

Bioguided isolation of alkaloids and pharmacological effects of the total alkaloid fraction from *Aspidosperma pyrifolium* Mart. (APOCYNACEAE)

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General Experimental Procedures

The fraction was diluted in 0.2% aqueous trifluoroacetic acid (TFA):acetonitrile (ACN) solution (1:1 – v:v) to 1 mg mL⁻¹ and the volume injected into the device was 50 μL . Reverse phase column C-18 maintained at 40° C and, as mobile phase, 0.2% TFA:ACN aqueous solution (77:23 to 65:35 v: v) was used with 10 mL flow rate. min⁻¹, 15 minutes, gradient mode. The sample was injected on preparative HPLC (2767 Sample Manager system, Waters, with UV-Vis photodiode detector). ^1H and ^{13}C NMR spectra (500 and 125 MHz, acetone- d_6) (1D and 2D) were recorded on a Varian Mercury spectrometer using TMS as the internal standard.

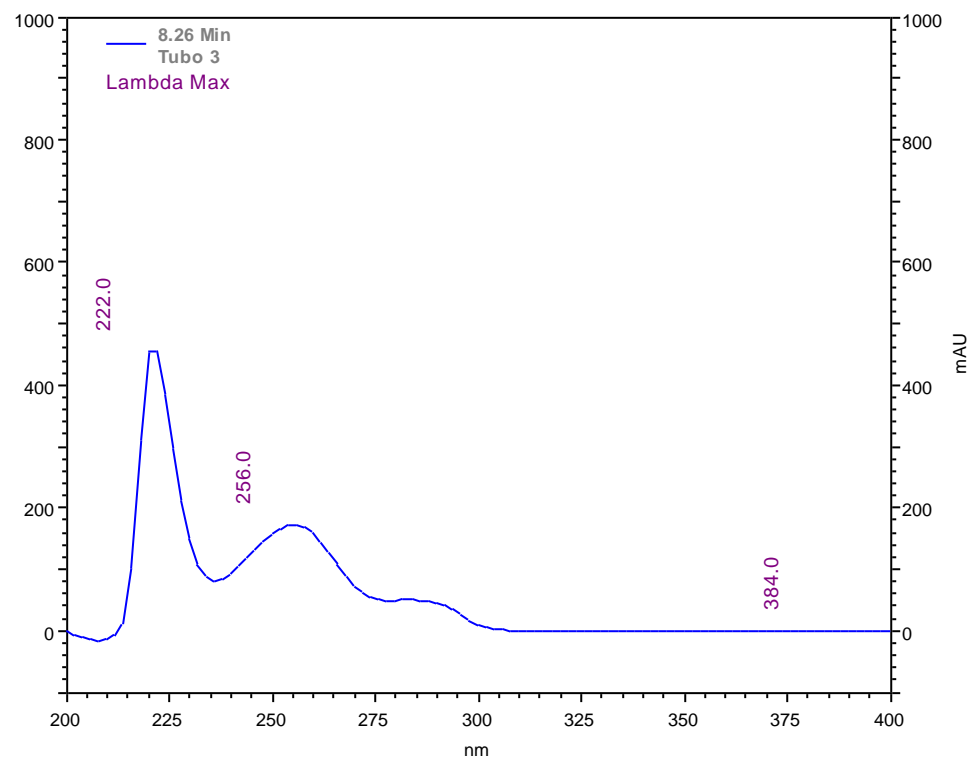


Figure S1. UV spectrum de **1** and **2**

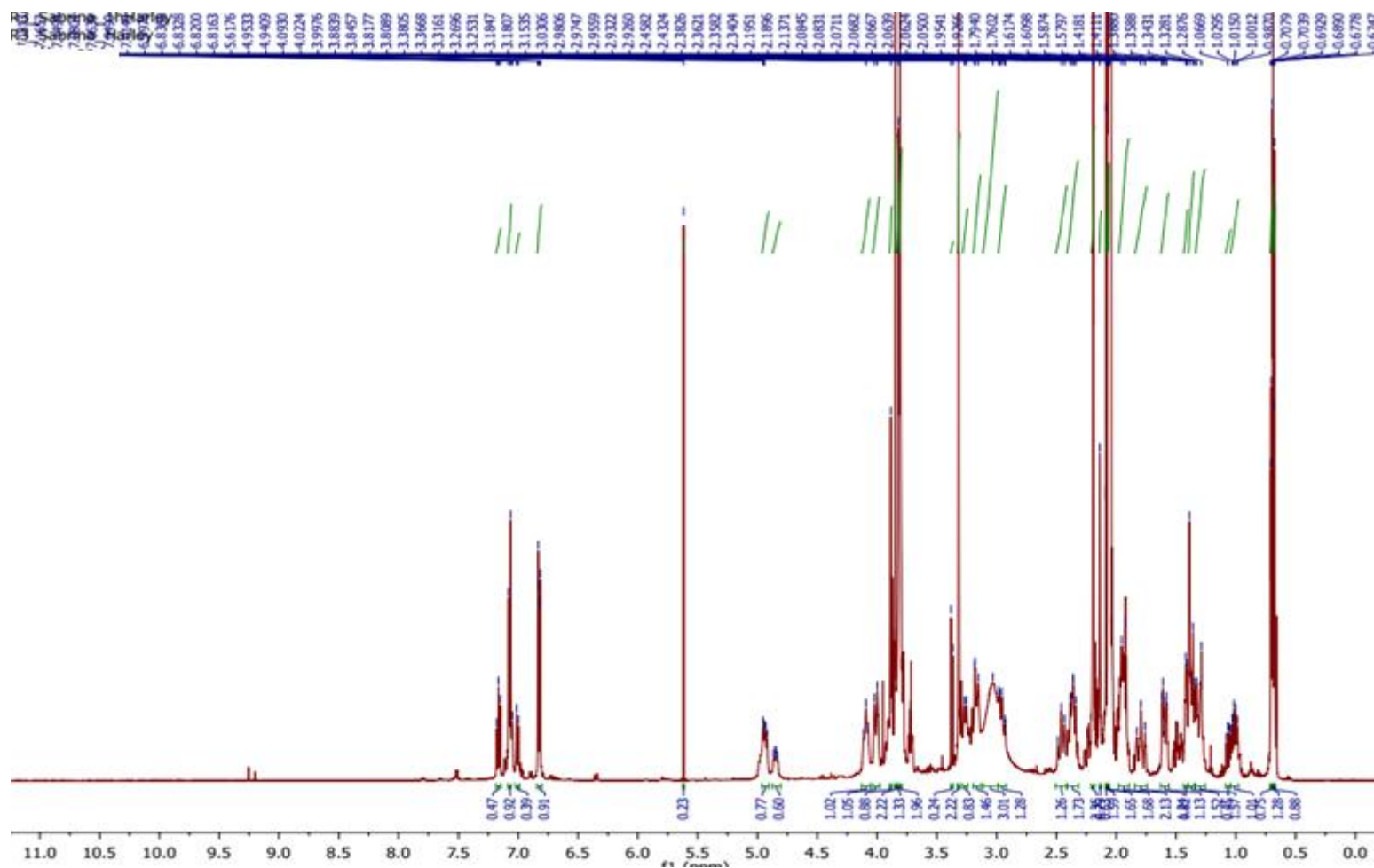


Figure S2. ^1H NMR spectrum of **1** and **2** (500 MHz, acetone- d_6)

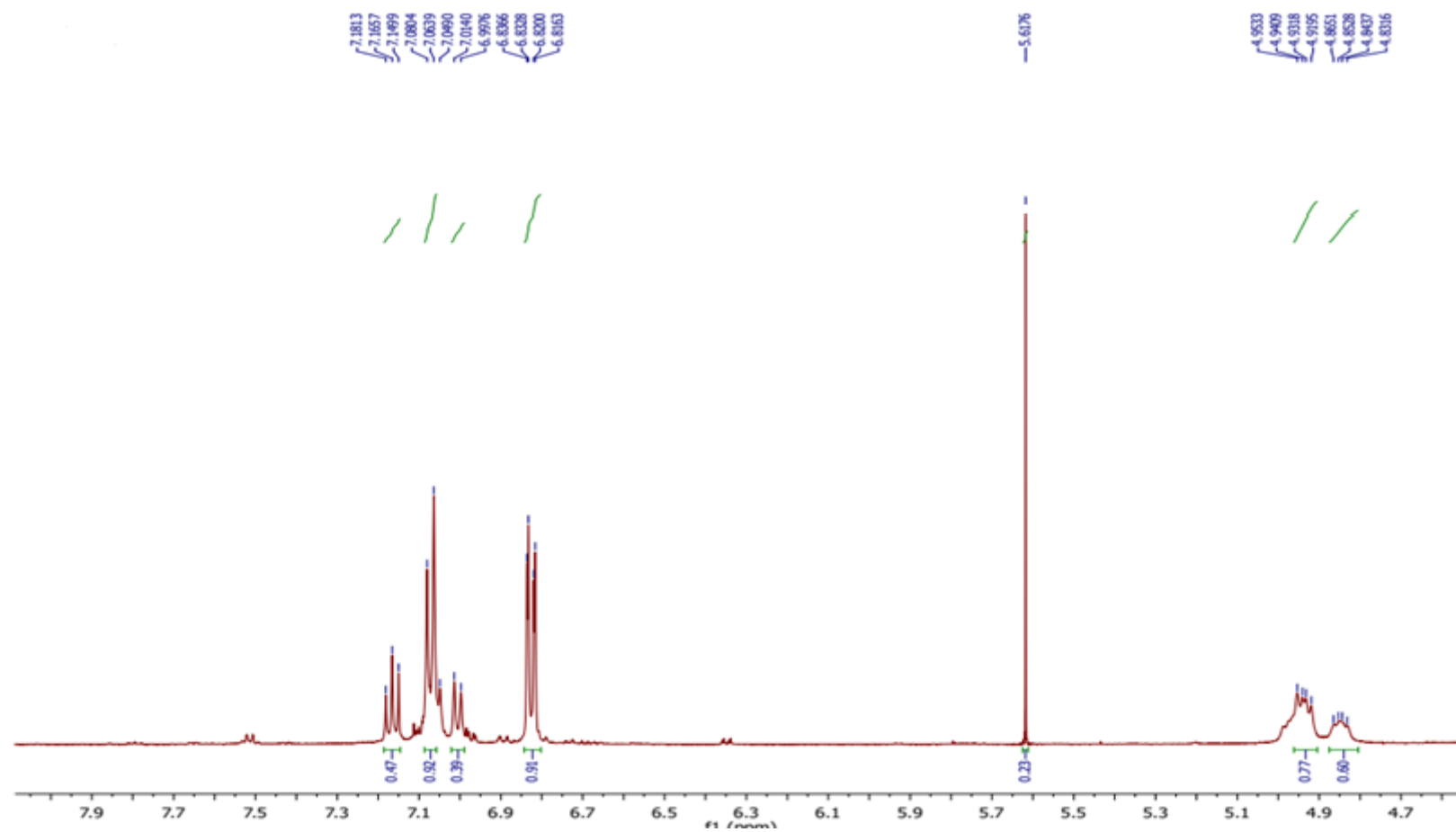


Figure S3. ^1H NMR spectrum expansion of **1** and **2** (500 MHz, acetone-d_6)

