

Supporting Information

New triterpenoidal saponins from *Koelreuteria paniculata*

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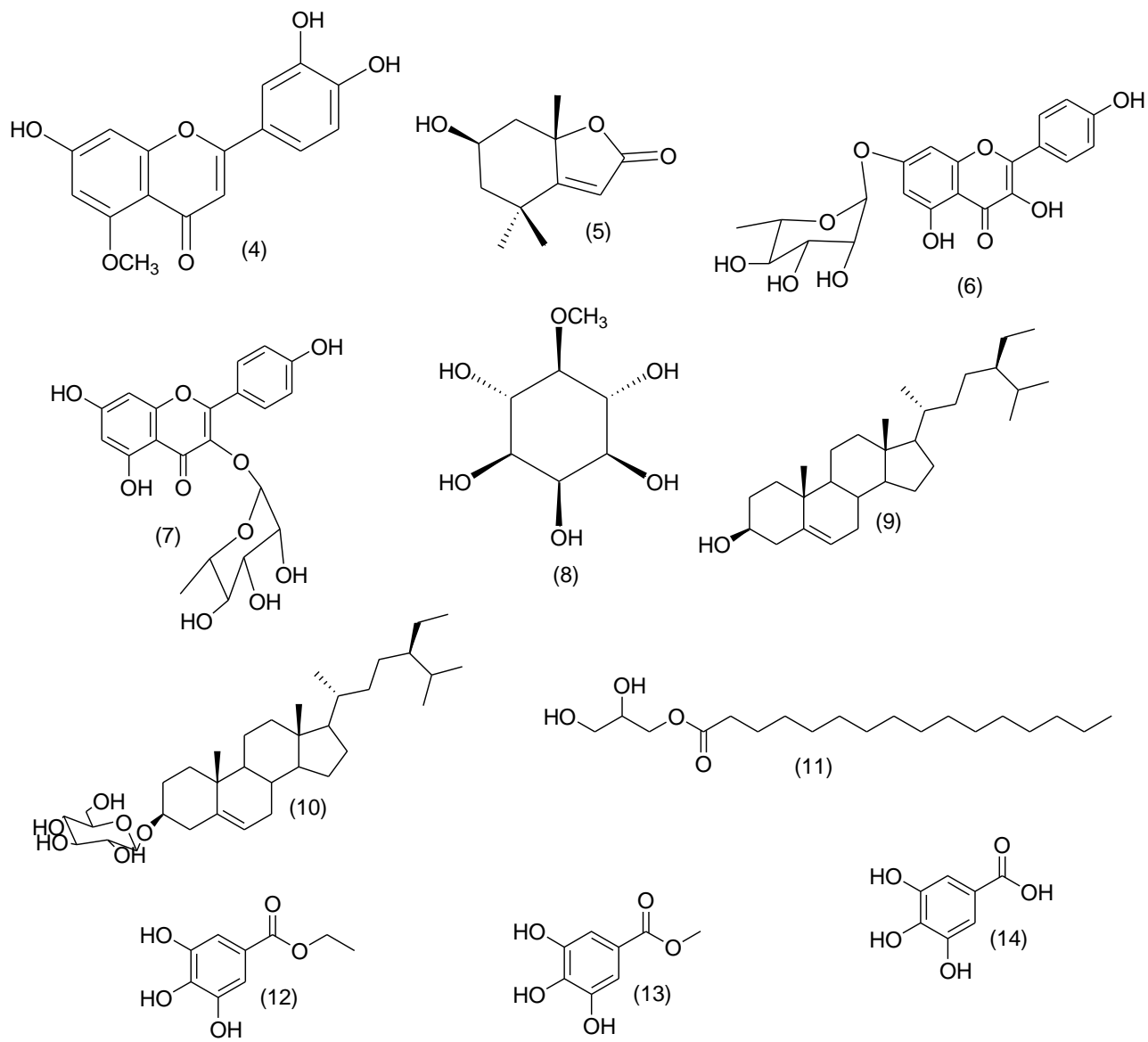


Figure 1: Chemical Structure of Compounds 4-14.

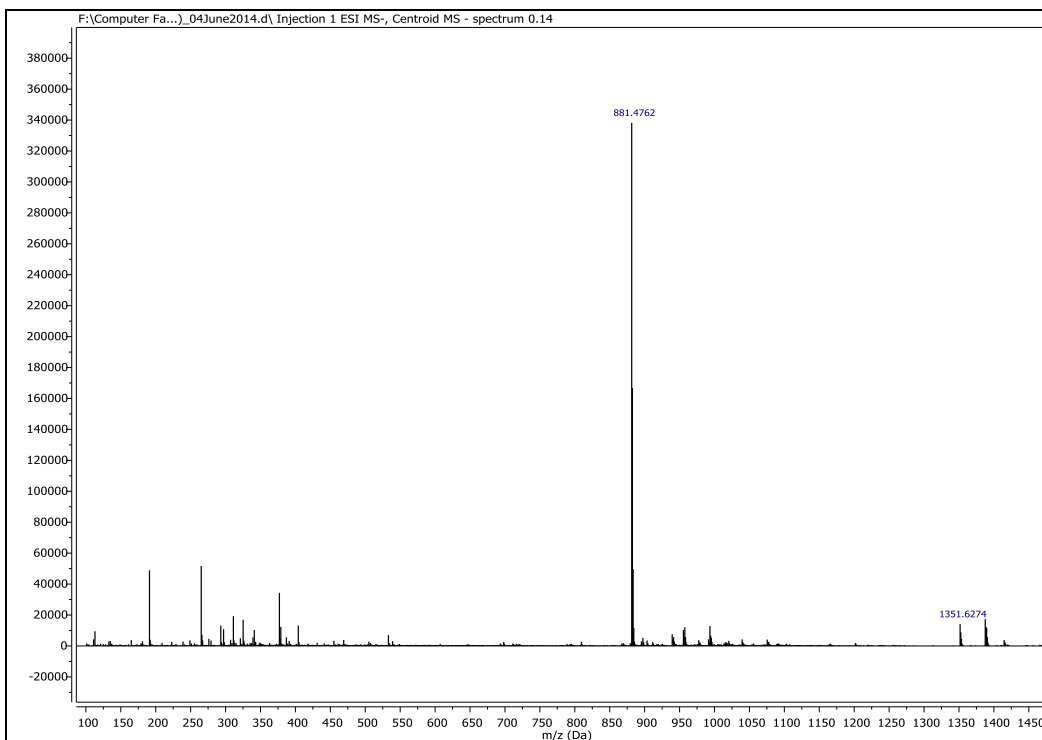


Figure 2: Negative HR-ESIMS spectrum for compound **1**.

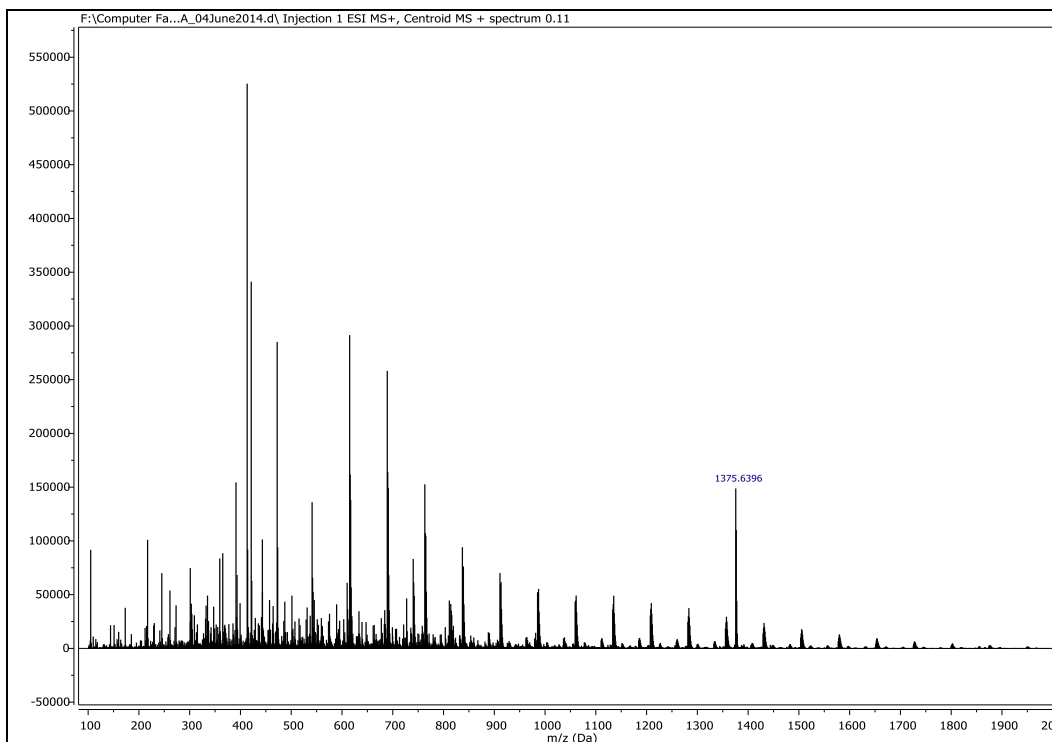


Figure 3: Positive HR-ESIMS spectrum for compound **1**.

