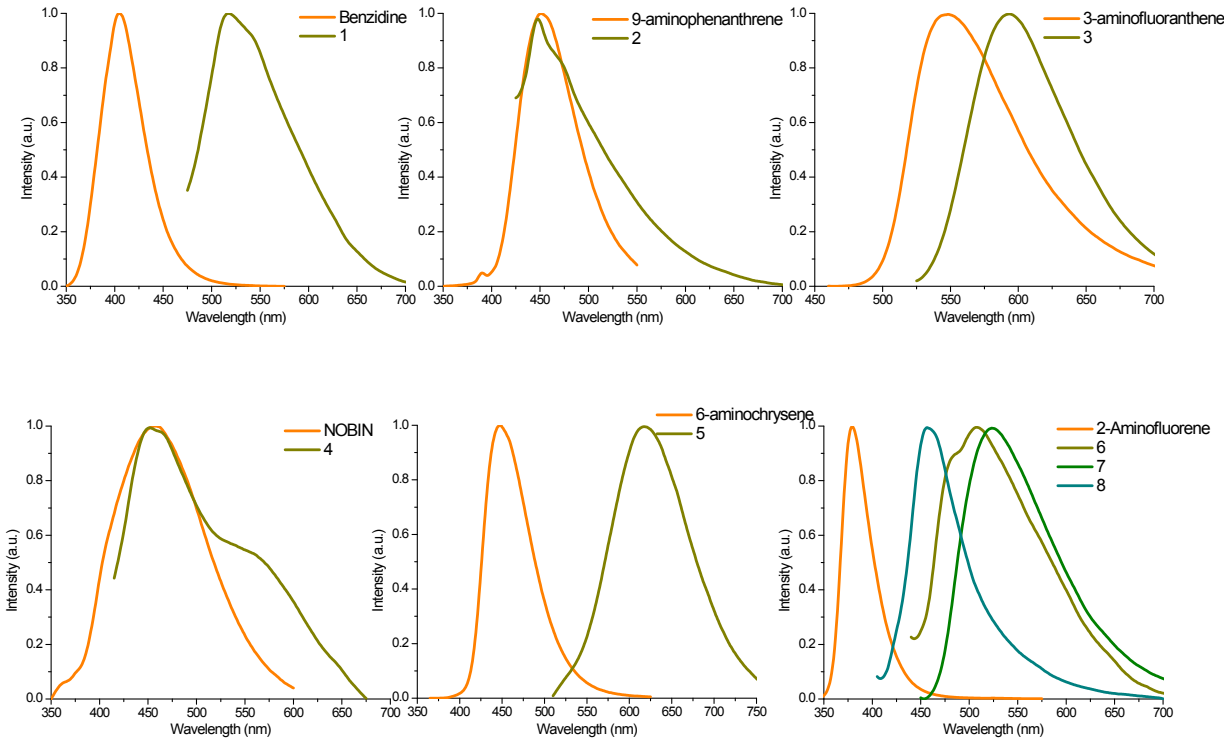


Figure S2. Emission spectra for species **1–8** and their correspondent fluorophores in DMSO at 298 K.

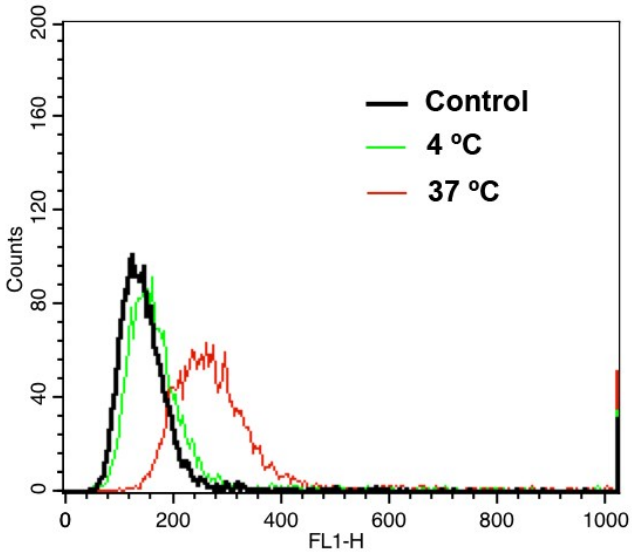


Figure S3. Energy dependence analysis of the uptake of compound **5.**

HeLa cells (100.000 cells) were plated in 22.1 cm^2 petri dishes and cultured for 24 h before addition of 100 µM of compound **5**. The appropriate amount of DMSO was added to controls. Plates were incubated for 2 hours at 37 ºC or 4 ºC. Then, cells were collected by trypsizination and cell-associated fluorescence was measured by flow cytometry. 10.000 viable cells were analyzed for each sample. Compound fluorescence was excited at 488 nm. Data were analyzed with CellQuest software.