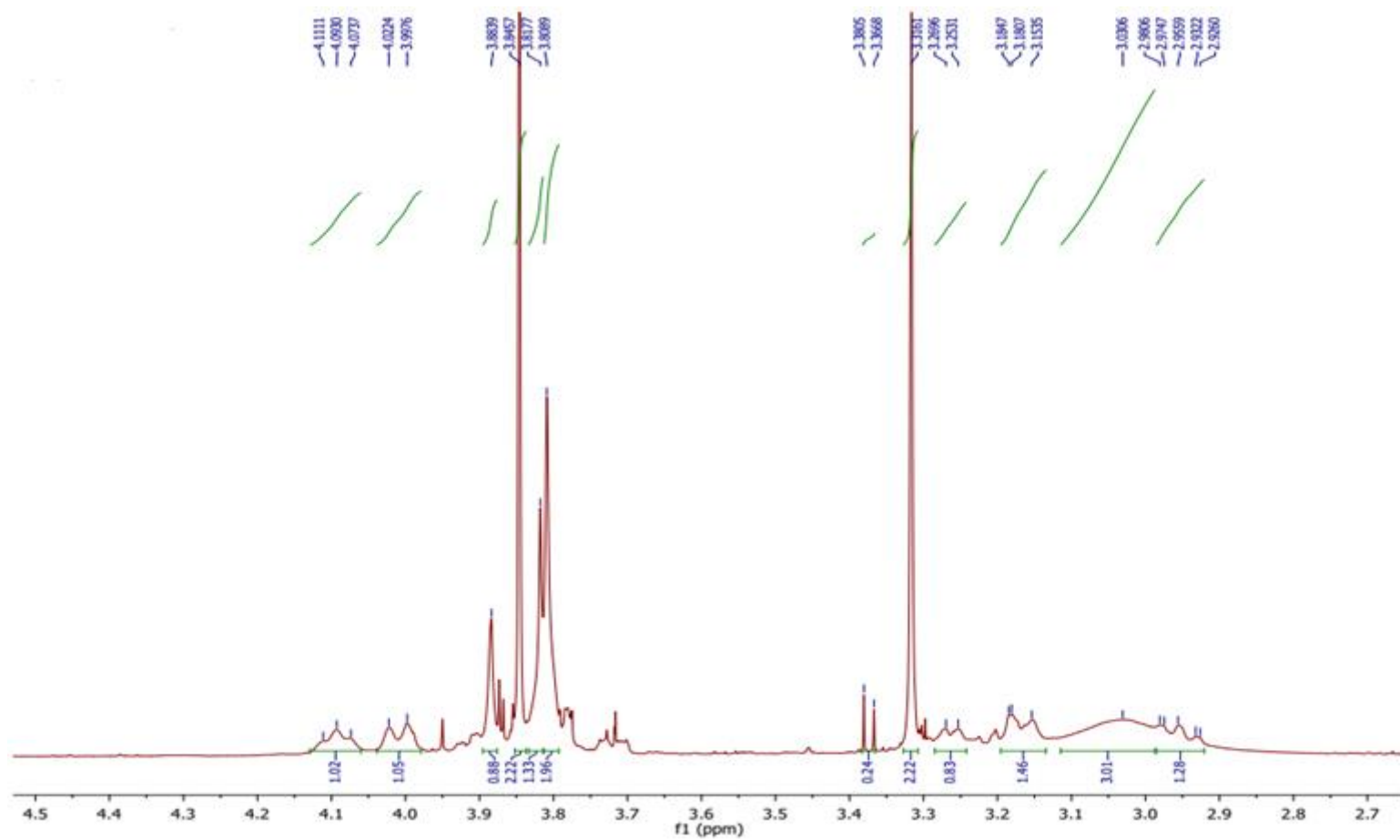


Figure S4. ^1H NMR spectrum expansion of **1** and **2** (500 MHz, acetone- d_6)

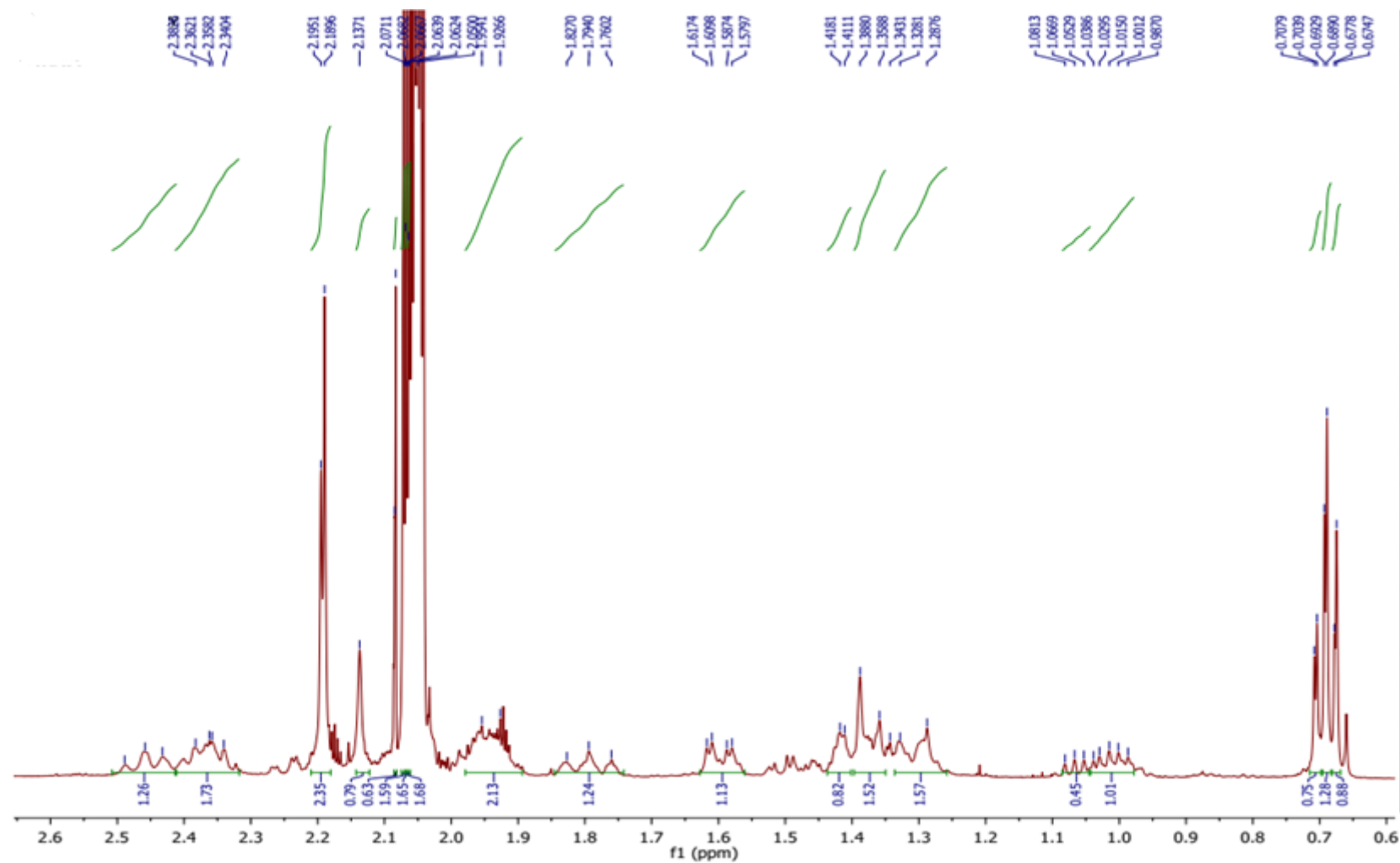


Figure S5. ^1H NMR spectrum expansion of **1** and **2** (500 MHz, acetone-d_6)