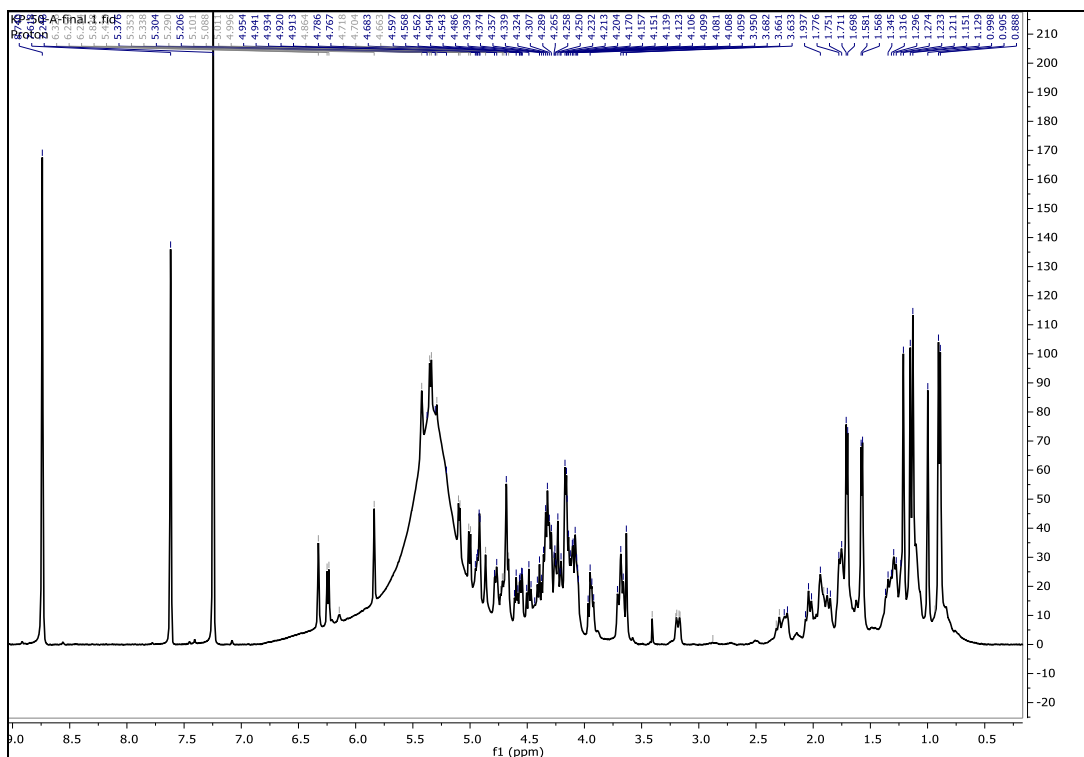


Figure 4: $^1\text{H-NMR}$ spectrum (400 MHz, δ in ppm) for compound **1** in $\text{Pyridine-}d_6$

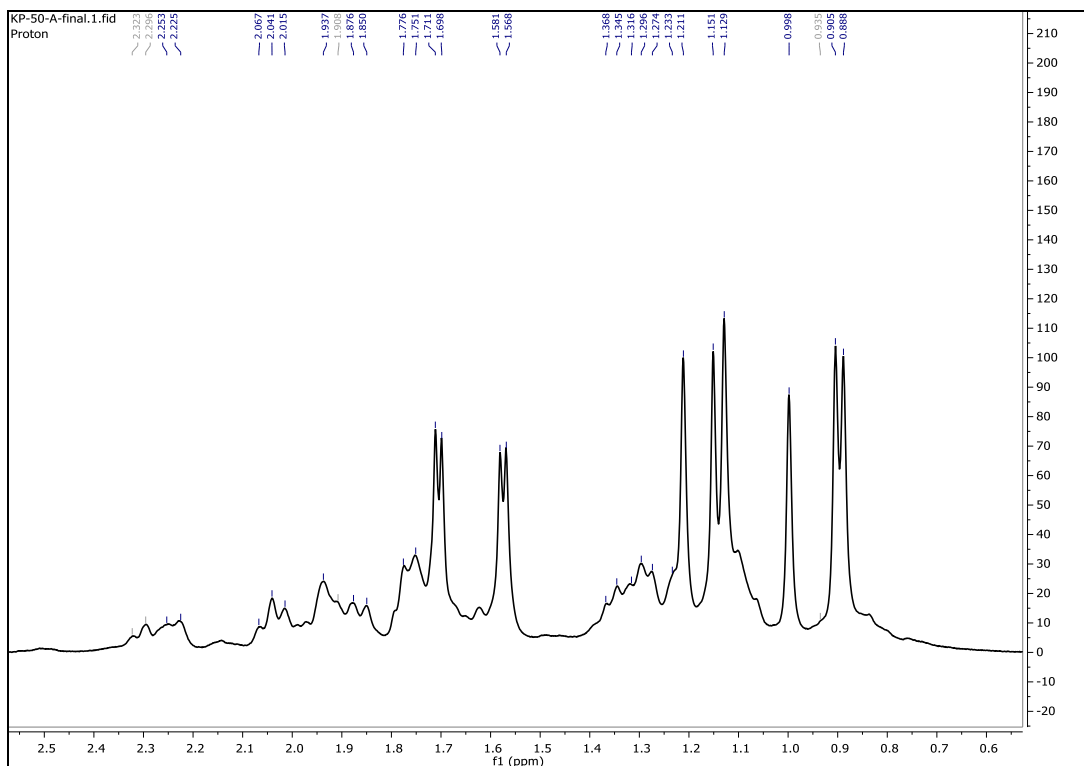


Figure 5: Expanded $^1\text{H-NMR}$ spectrum (400 MHz, δ in ppm) for compound **1** in $\text{Pyridine-}d_6$

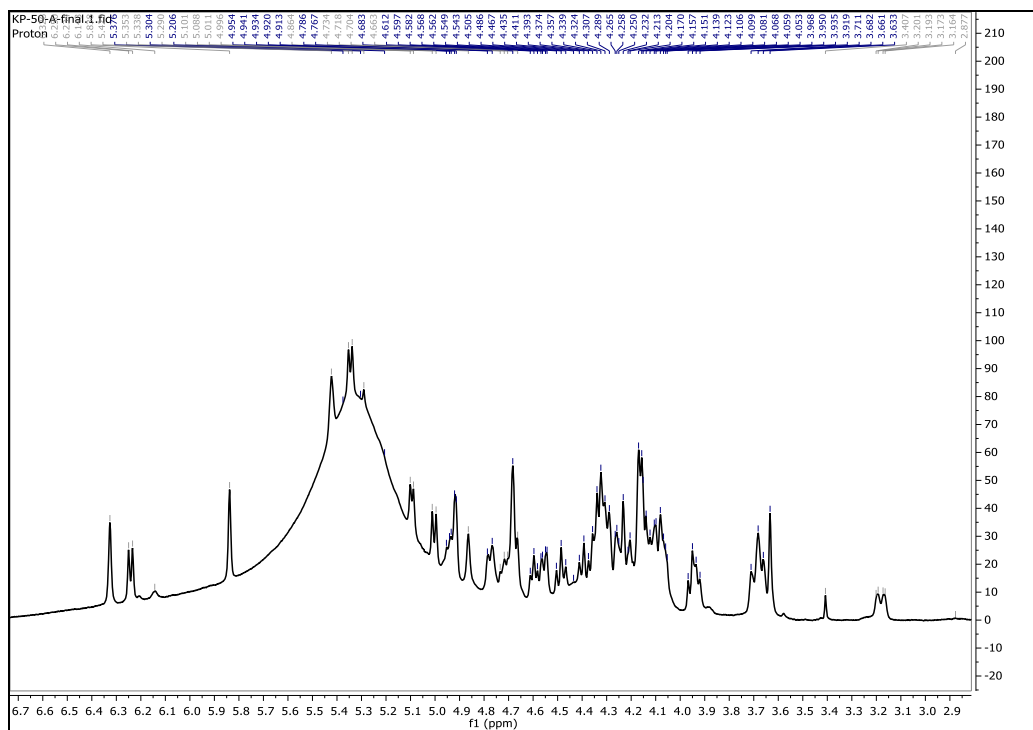


Figure 6: Expanded ^1H -NMR spectrum (400 MHz, δ in ppm) for compound **1** in Pyridine- d_6

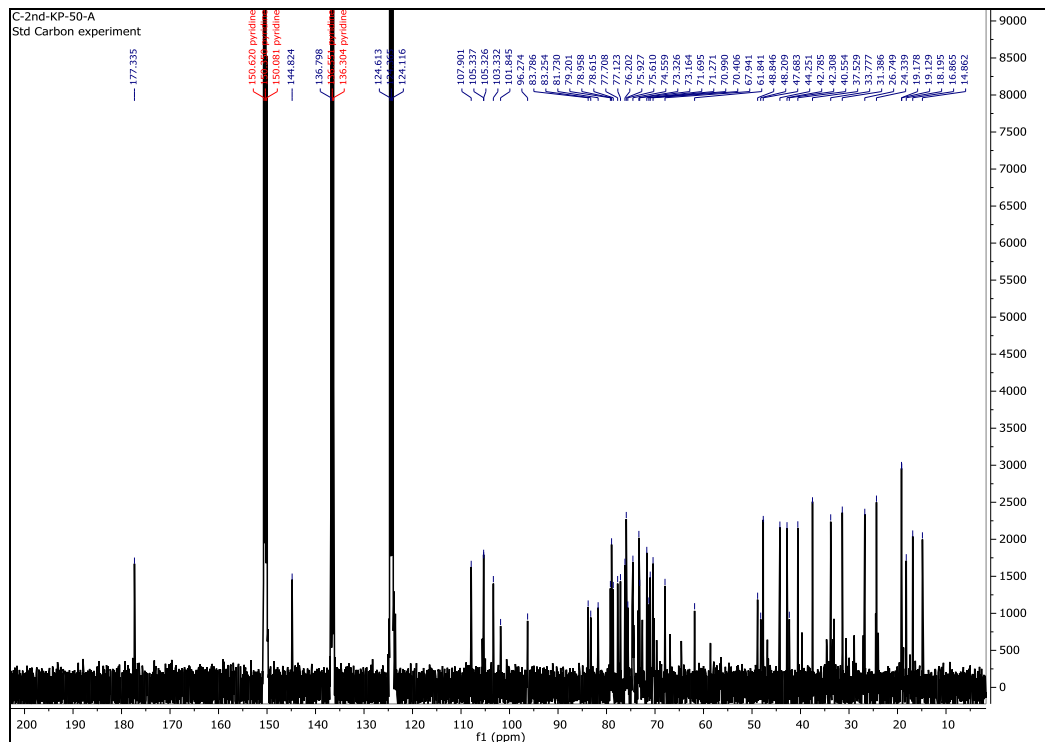


Figure 7: ^{13}C -NMR spectrum (100 MHz, δ in ppm) for compound **1** in Pyridine- d_6