Figure S4. ^{1}H and ^{13}C-APT NMR spectra of compound **1**

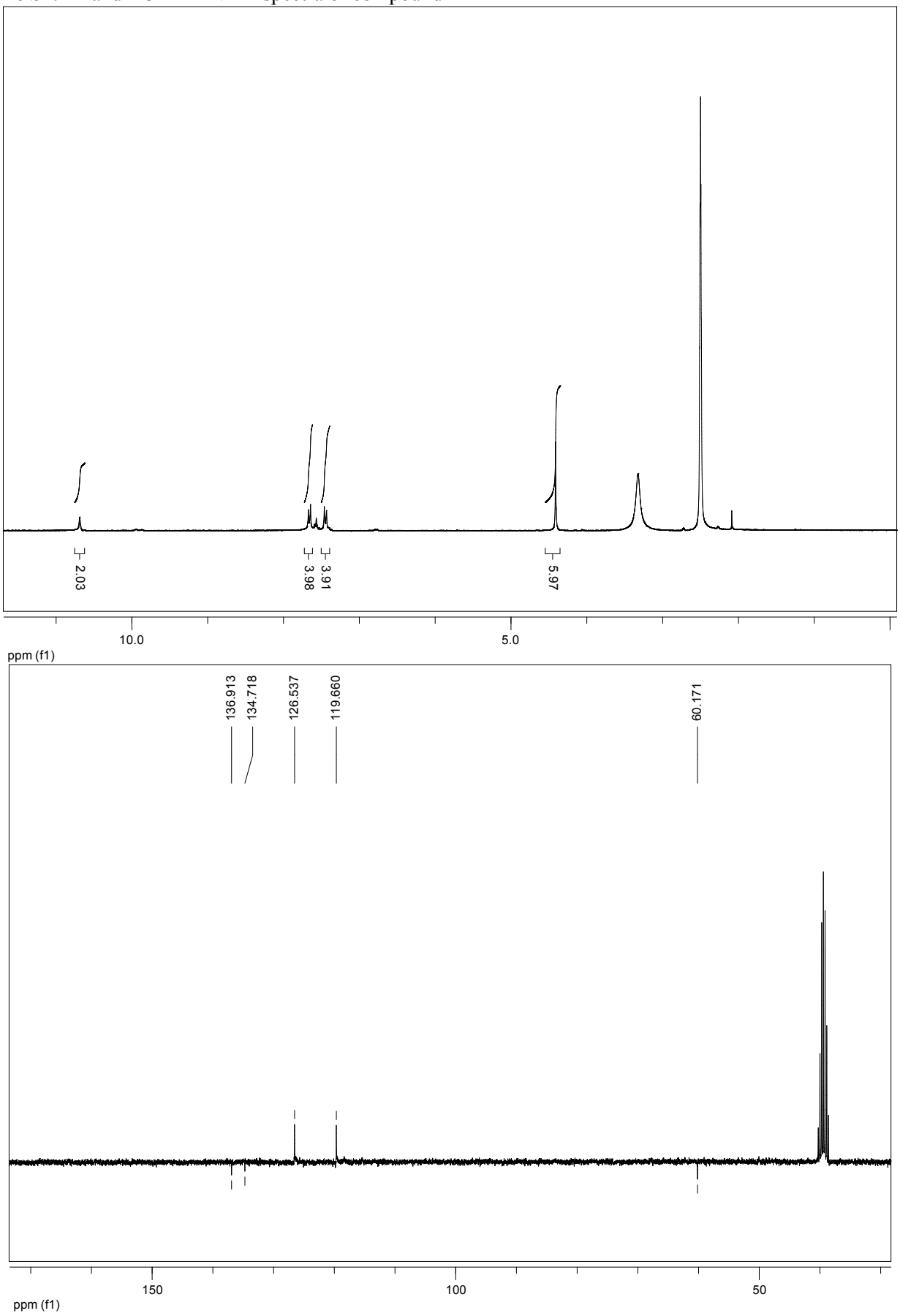


Figure S5. ^{1}H and ^{13}C-APT NMR spectra of compound **2**

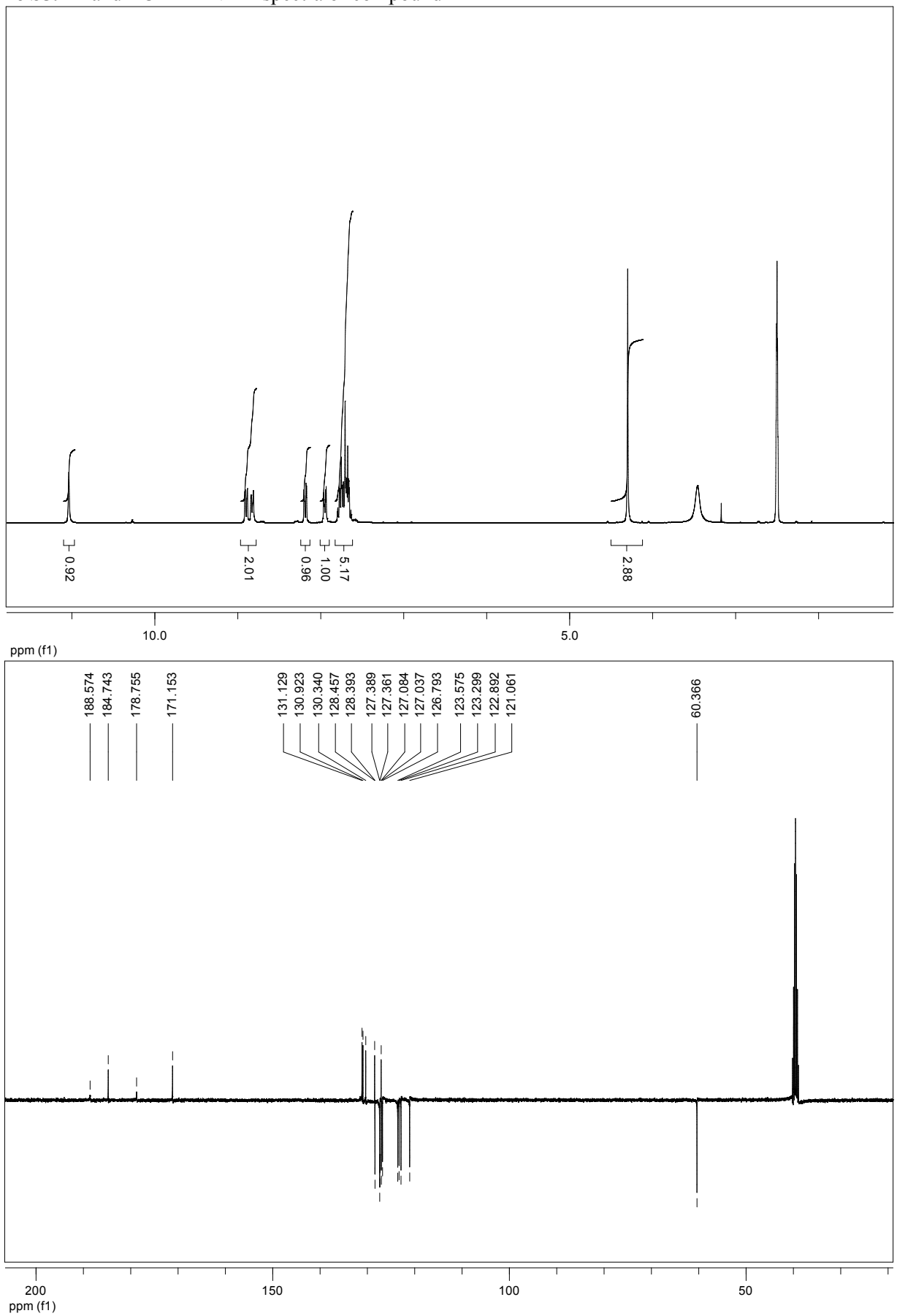
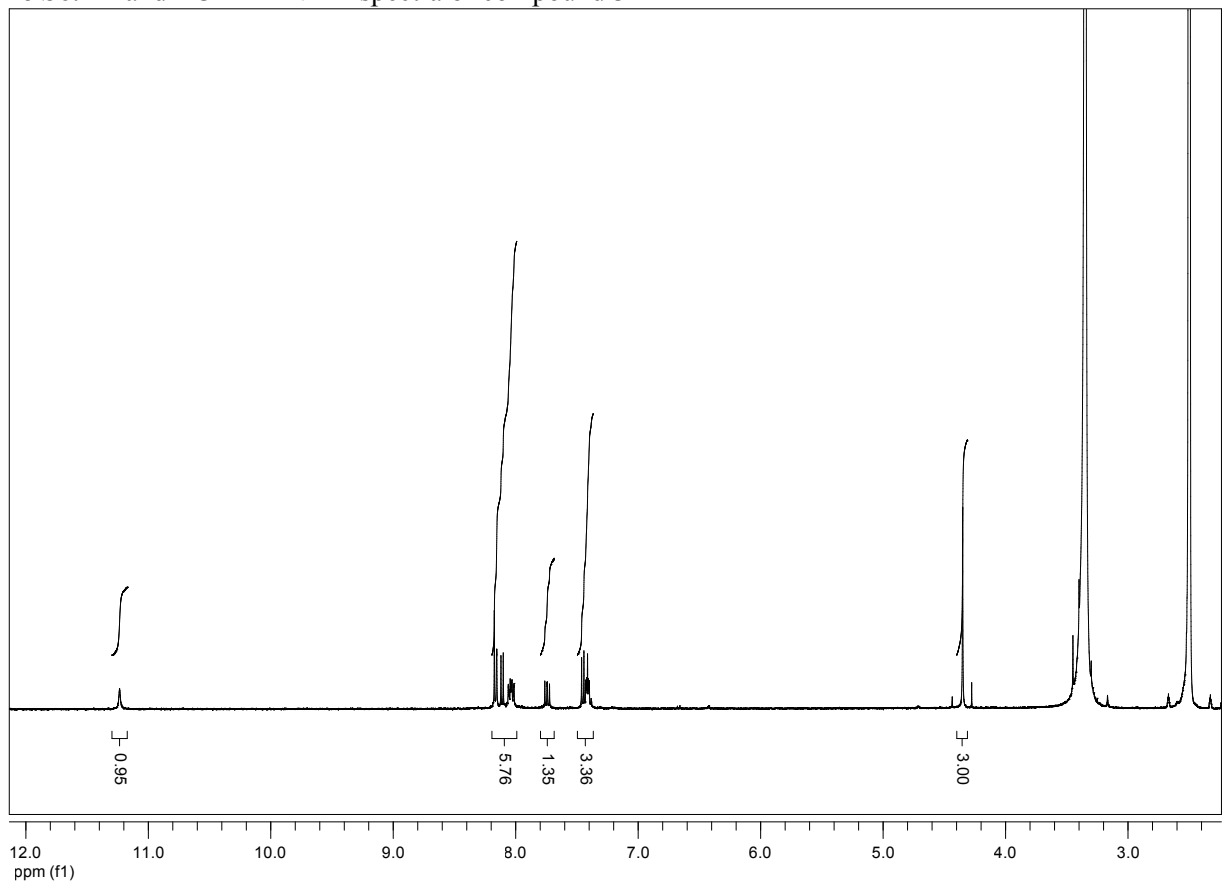