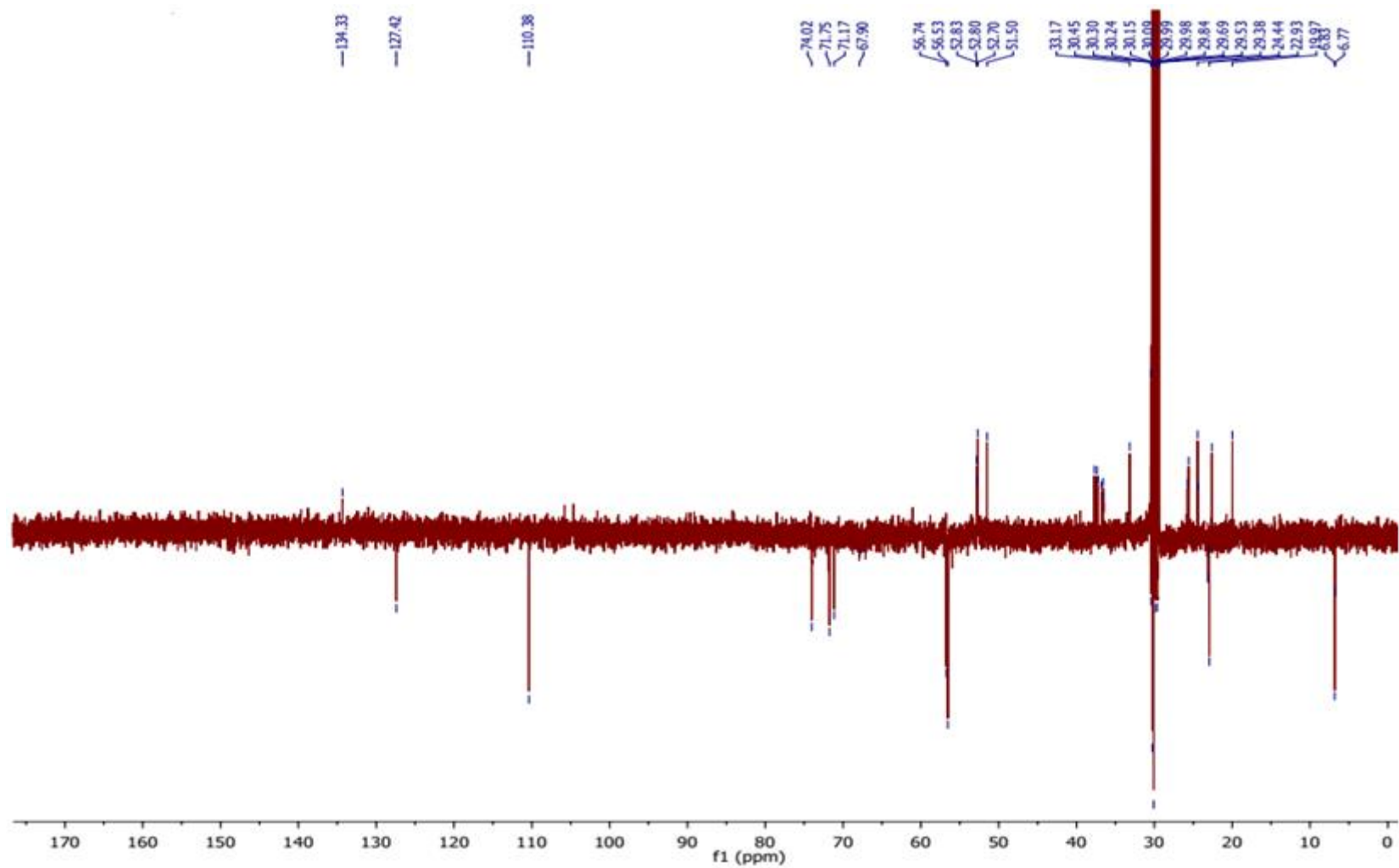


Figure S6. ^{13}C NMR spectrum of **1** and **2** (125 MHz, acetone- d_6)

