

SUPPLEMENTARY MATERIAL

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Scheme S1: Protocol of extraction and isolation of compounds from *M. occidentalis*

Measured Ion Mass(es) :	565.2560	Deviation [mmu] :	0.06 [mmu]
Calculated Ion Mass(es) :	565.25606	Deviation [ppm] :	0.11 [ppm]
Potential Molecular Formula :	C ₃₄ H ₃₈ O ₆ Na ⁺		

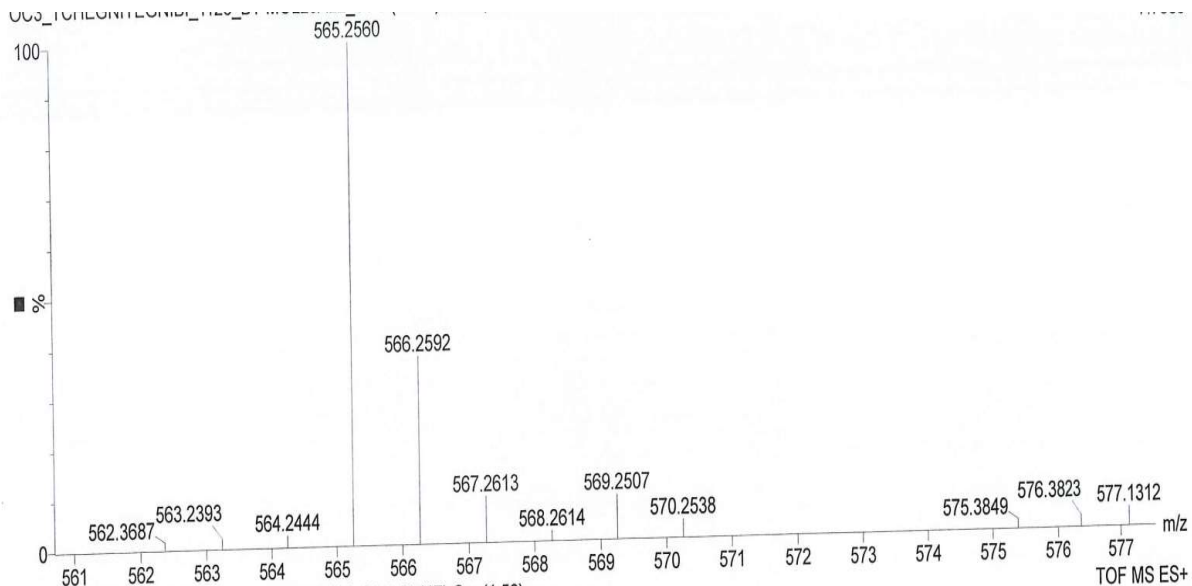


Figure S1: ESI-HR Mass spectrum of **6a**

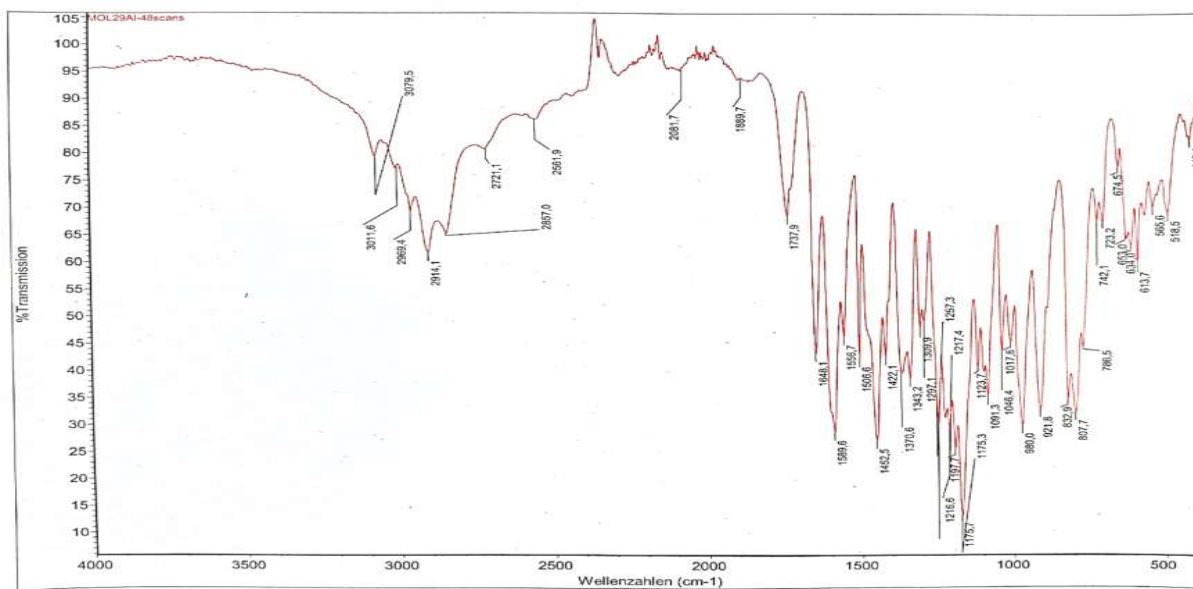


Figure S2: IR spectrum of **6a**