Figure S6. ^{1}H and ^{13}C-APT NMR spectra of compound **3**



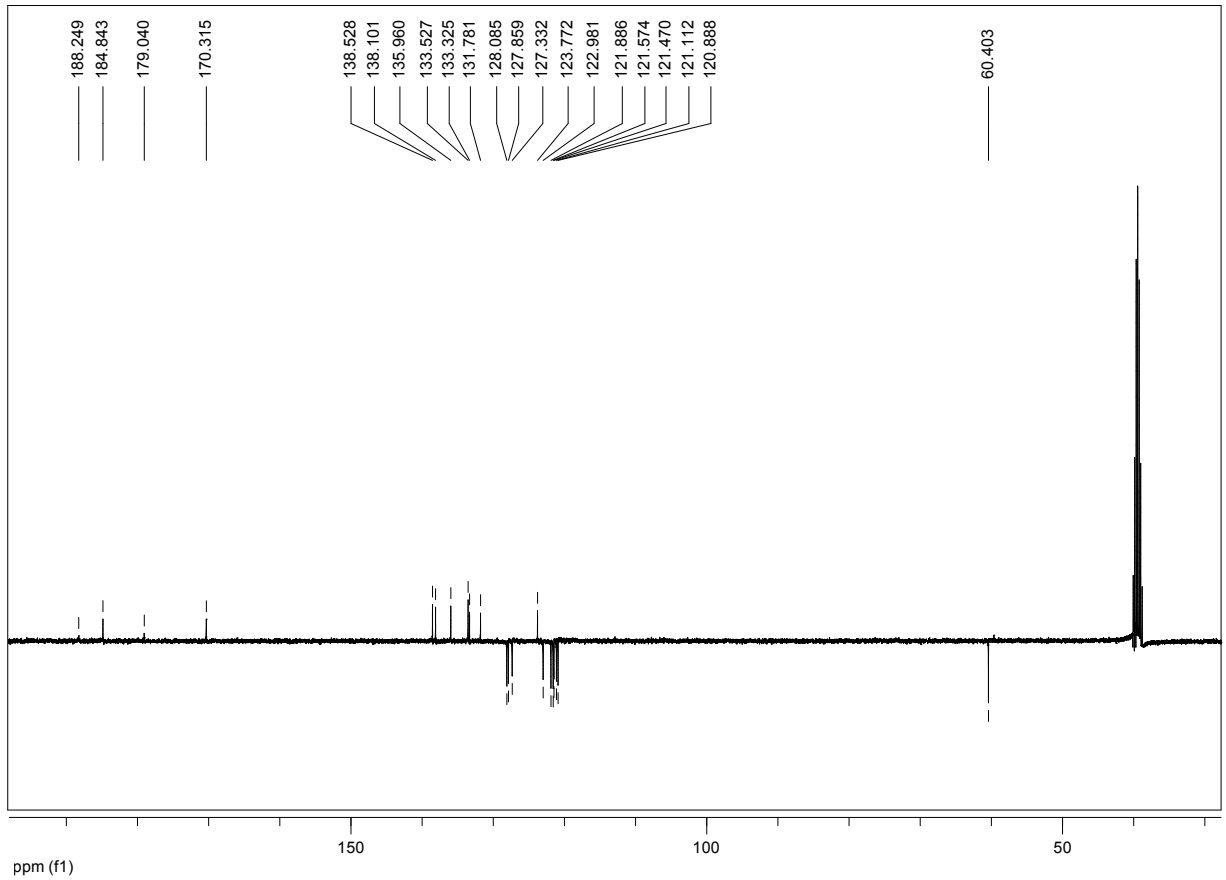
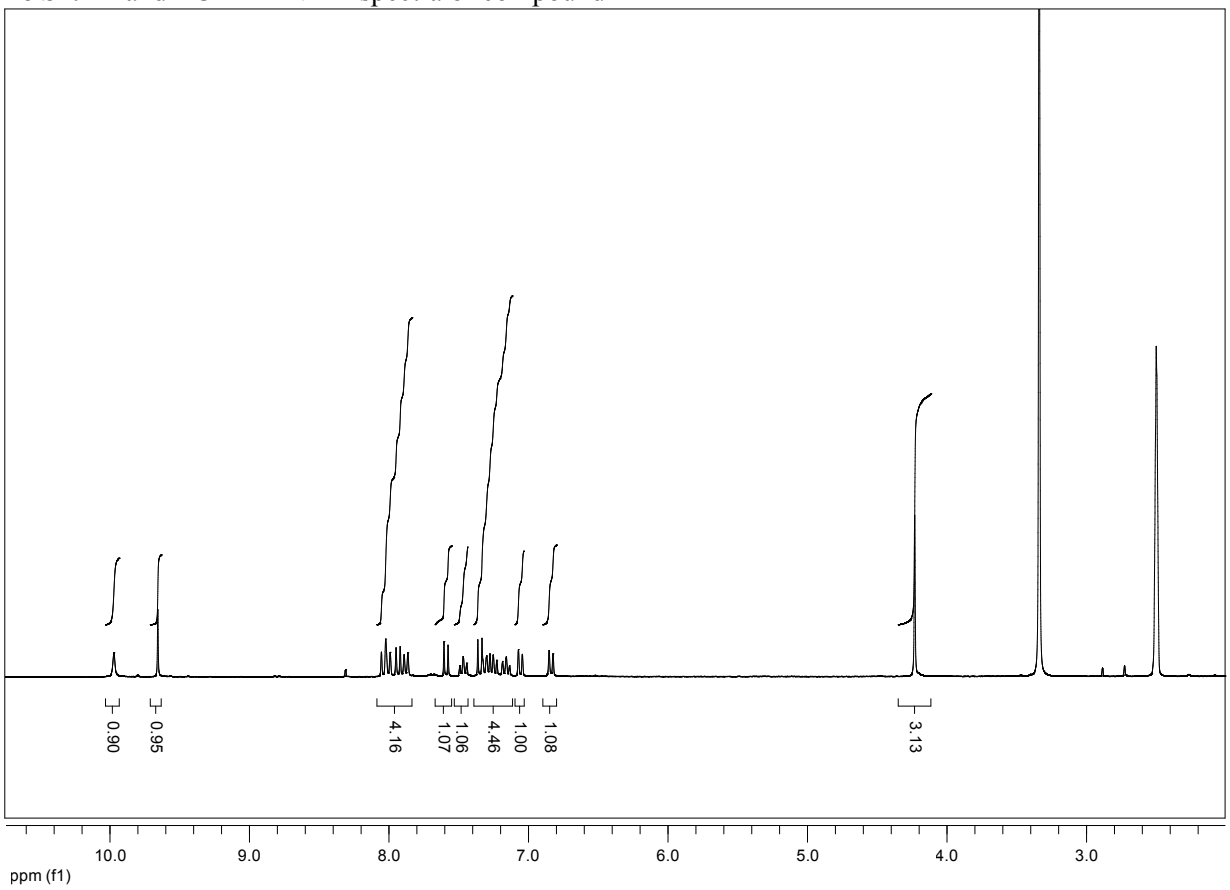