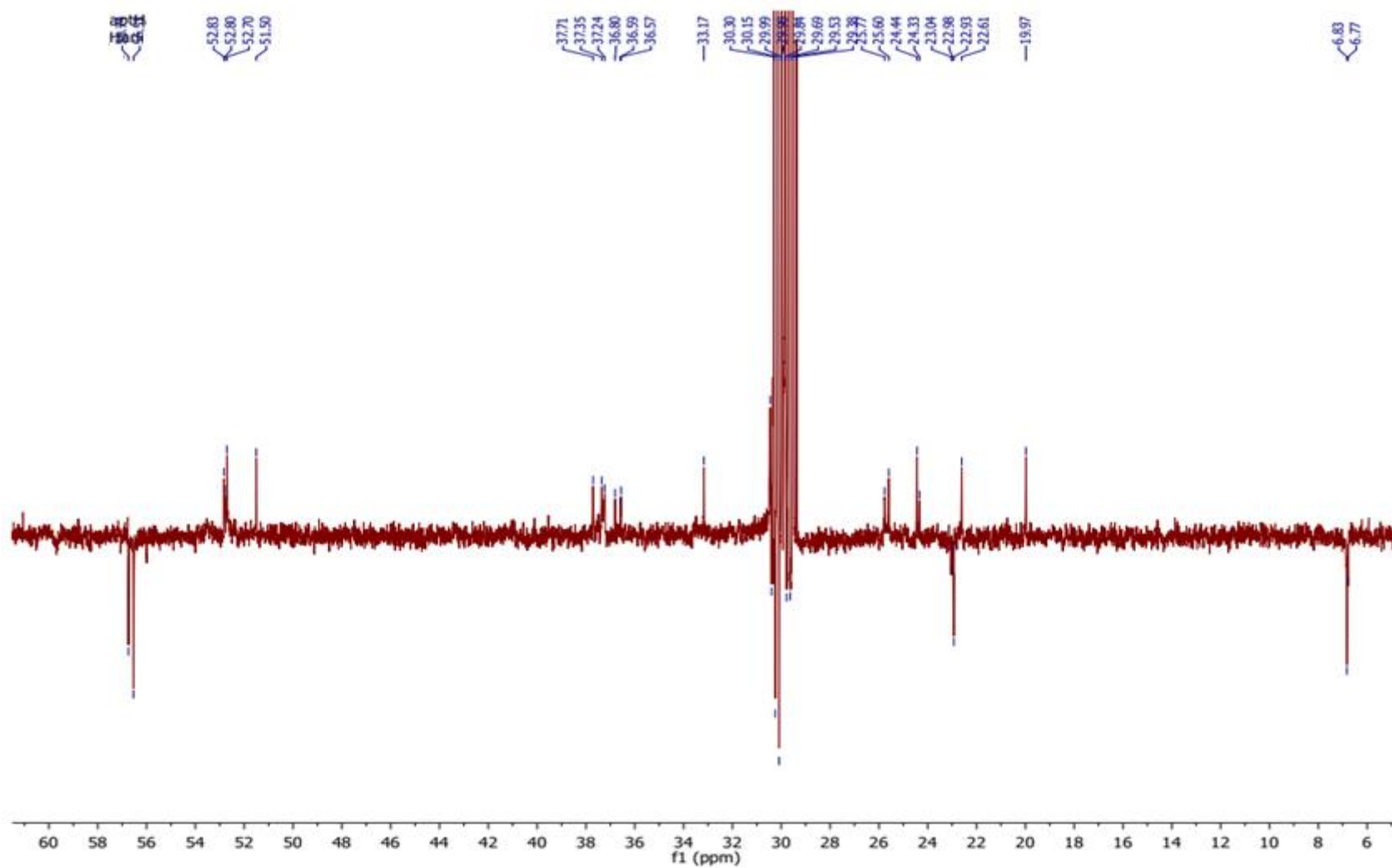


Figure S7. ^{13}C NMR spectrum expansion of **1** and **2** (125 MHz, acetone- d_6)

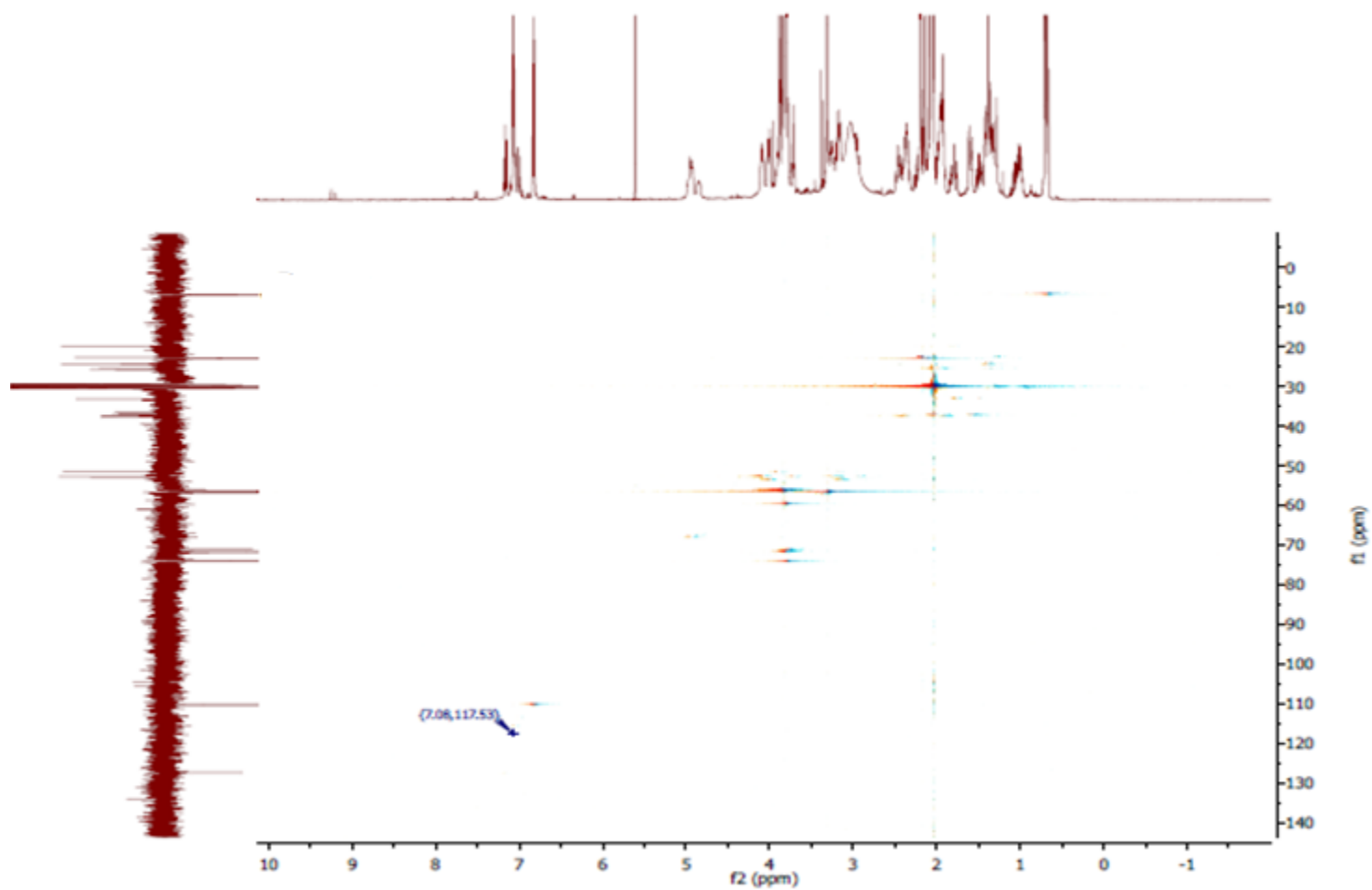


Figure S8. HSQC spectrum of **1** and **2** (acetone- d_6)