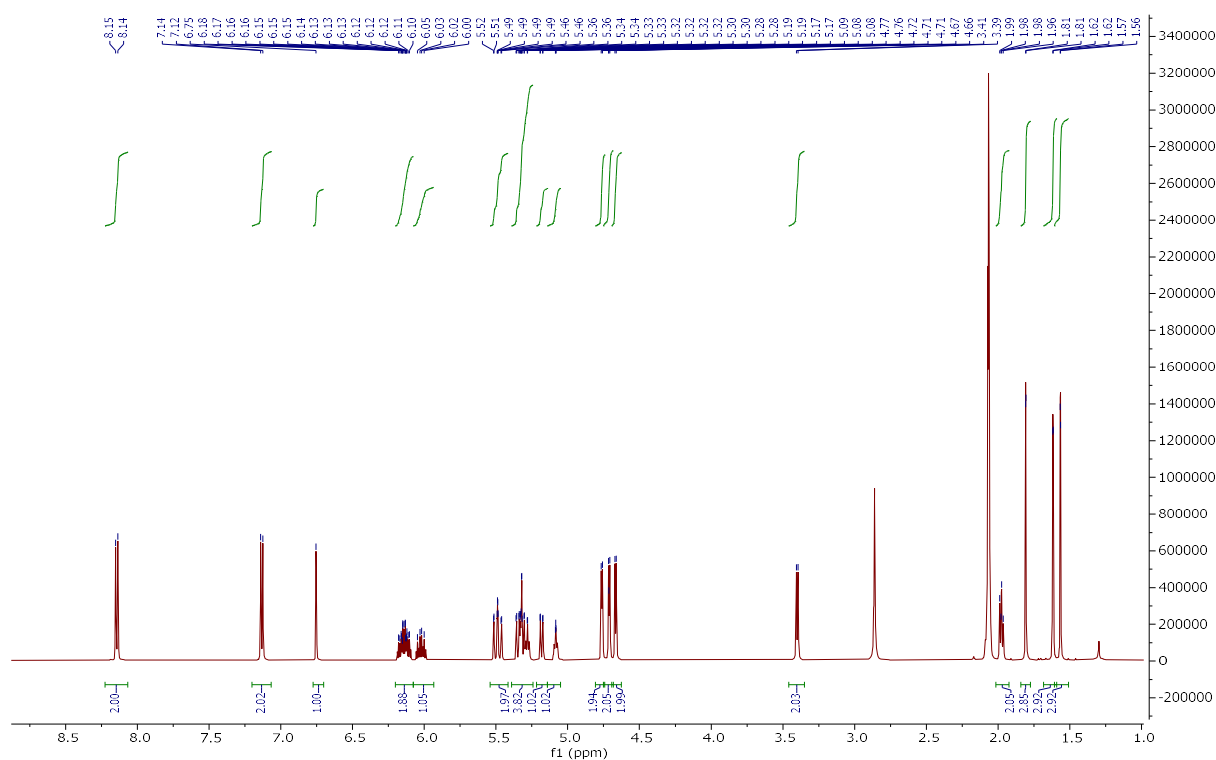


Figure S3: ^1H -NMR (500 MHz, acetone- d_6) spectrum of **6a**

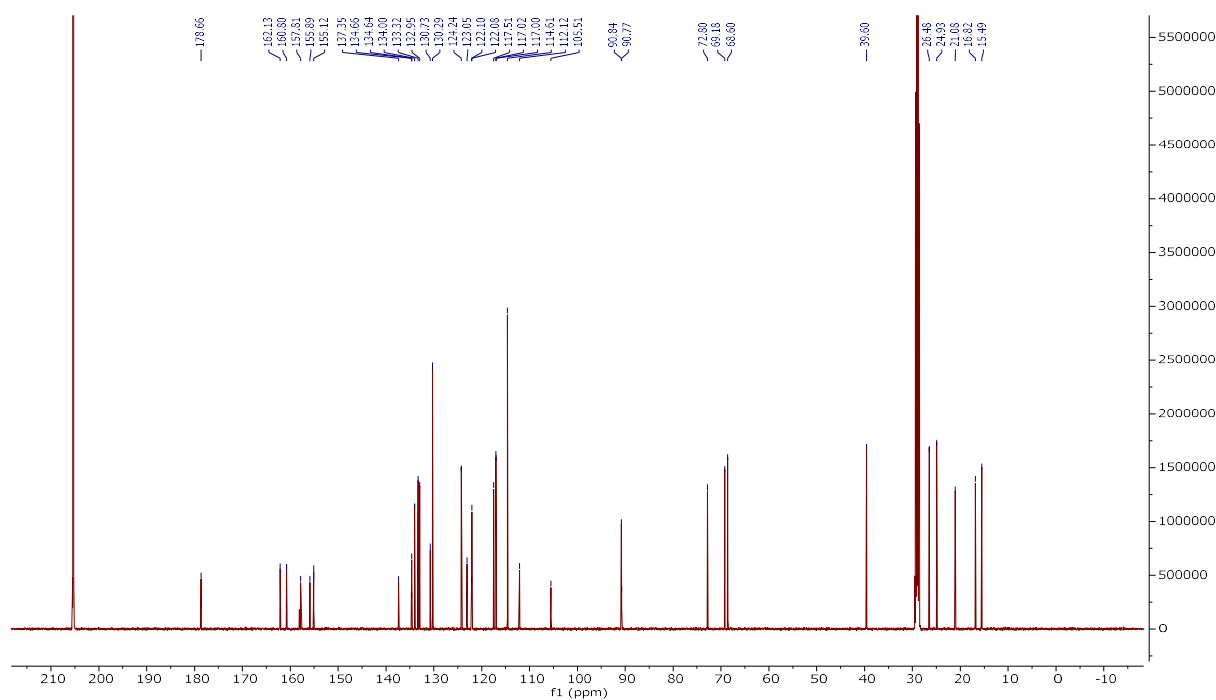


Figure S4: ^{13}C -NMR (125 MHz, acetone- d_6) spectrum of **6a**