Figure S7. ^{1}H and ^{13}C-APT NMR spectra of compound **4**



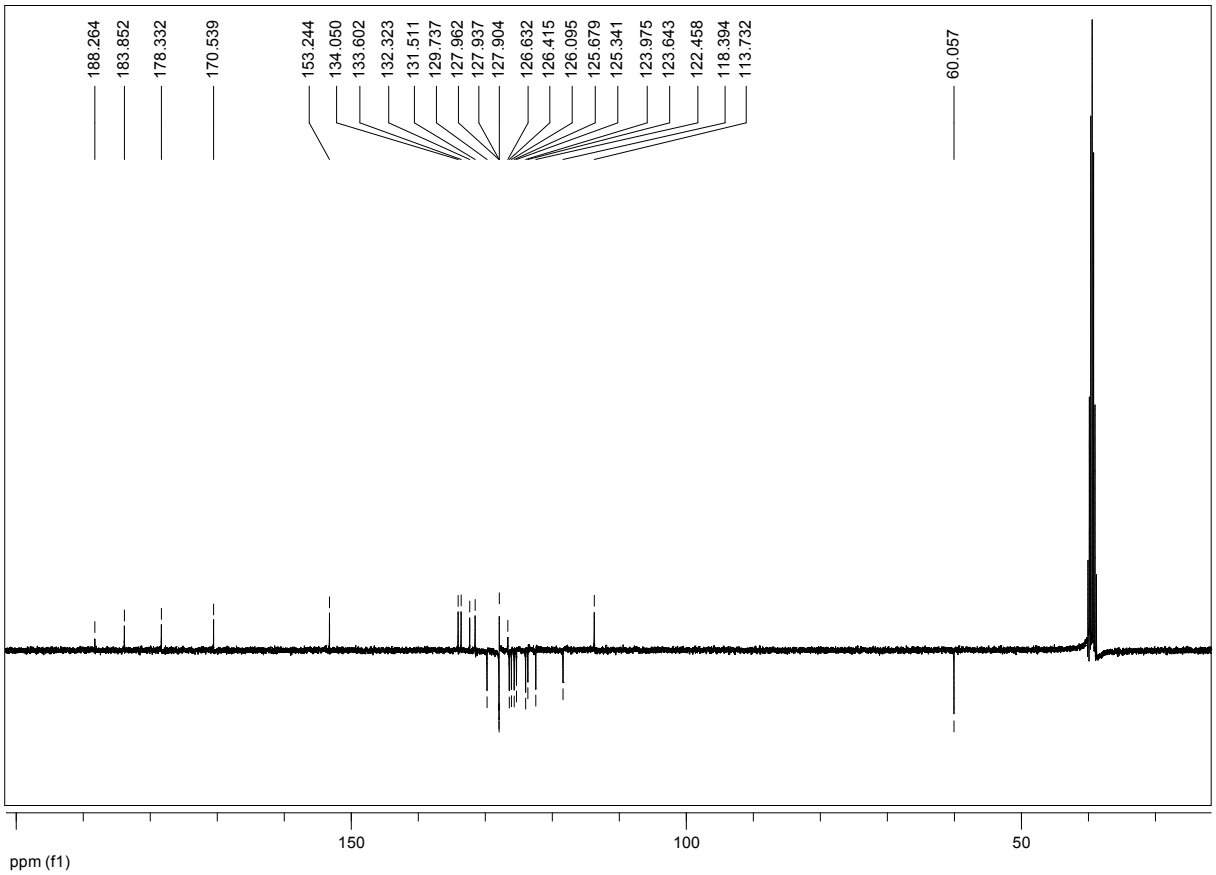
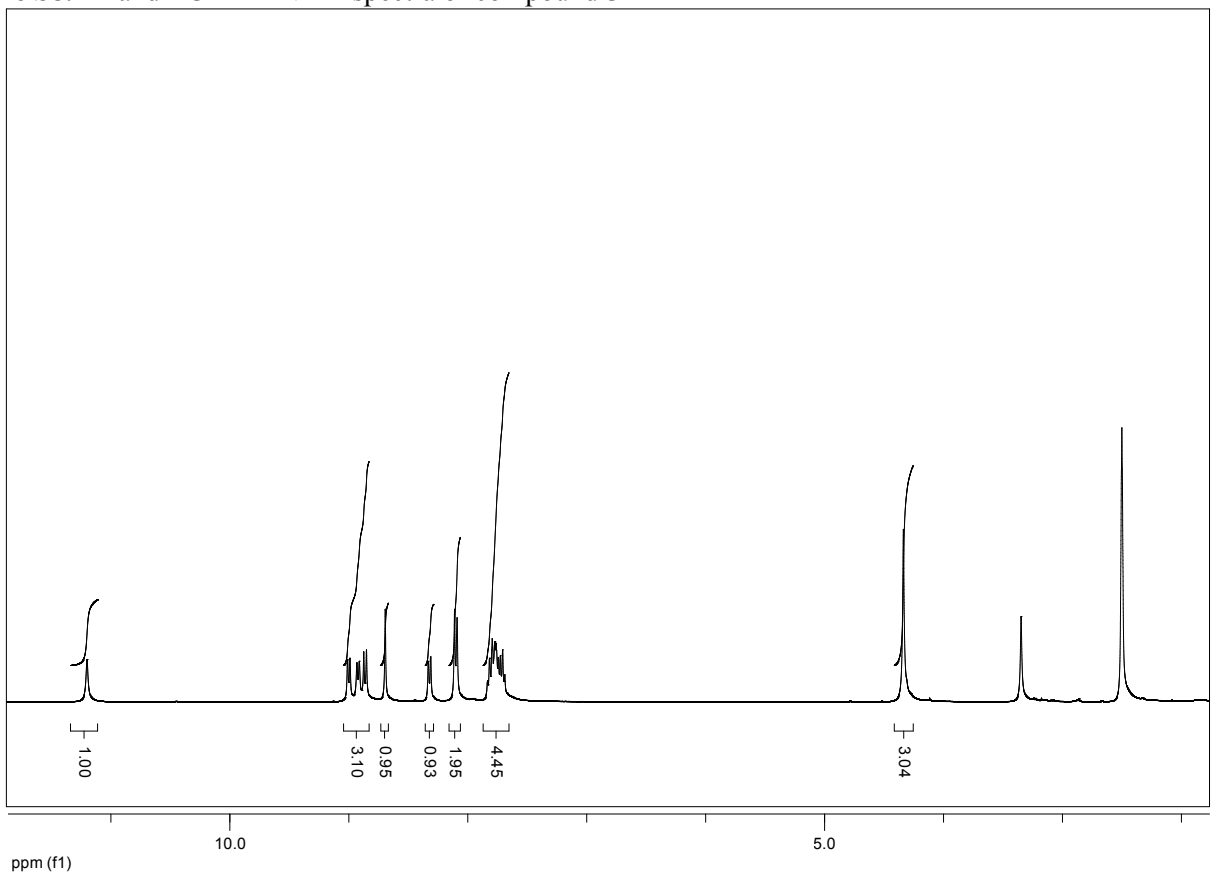