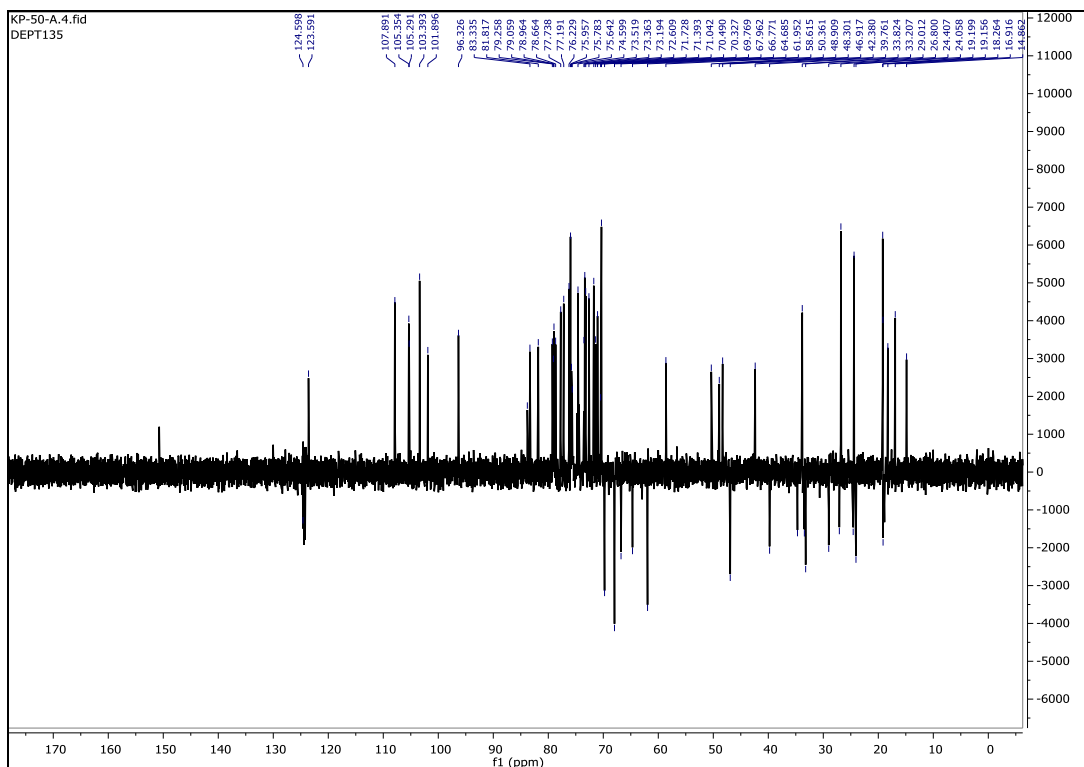


Figure 8: DEPT spectrum (400 MHz, δ in ppm) for compound **1** in Pyridine- d_6

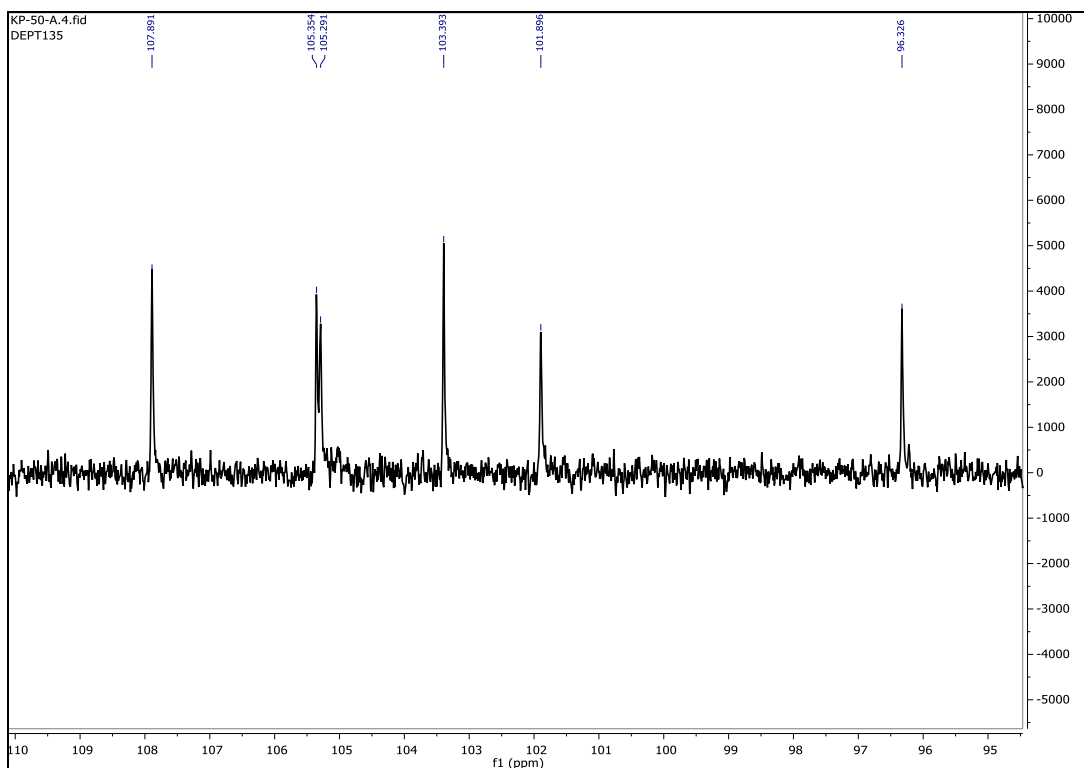


Figure 9: Expanded DEPT spectrum (400 MHz, δ in ppm) for compound **1** in Pyridine- d_6

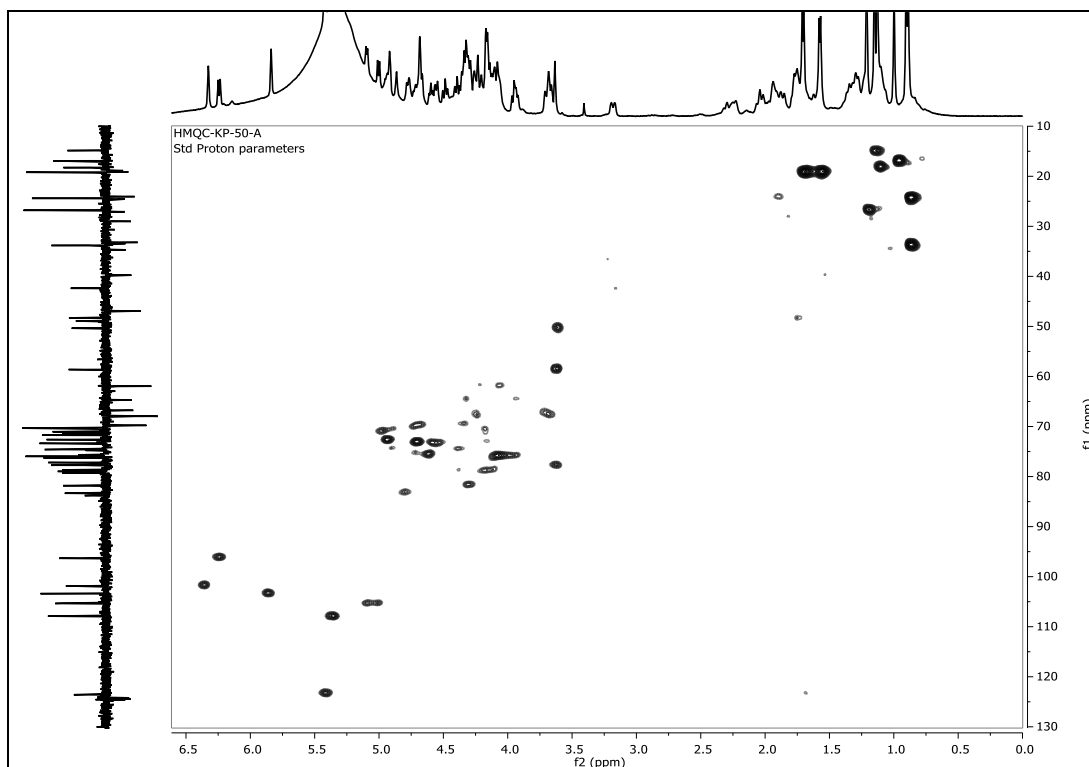


Figure 10: HMQC spectrum (400 MHz, δ in ppm) for compound **1** in Pyridine- d_6

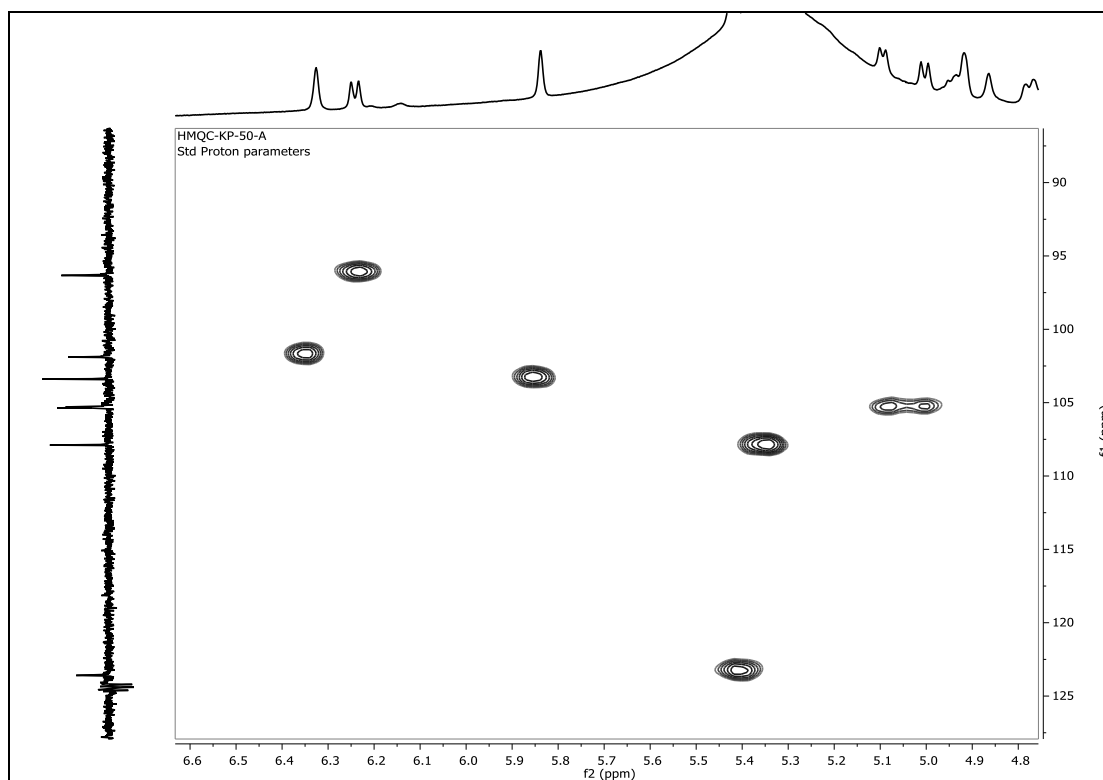


Figure 11: Expanded HMQC spectrum (400 MHz, δ in ppm) for compound **1** in Pyridine- d_6