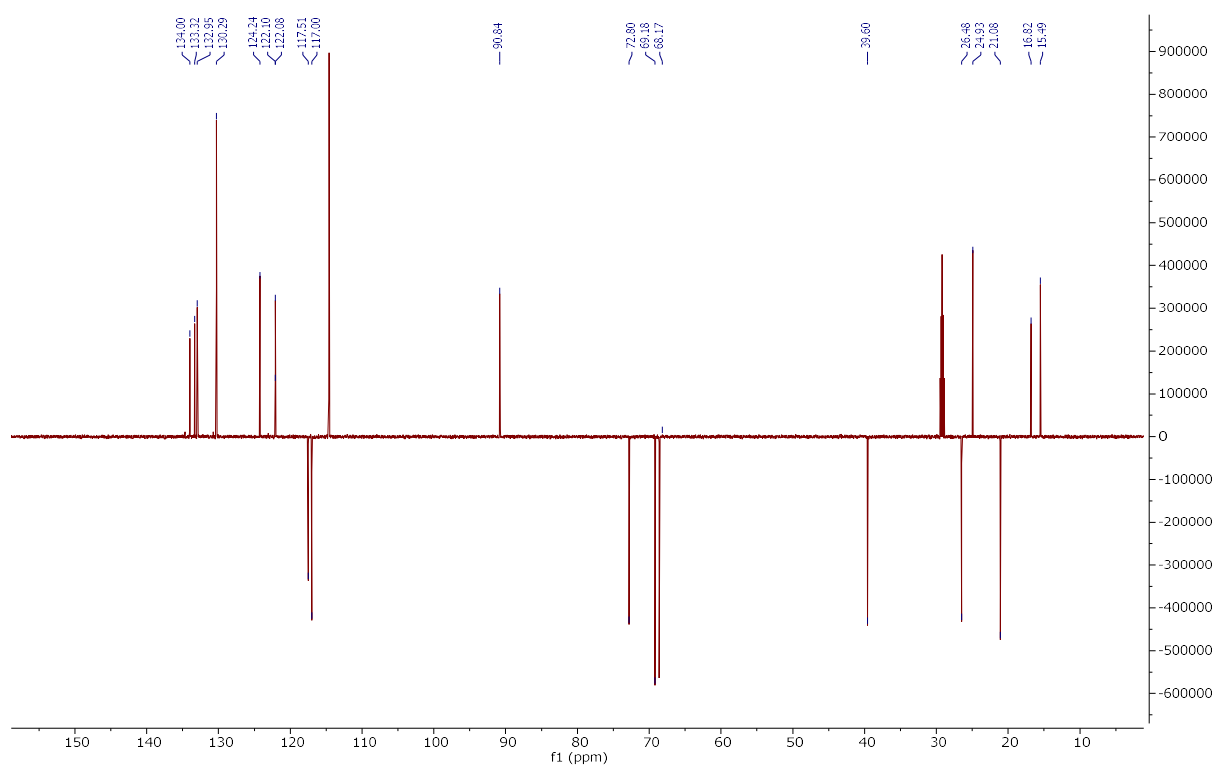


Figure S5: DEPT 135 spectrum of **6a**

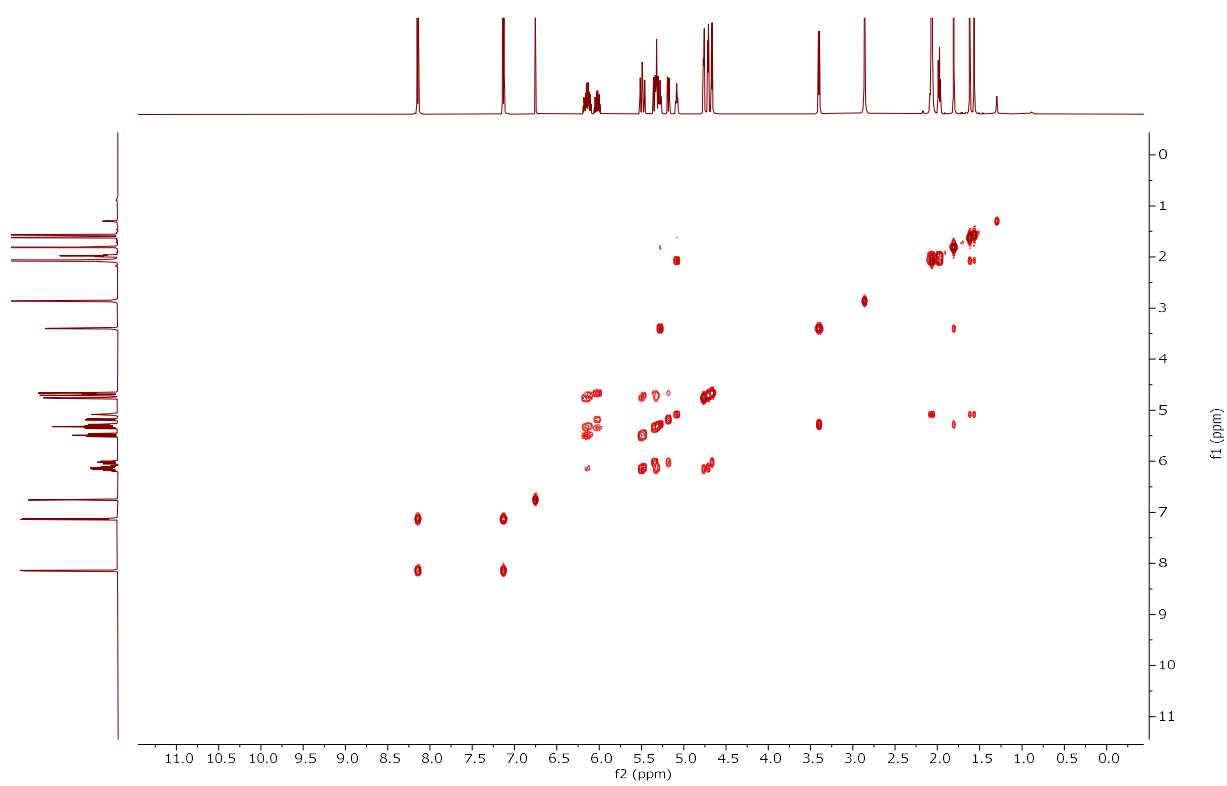


Figure S6: ^1H - ^1H COSY spectrum of **6a**

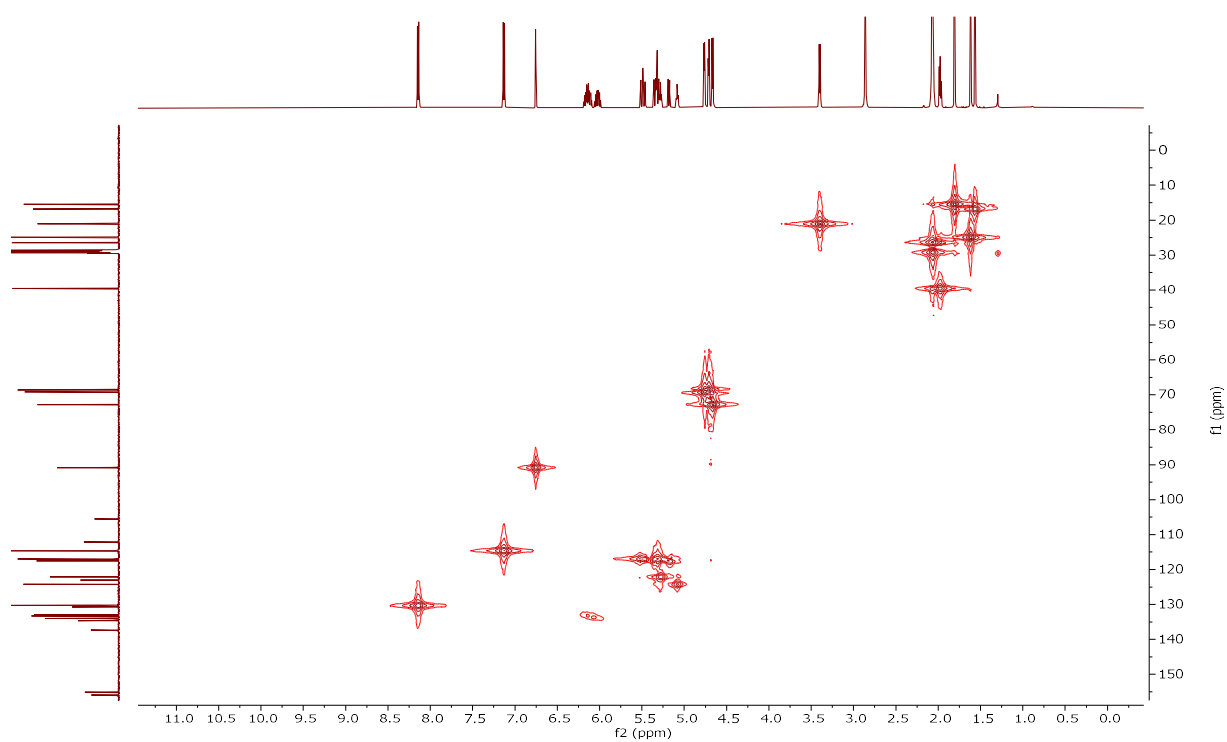


Figure S7: HSQC spectrum of 6a