Figure S8. ^{1}H and ^{13}C-APT NMR spectra of compound **5**



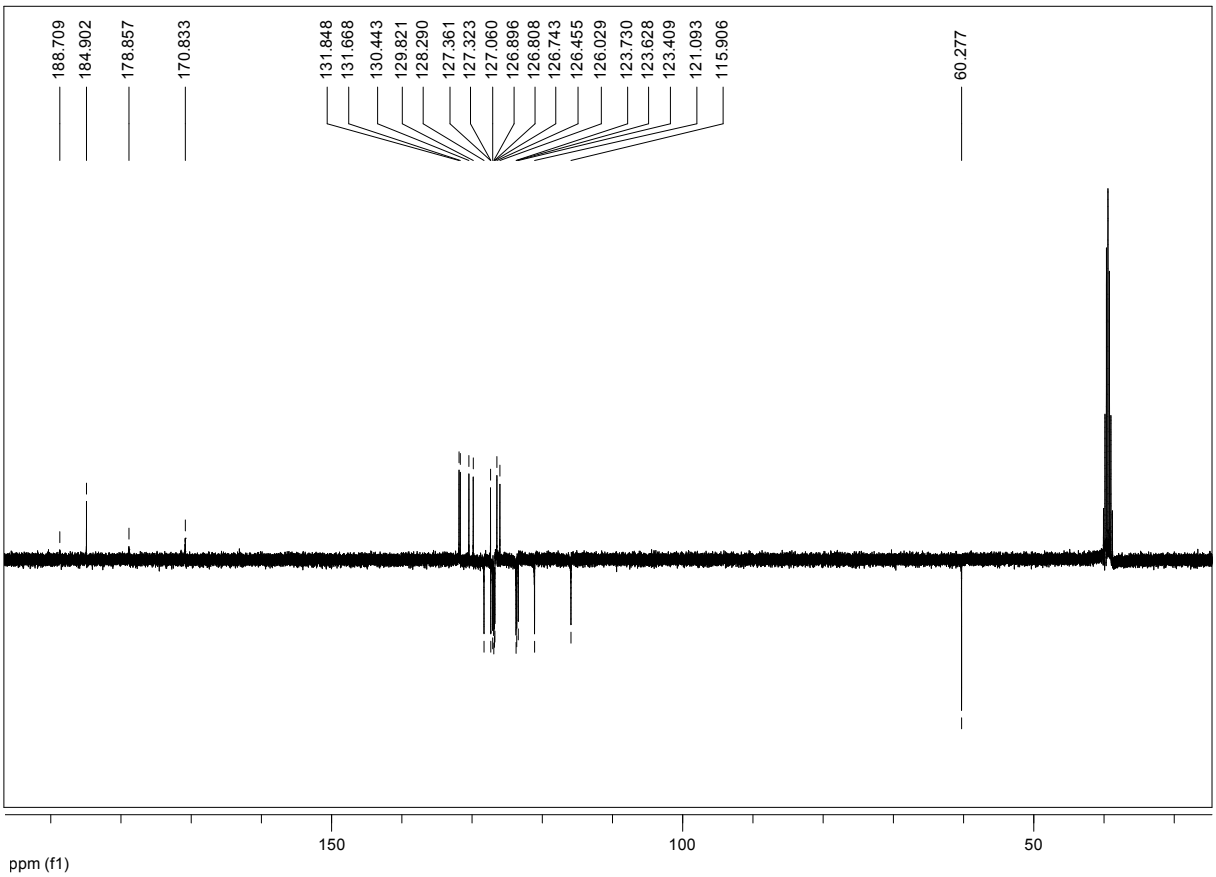
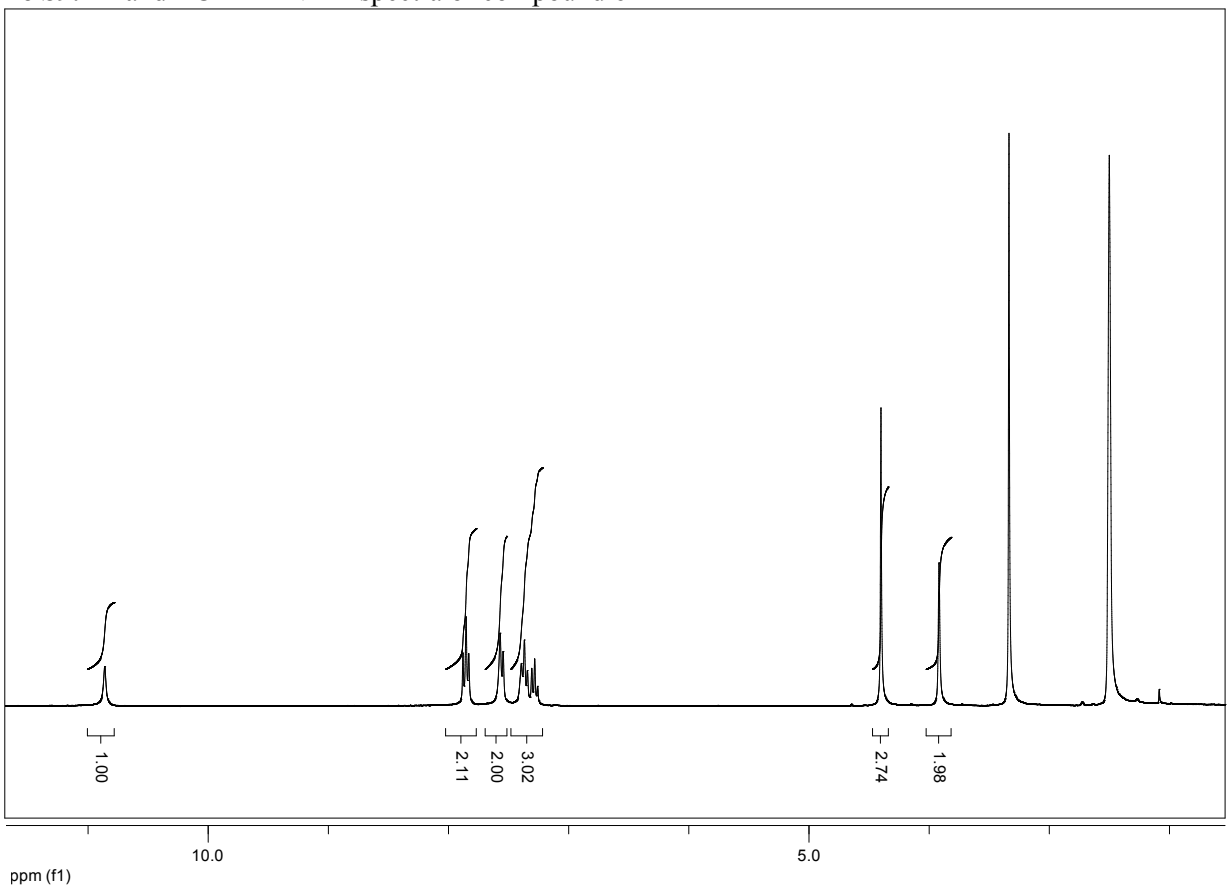