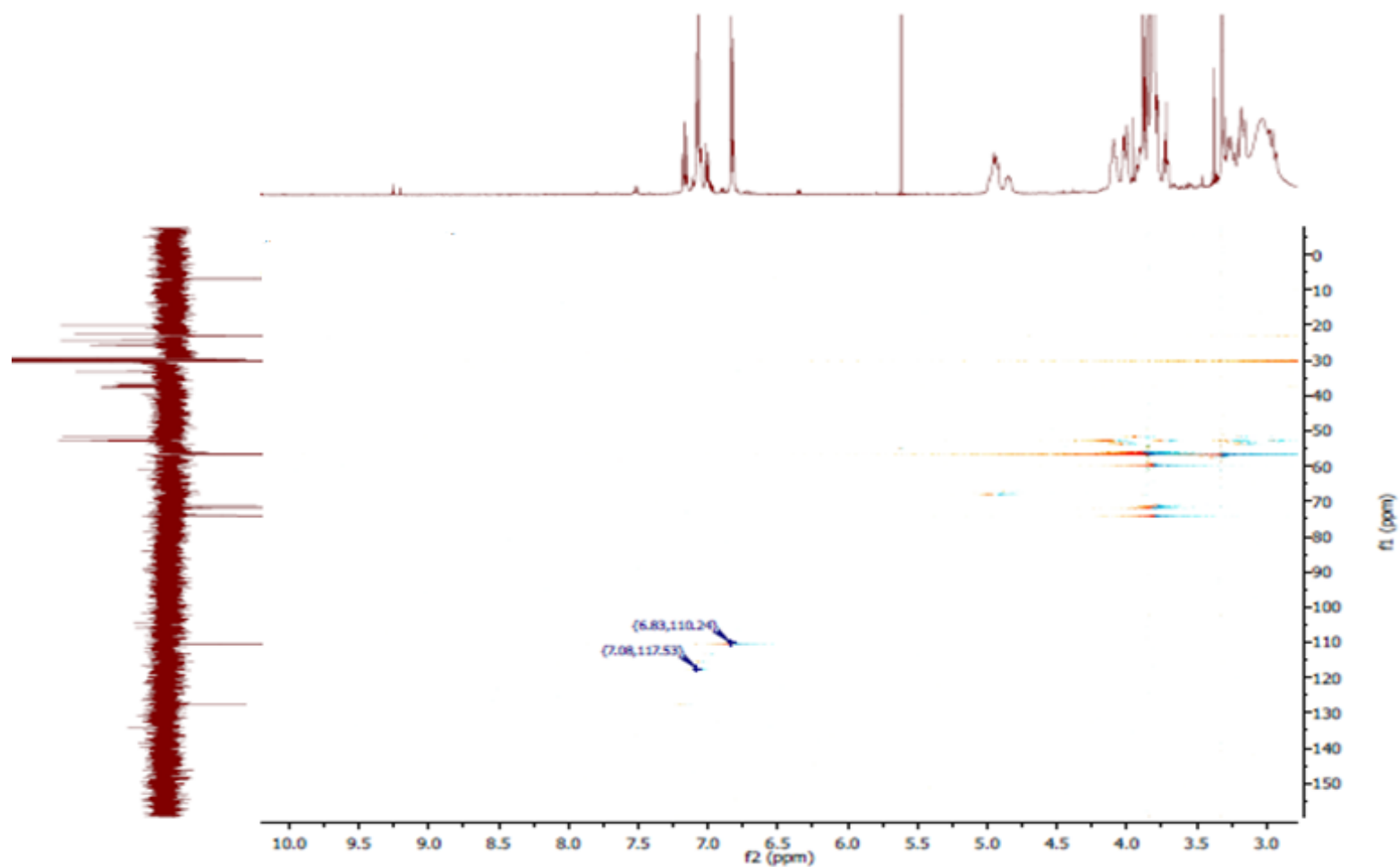


Figure S9. HSQC spectrum expansion of **1** and **2** (acetone- d_6)

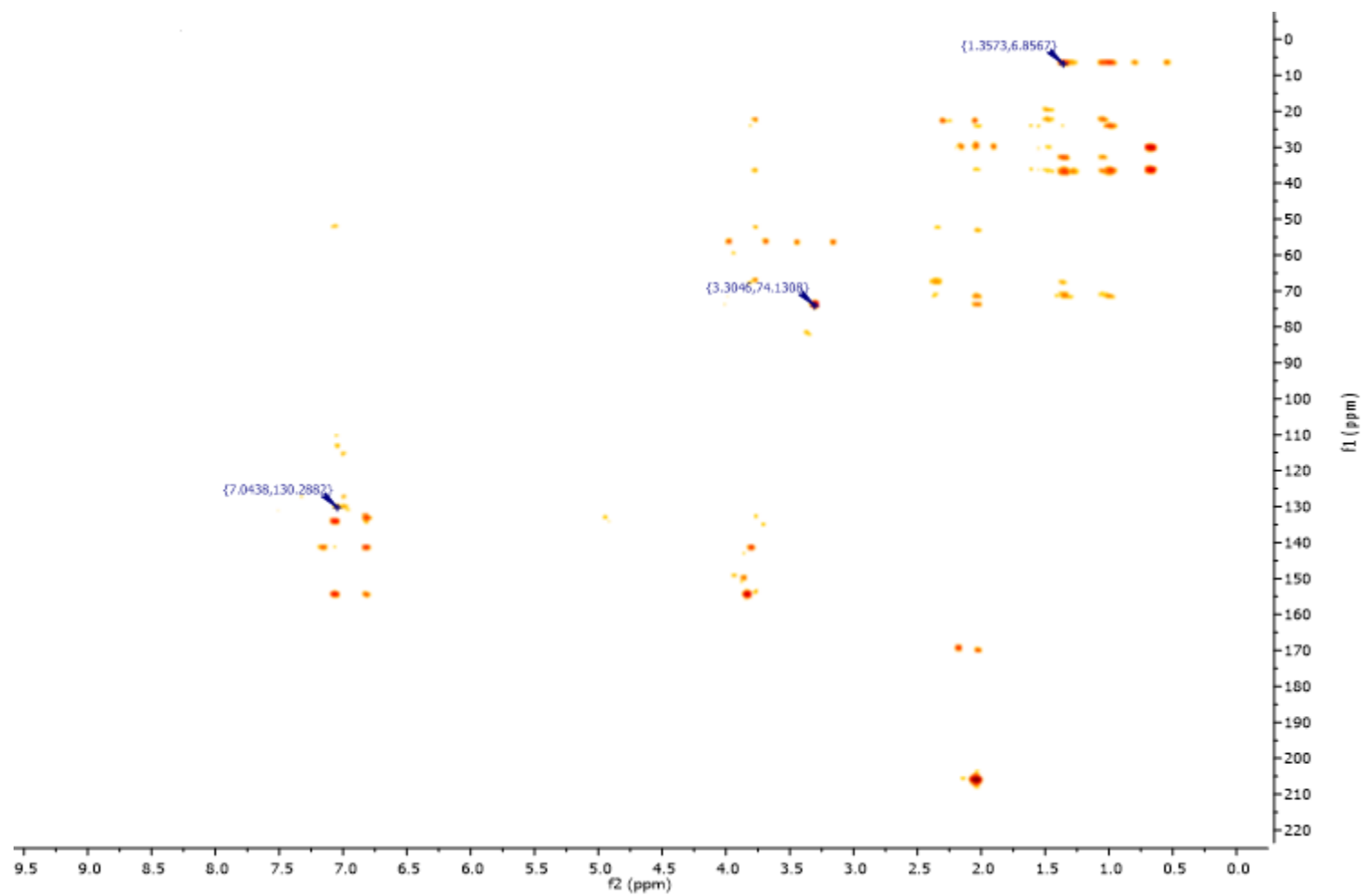


Figure S10. HMBC spectrum of **1** and **2** (acetone- d_6)