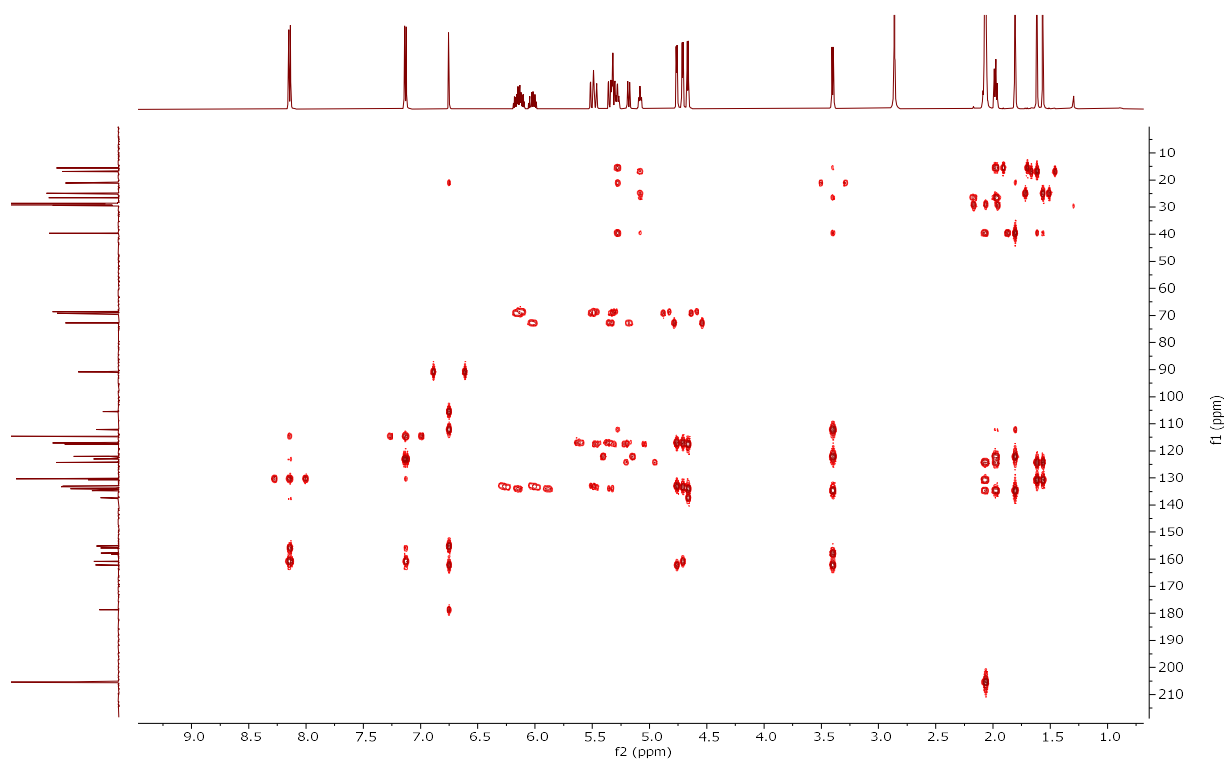


Figure S8: HMBC spectrum of 6a

Measured Ion Mass(es) :	583.3052	Deviation [mmu] :	0.22 [mmu]
Calculated Ion Mass(es) :	583.30542	Deviation [ppm] :	0.38 [ppm]
Potential Molecular Formula :	C ₃₇ H ₄₂ O ₆ H ⁺		