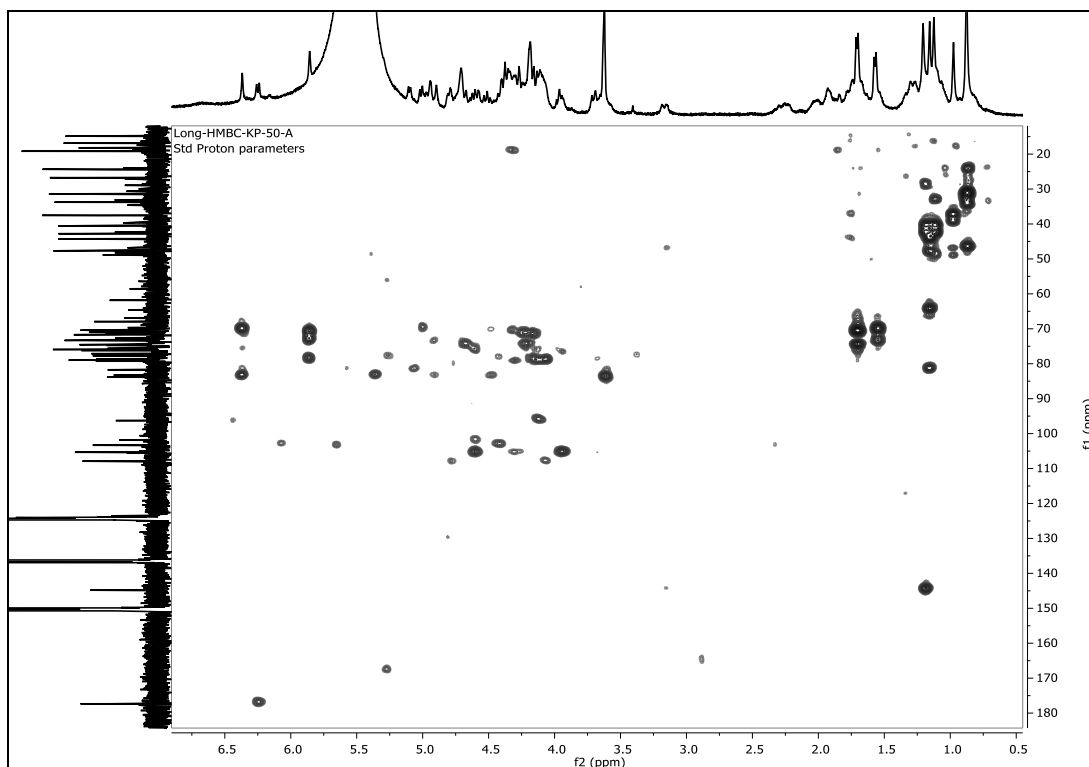


Figure 12: HMBC spectrum (400 MHz, δ in ppm) for compound **1** in Pyridine- d_6

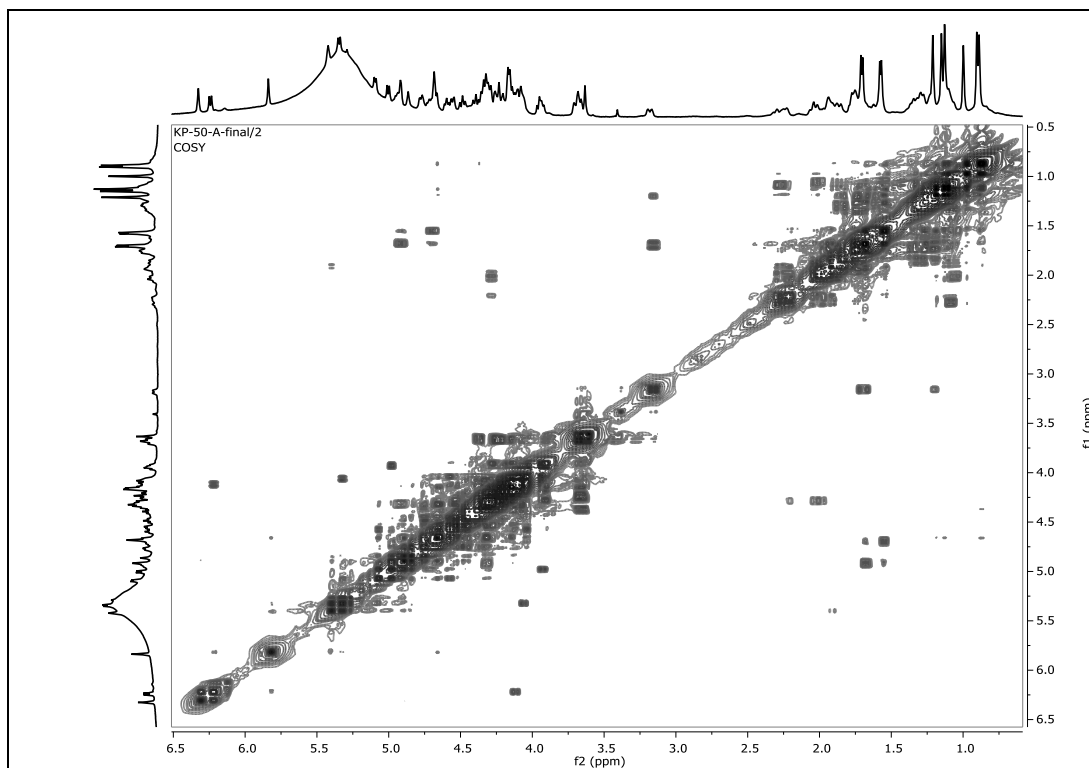


Figure 13: COSY spectrum (400 MHz, δ in ppm) for compound **1** in Pyridine- d_6

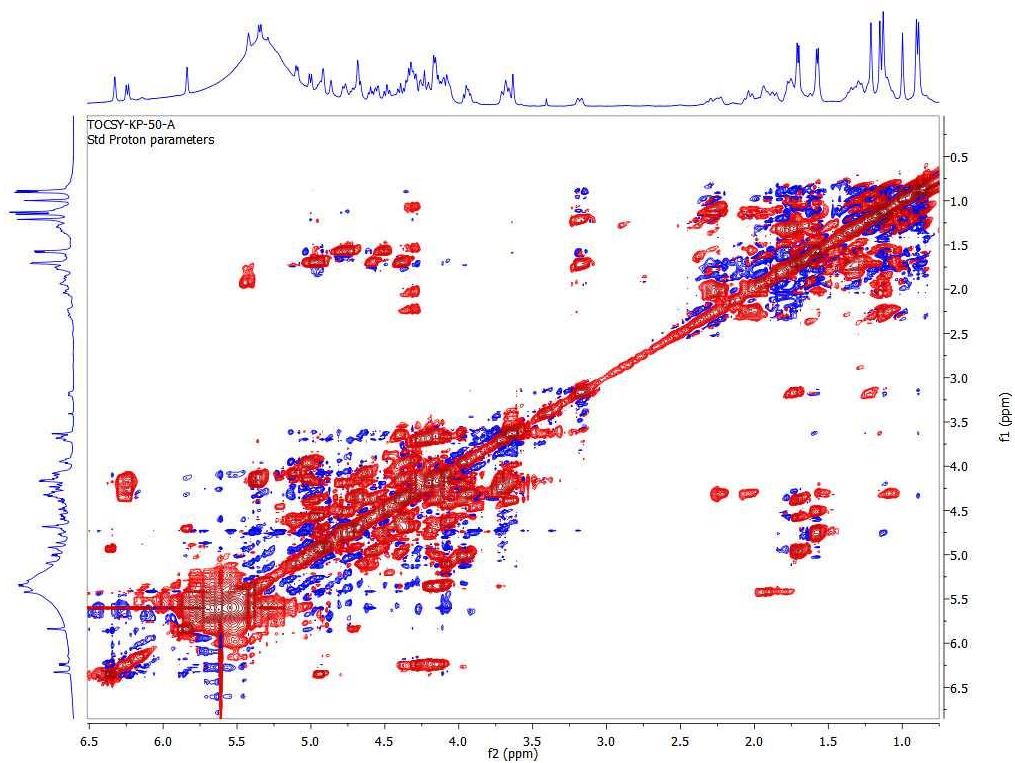


Figure 14: TOCSY spectrum (400 MHz, δ in ppm) for compound **1** in Pyridine- d_6