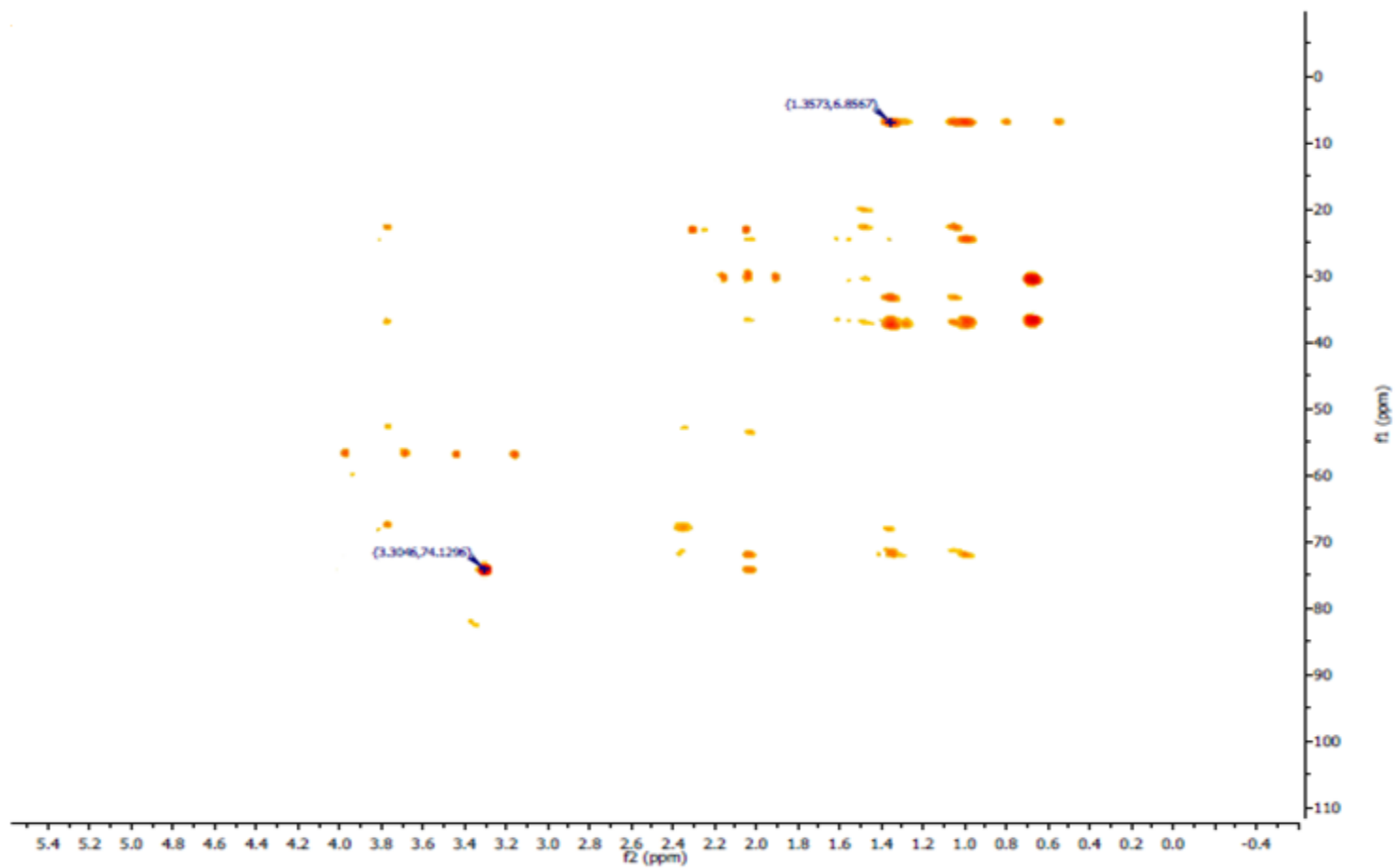


Figure S11. HMBC spectrum expansion of **1** and **2** (acetone- d_6)