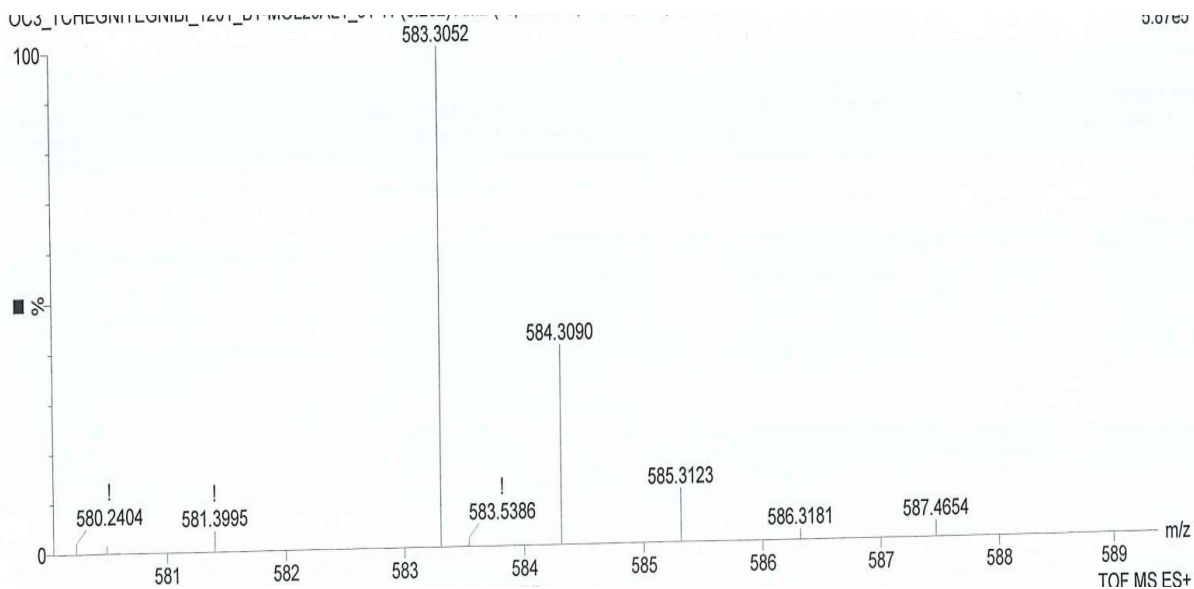


Figure S9: ESI-HR Mass spectrum of **6b**

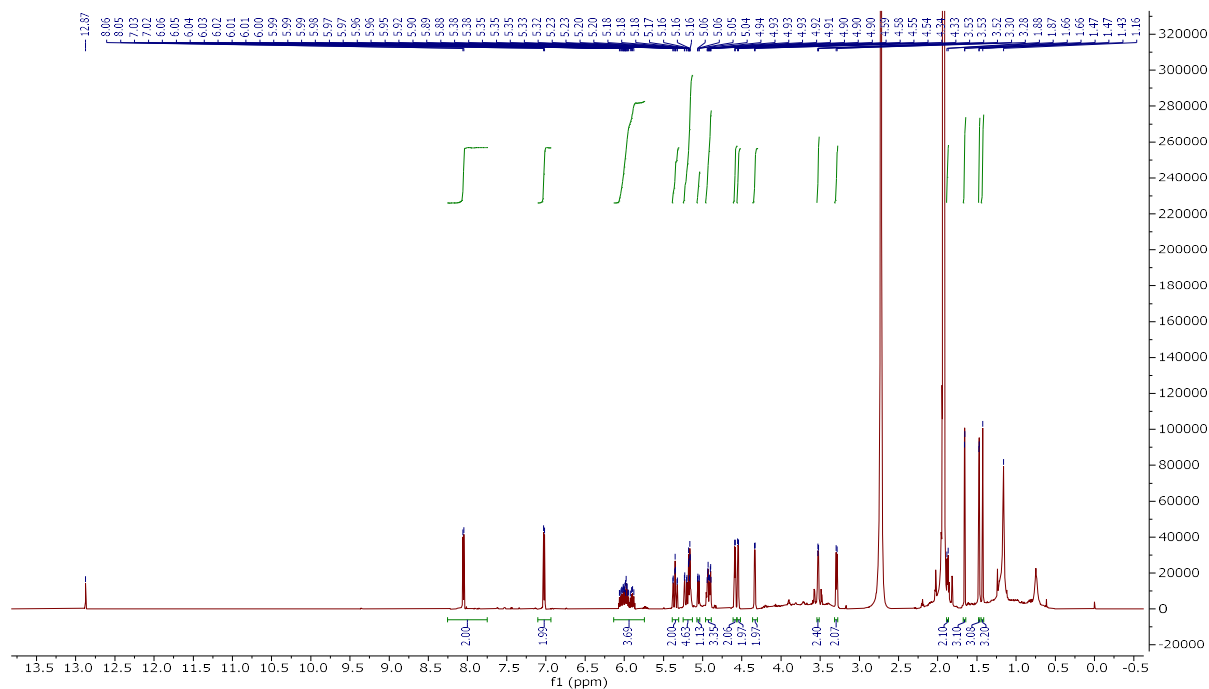


Figure S10: ¹H-NMR (500 MHz, acetone-*d*₆) spectrum of **6b**

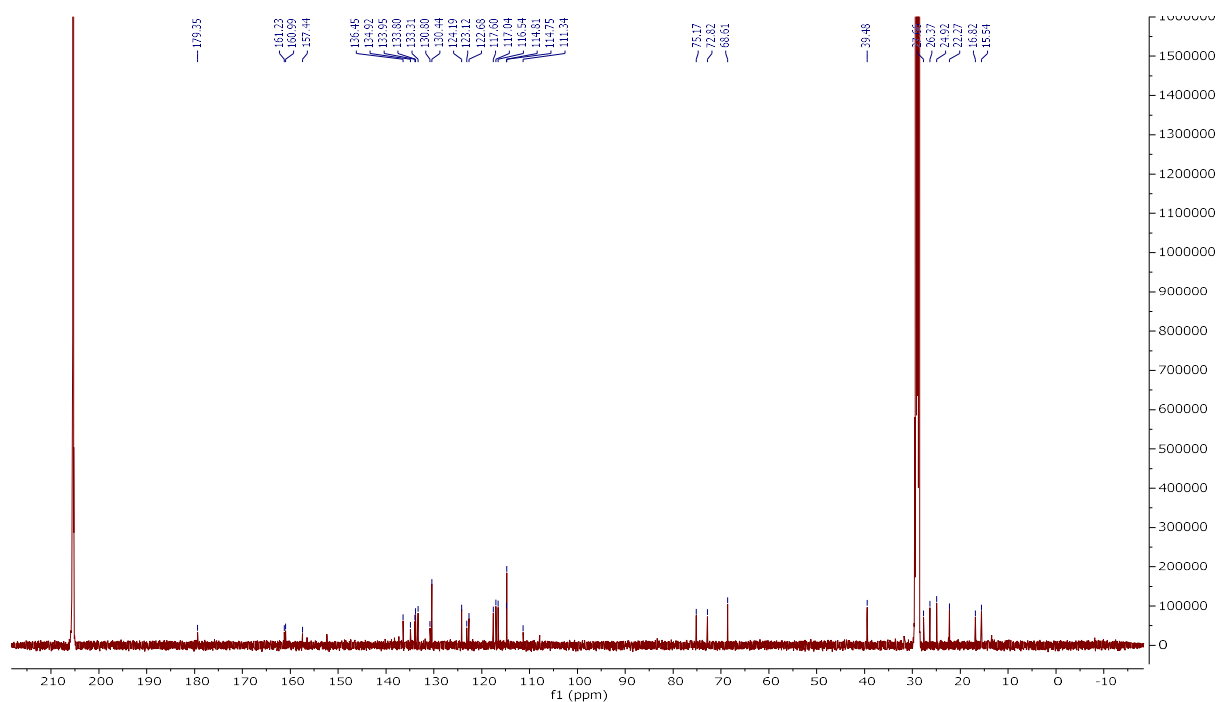