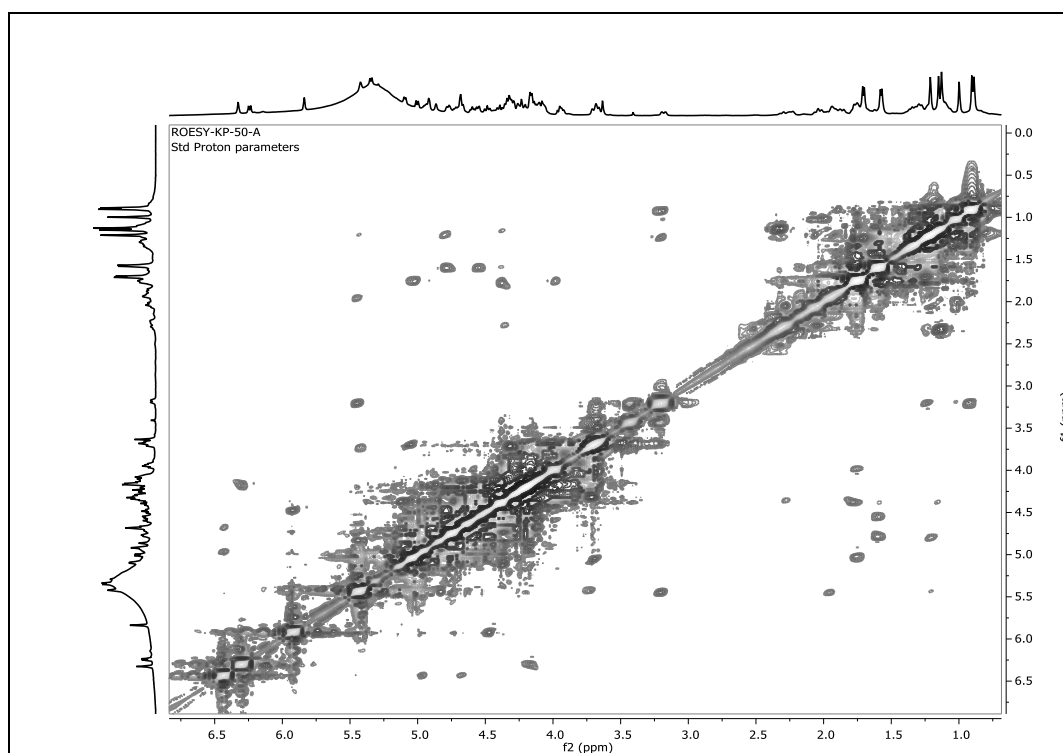


Figure 15: ROESY spectrum (400 MHz, δ in ppm) for compound **1** in Pyridine- d_6

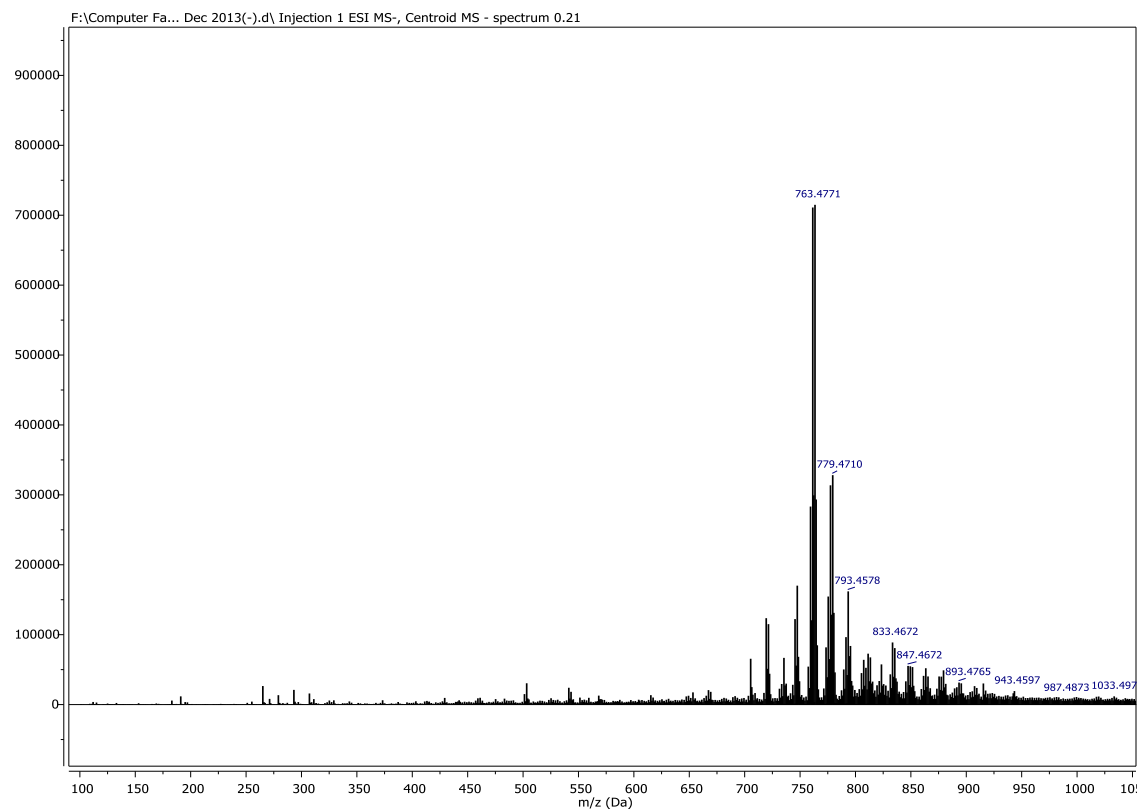


Figure 16: Negative HR-ESIMS spectrum for compound **2**.

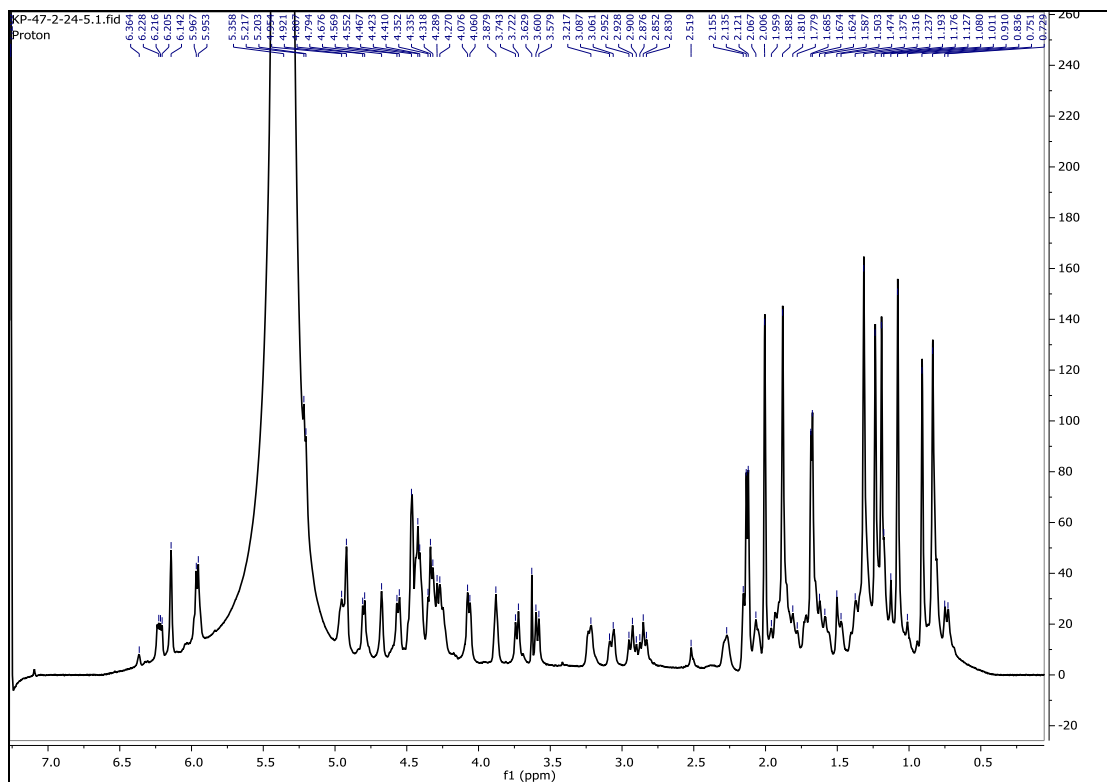


Figure 17: $^1\text{H-NMR}$ spectrum (400 MHz, δ in ppm) for compound **2** in Pyridine- d_6

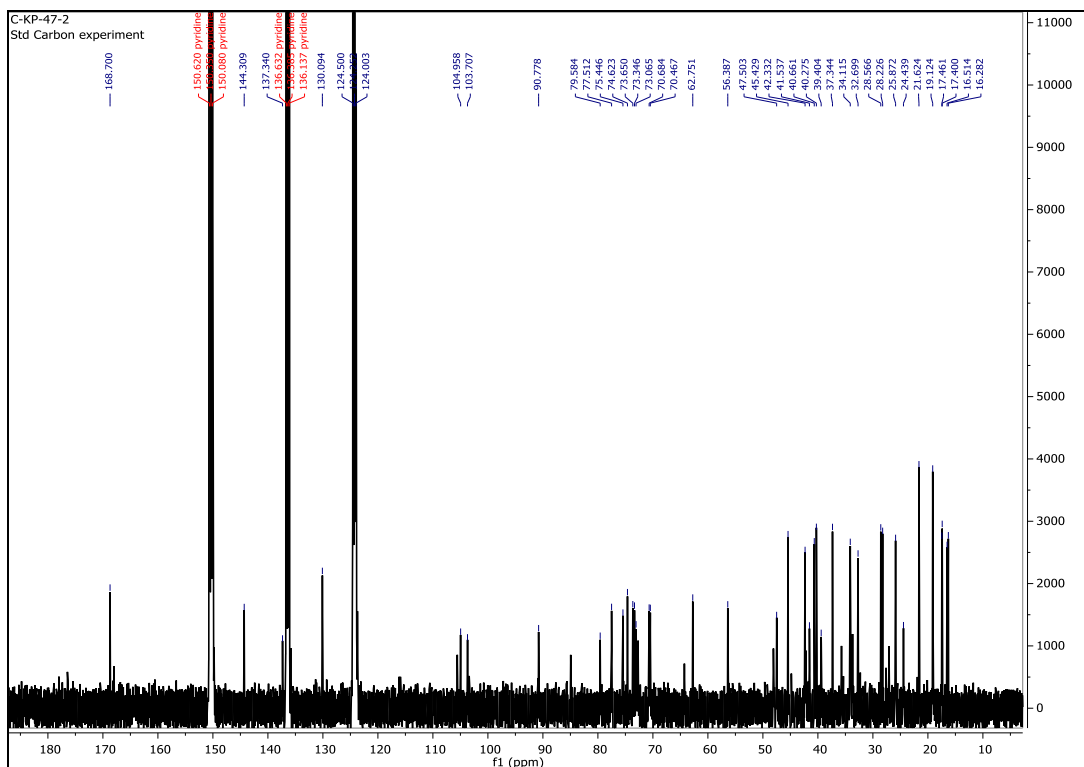


Figure 18: ^{13}C -NMR spectrum (400 MHz, δ in ppm) for compound **2** in Pyridine- d_6