Figure S9. ^{1}H and ^{13}C-APT NMR spectra of compound **6**



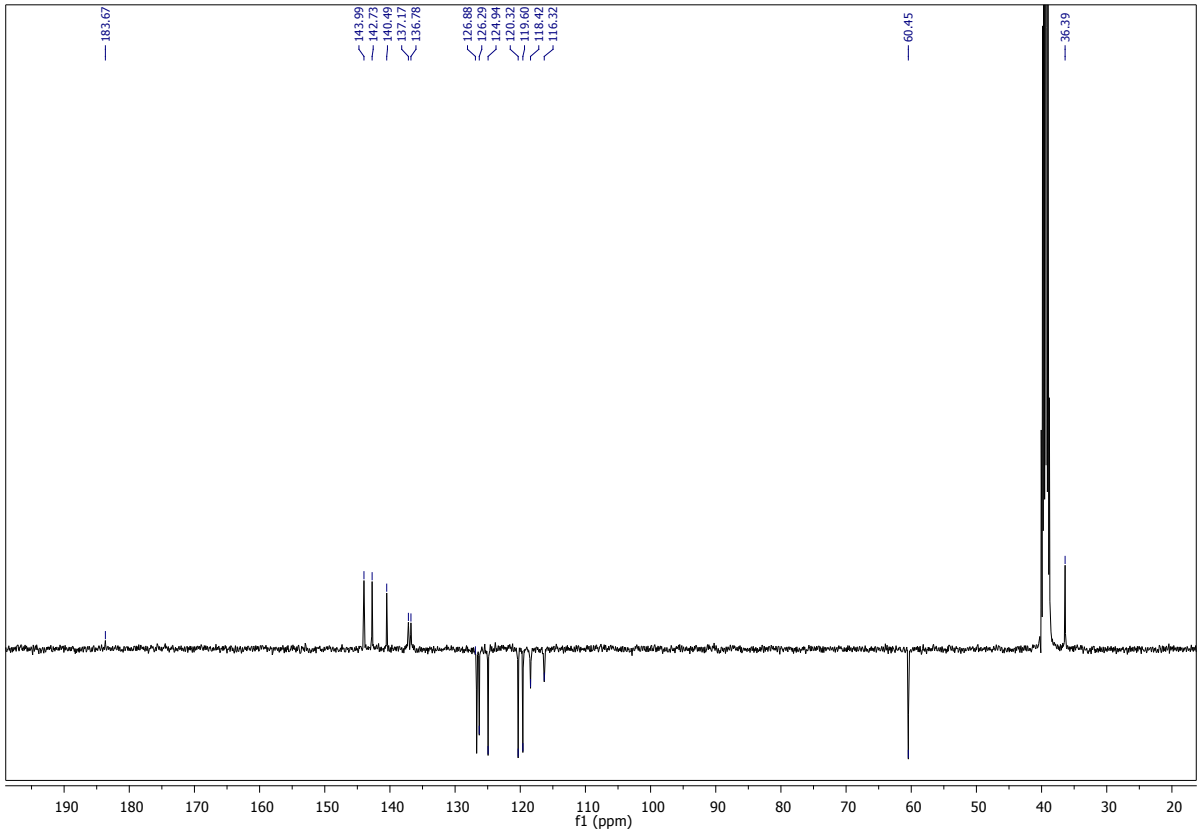
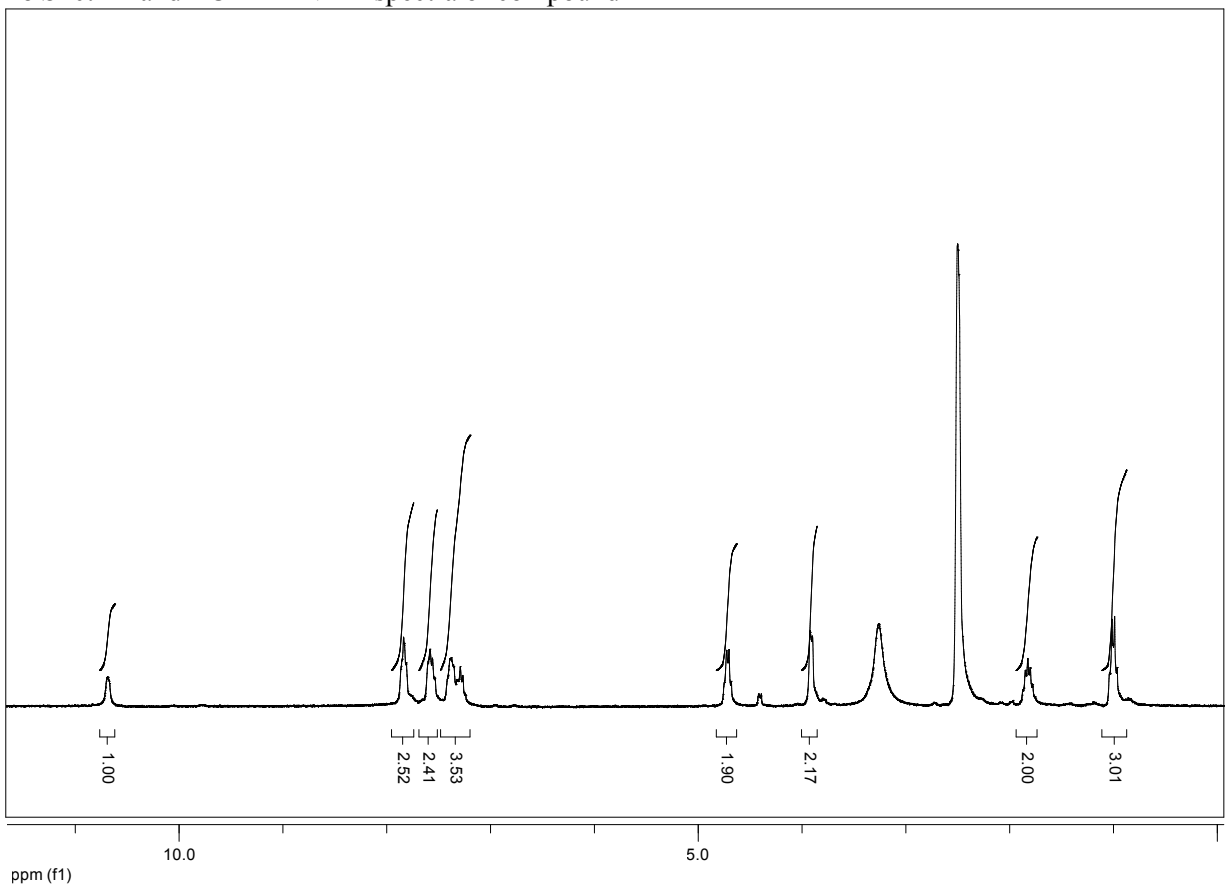