Figure S11: ¹³C-NMR (125 MHz, acetone-*d*₆) spectrum of **6b**

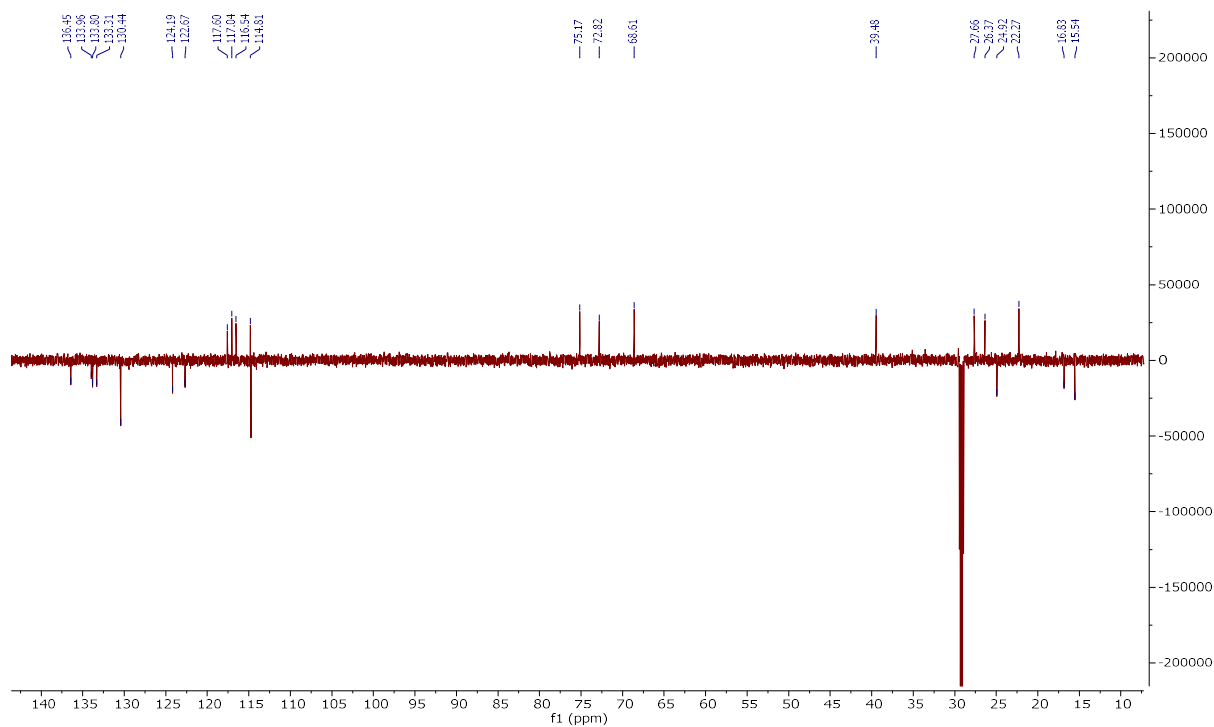


Figure S12: DEPT 135 spectrum of **6b**

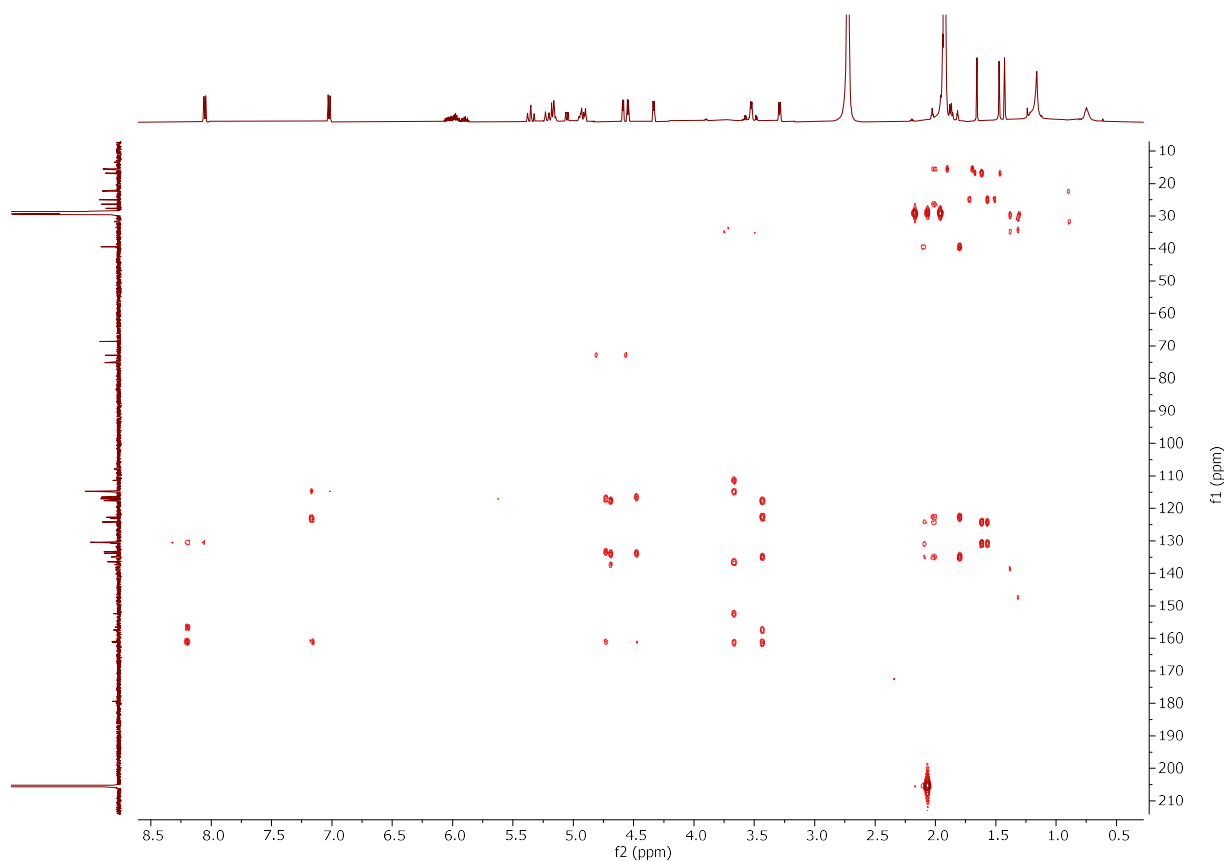


Figure S15: HMBC spectrum of **6b**