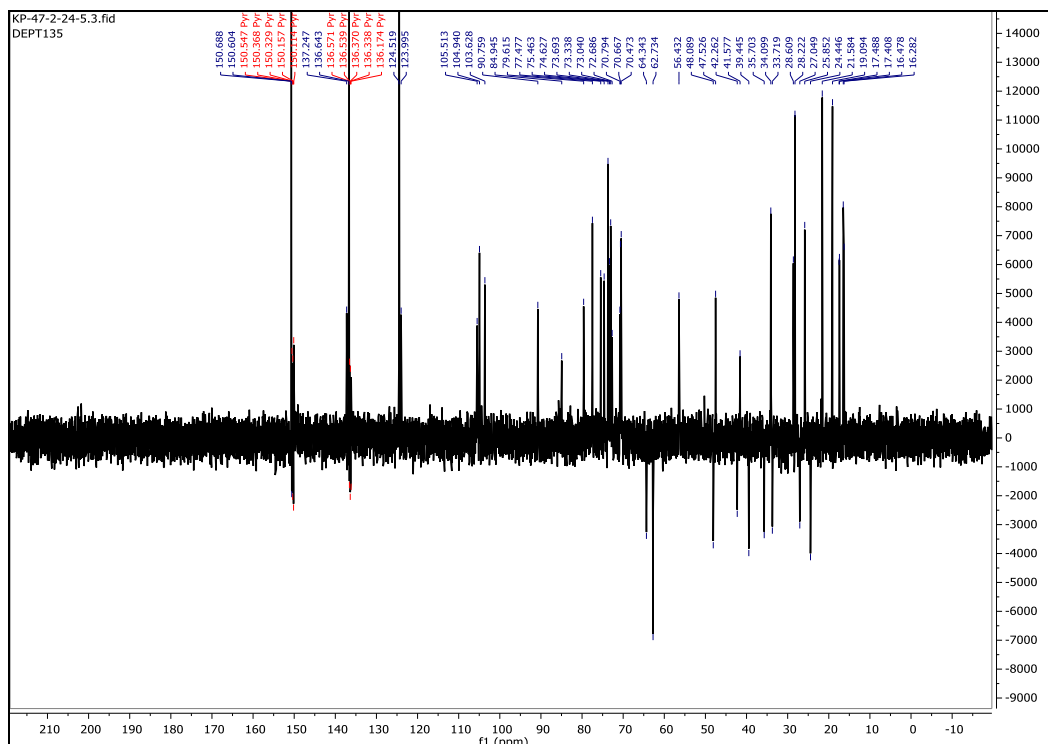


Figure 19: DEPT spectrum (400 MHz, δ in ppm) for compound **2** in Pyridine- d_6

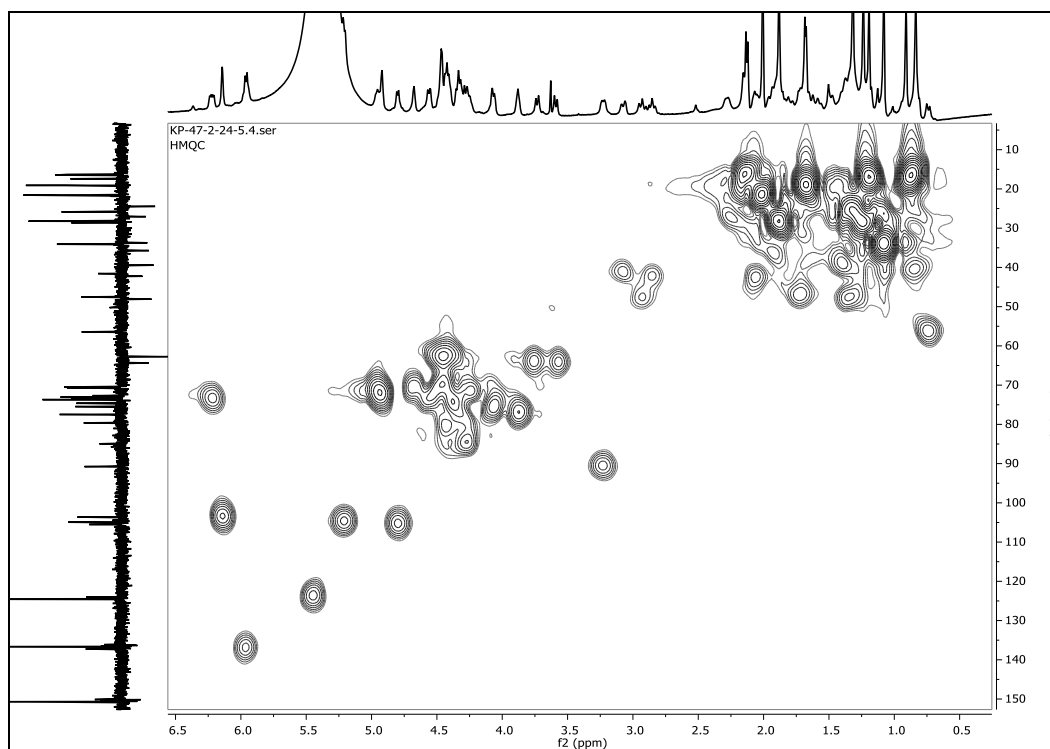


Figure 20: HMQC spectrum (400 MHz, δ in ppm) for compound **2** in Pyridine- d_6

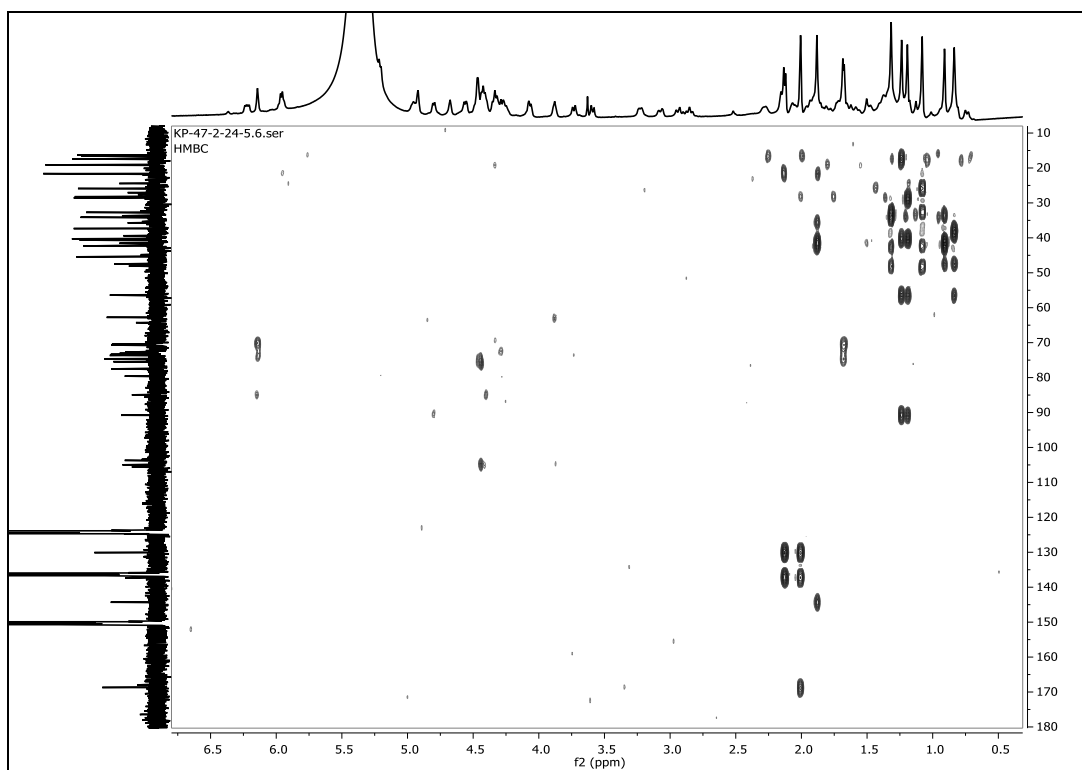


Figure 21: HMBC spectrum (400 MHz, δ in ppm) for compound **2** in Pyridine- d_6

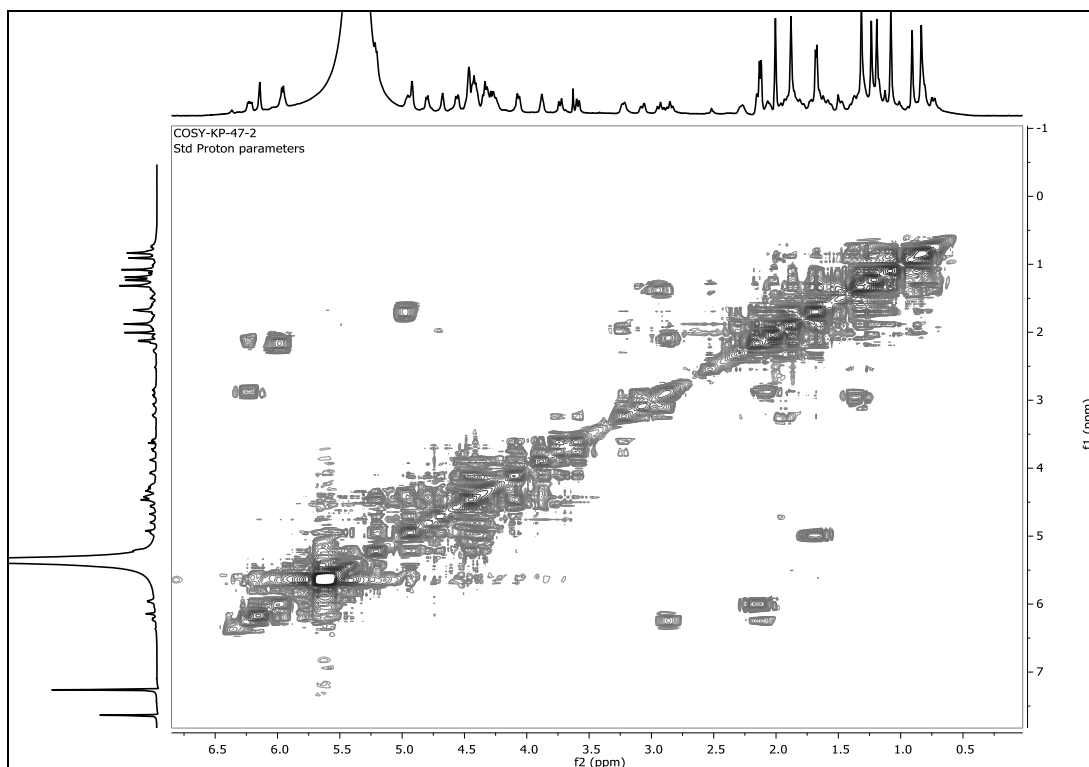