Figure S10. ^{1}H and ^{13}C-APT NMR spectra of compound **7**



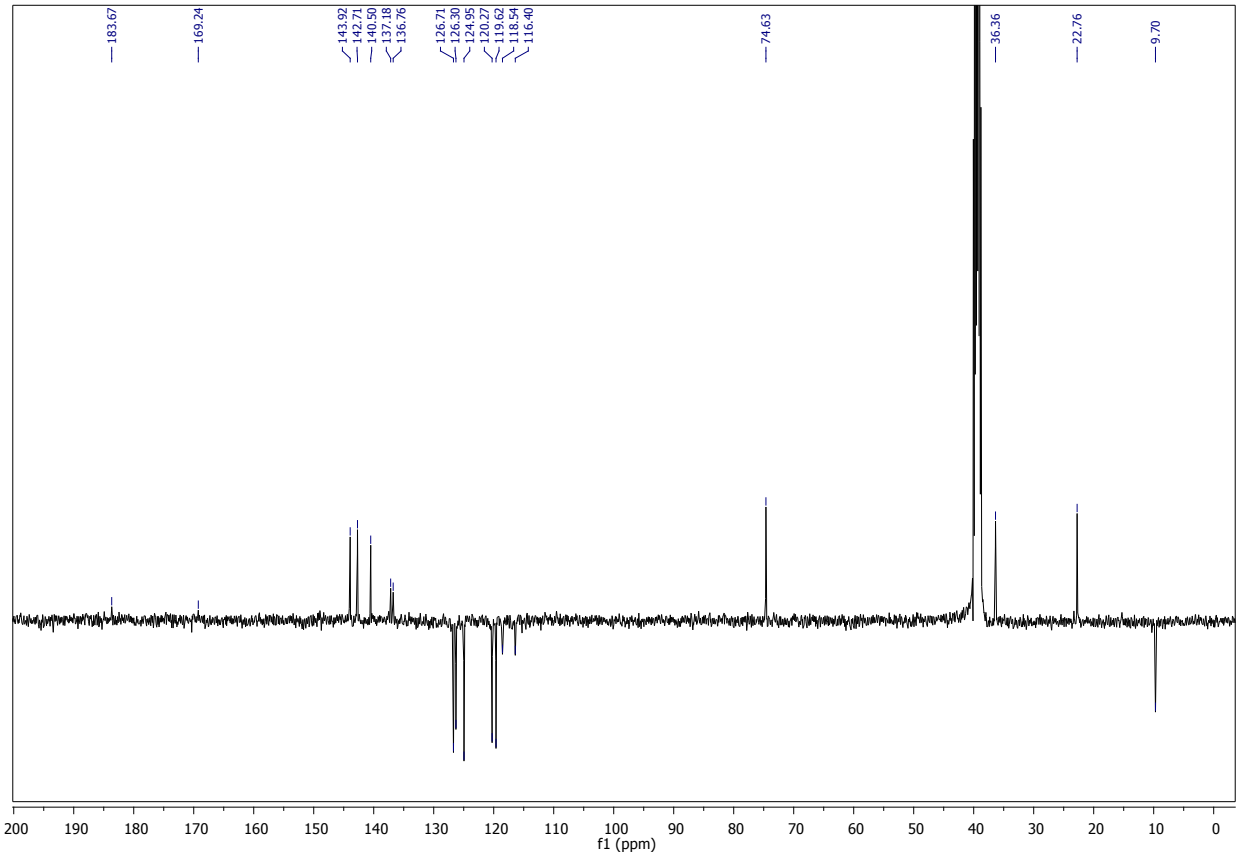


Figure S11. ^{1}H NMR spectrum of compound **8**