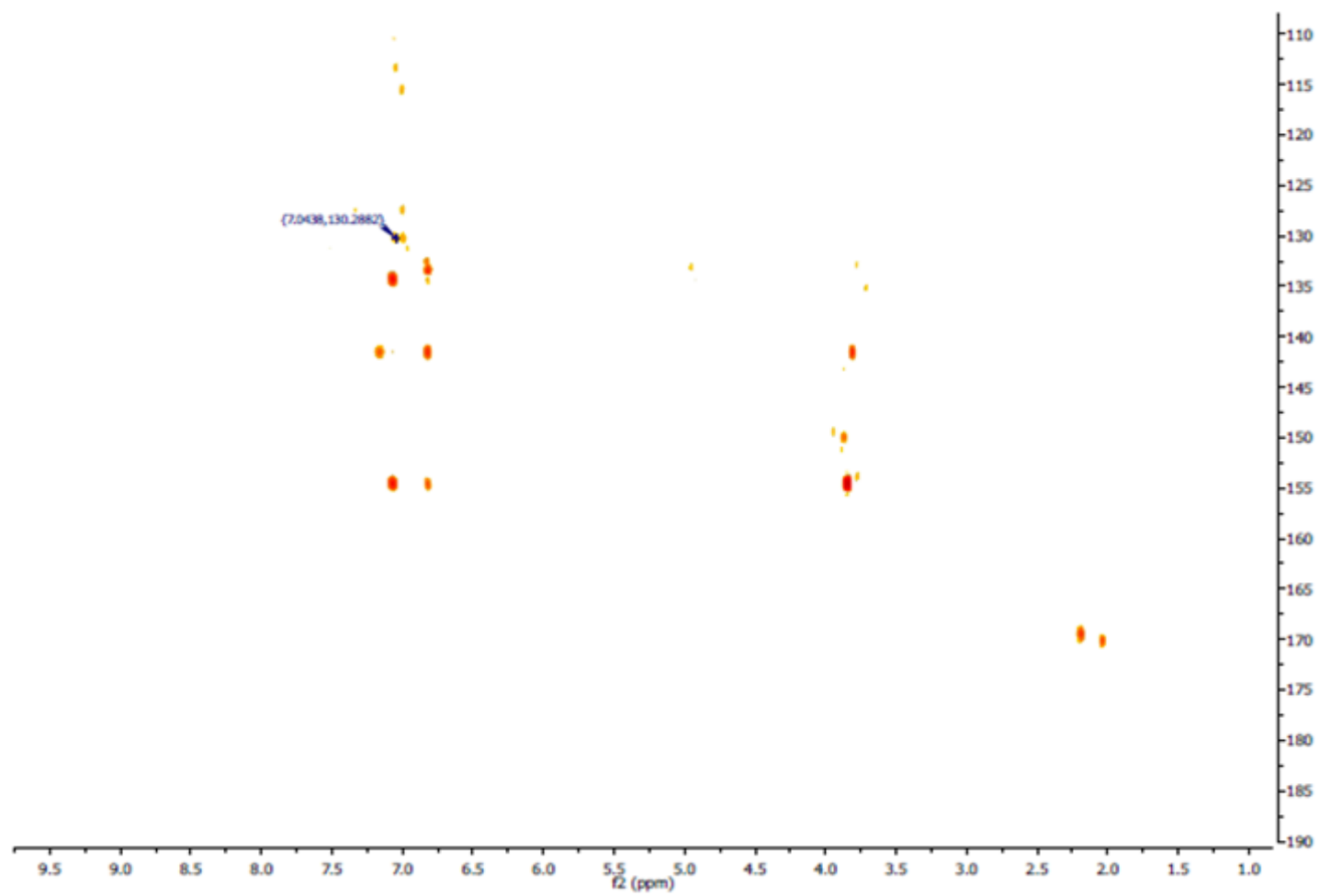


Figure S12. HMBC spectrum expansion of **1** and **2** (acetone- d_6)

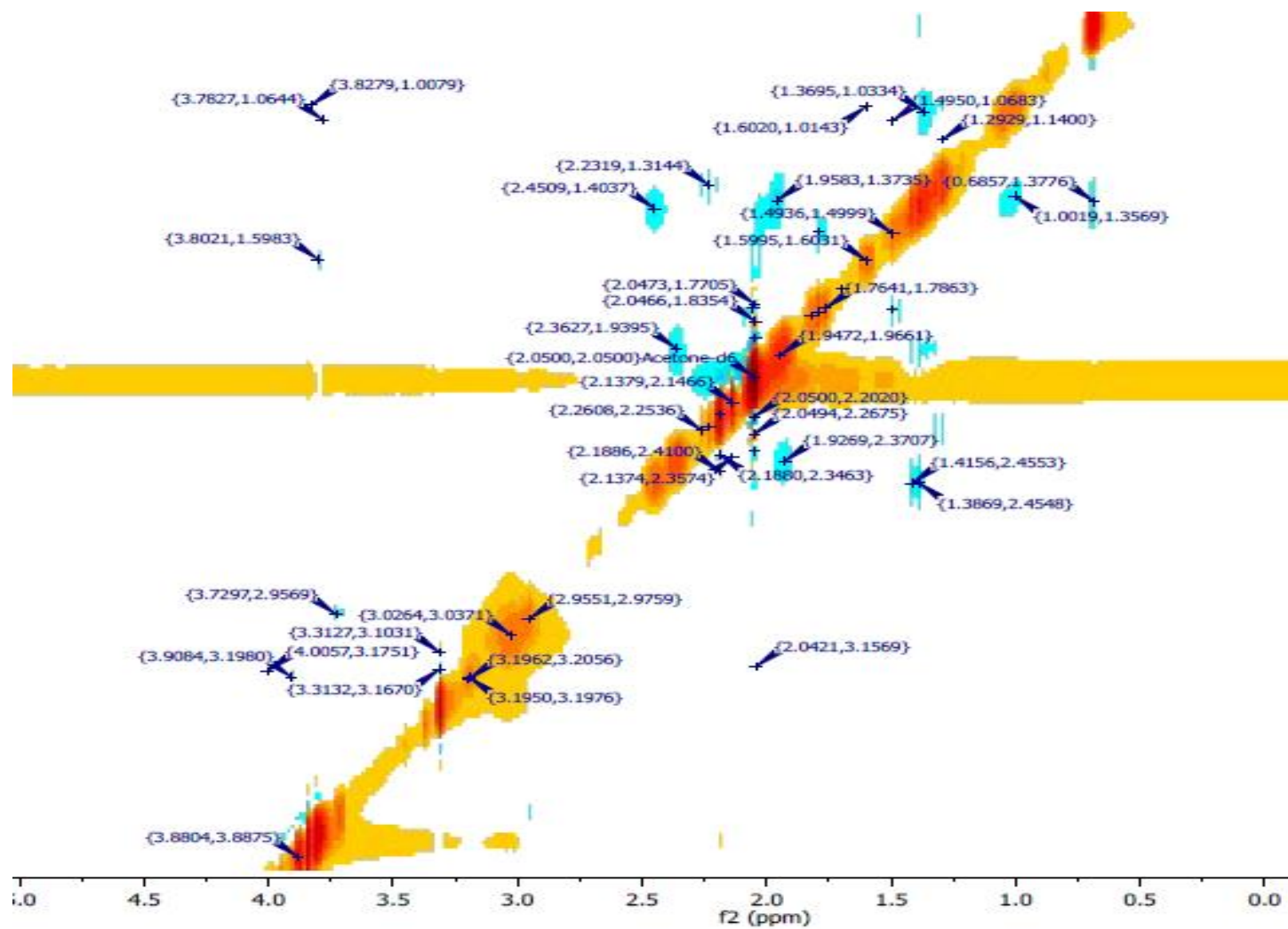


Figure S13. NOESY spectrum expansion of **1** and **2** (acetone- d_6)