Figure 22: COSY spectrum (400 MHz, δ in ppm) for compound **2** in Pyridine-*d*₆

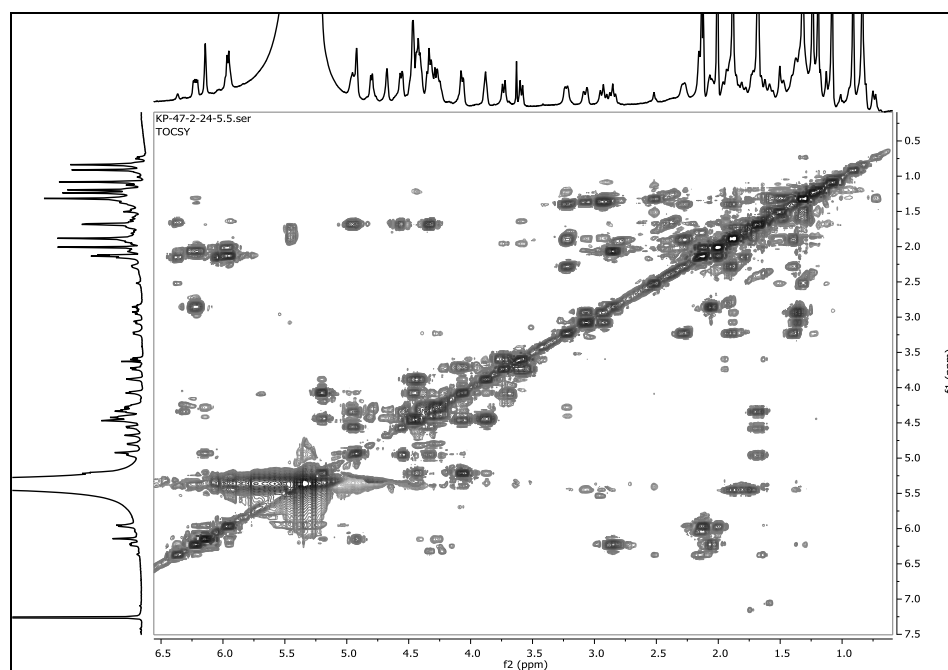


Figure 23: TOCSY spectrum (400 MHz, δ in ppm) for compound **2** in Pyridine-*d*₆

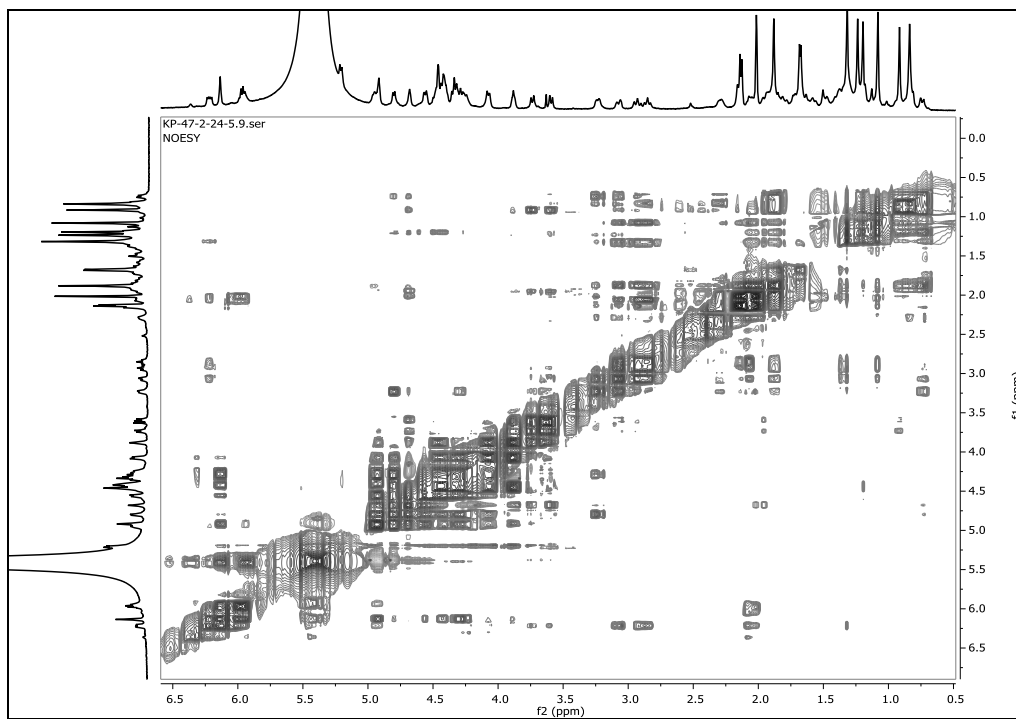


Figure 24: NOESY spectrum (400 MHz, δ in ppm) for compound **2** in Pyridine- d_6

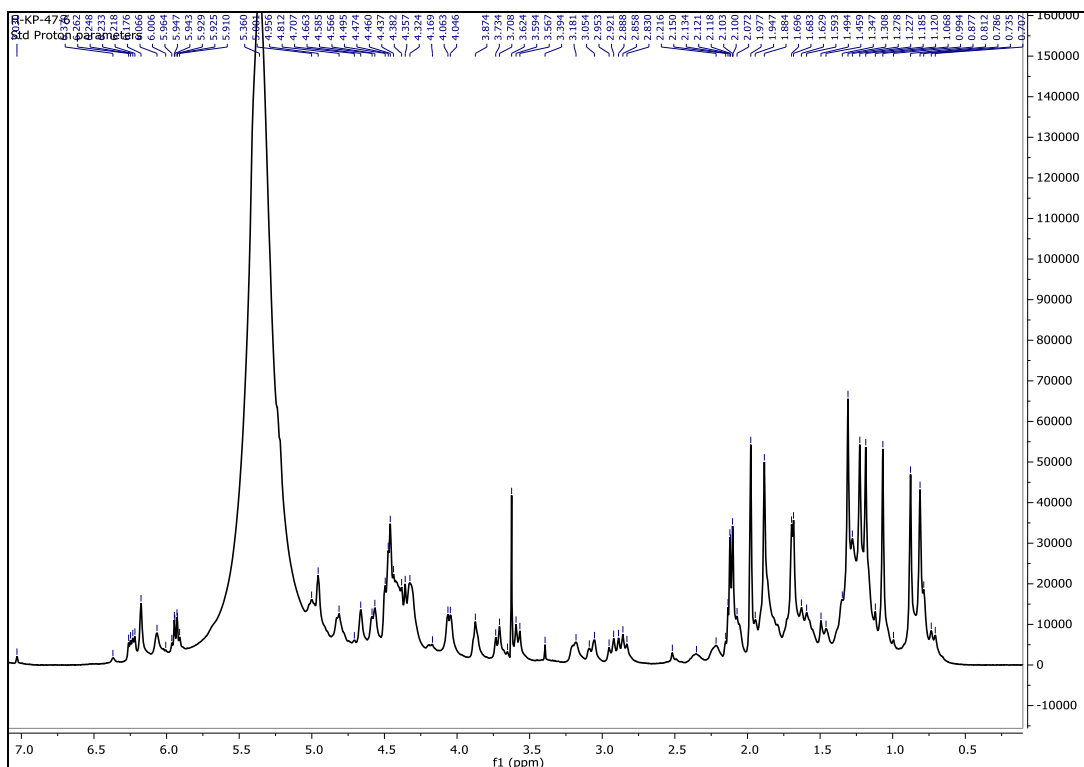


Figure 25: ^1H -NMR spectrum (400 MHz, δ in ppm) for compound **3** in Pyridine- d_6

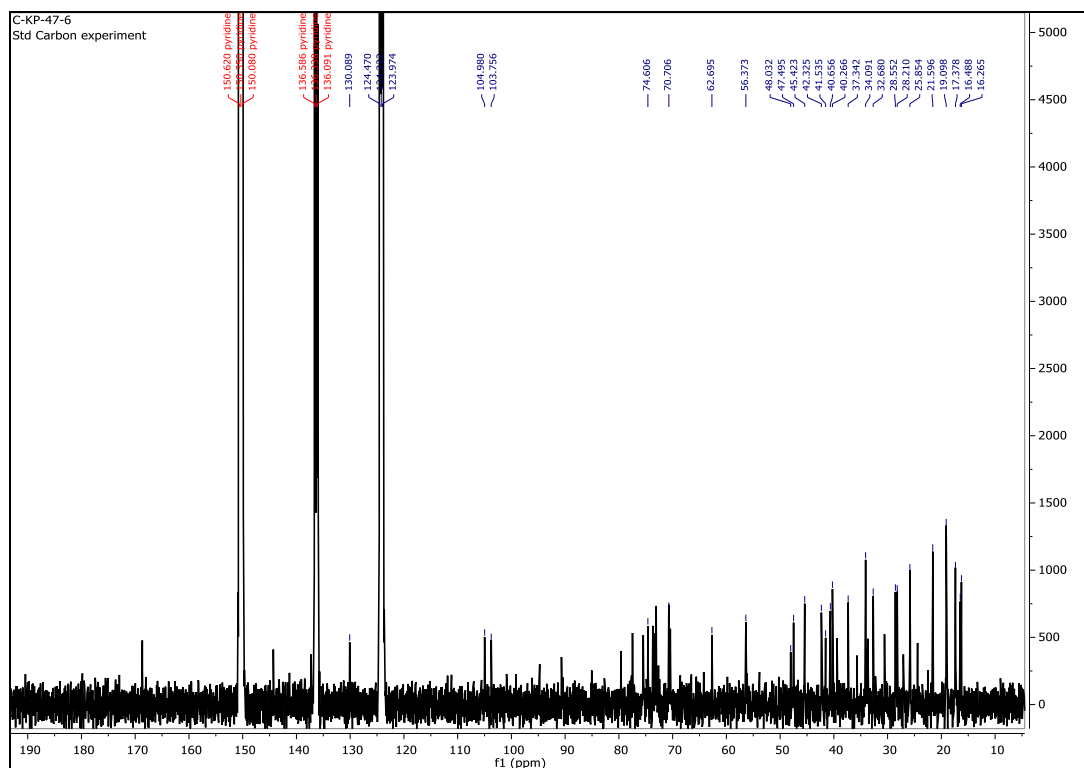


Figure 26: ^{13}C -NMR spectrum (400 MHz, δ in ppm) for compound **3** in Pyridine- d_6

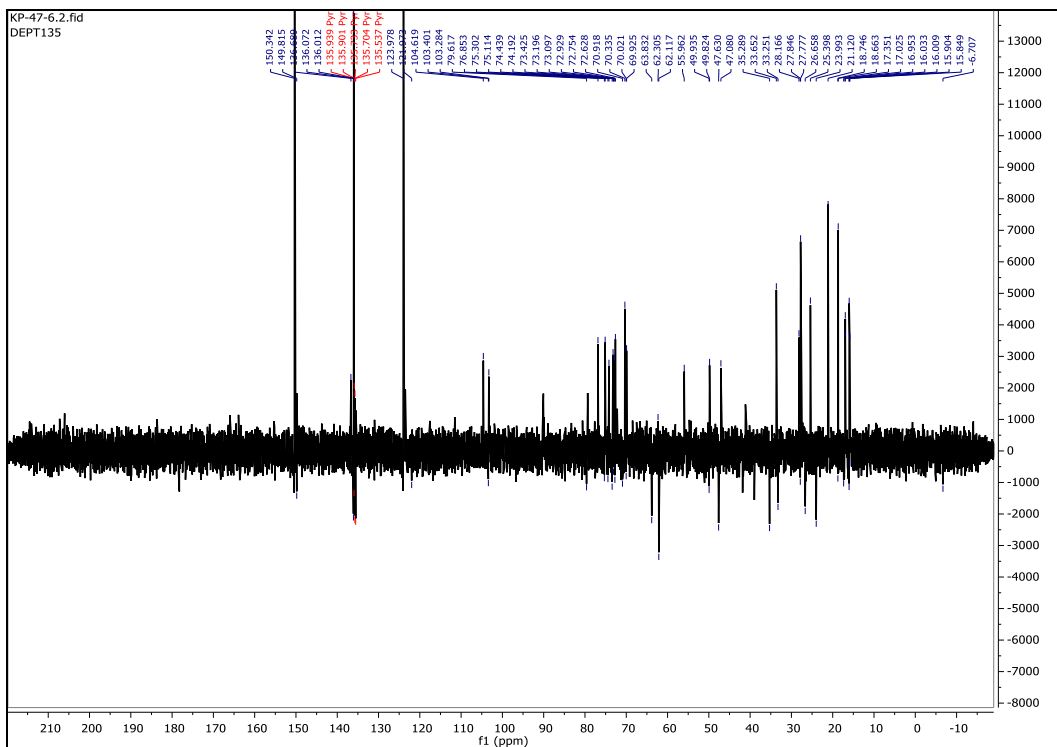


Figure 27: DEPT spectrum (400 MHz, δ in ppm) for compound **3** in Pyridine- d_6

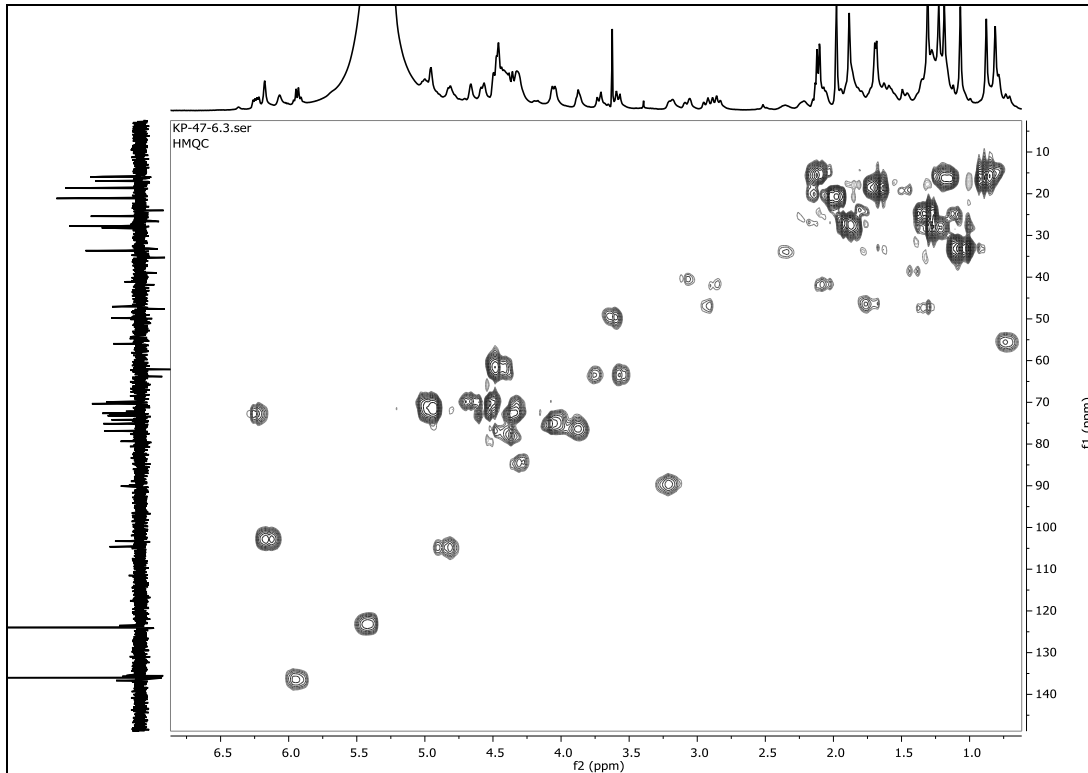


Figure 28: HMQC spectrum (400 MHz, δ in ppm) for compound **3** in Pyridine- d_6

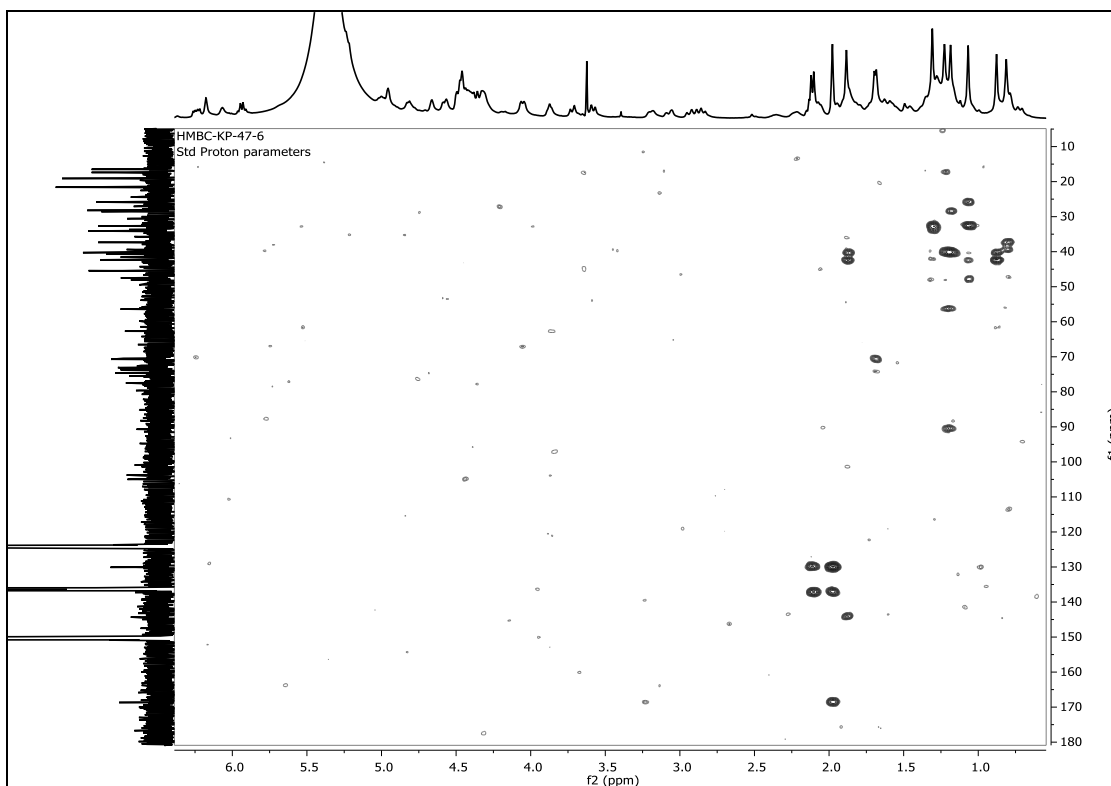


Figure 29: HMBC spectrum (400 MHz, δ in ppm) for compound **3** in Pyridine- d_6