Measured Ion Mass(es) :	613.2043	Deviation [mmu] :	0.12 [mmu]
Calculated Ion Mass(es) :	613.20442	Deviation [ppm] :	0.20 [ppm]
Potential Molecular Formula :	C33H34O10Na ⁺		

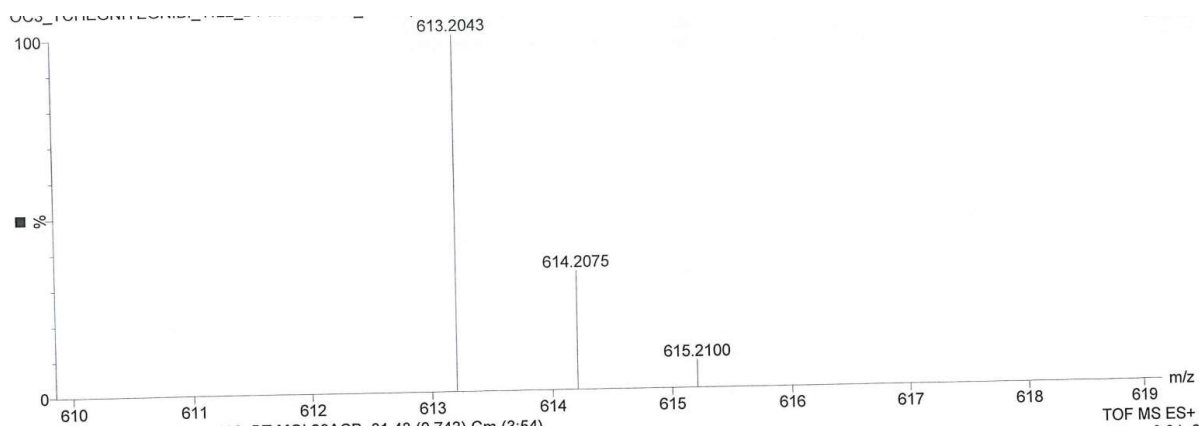


Figure S16: ESI-HR Mass spectrum of **6c**

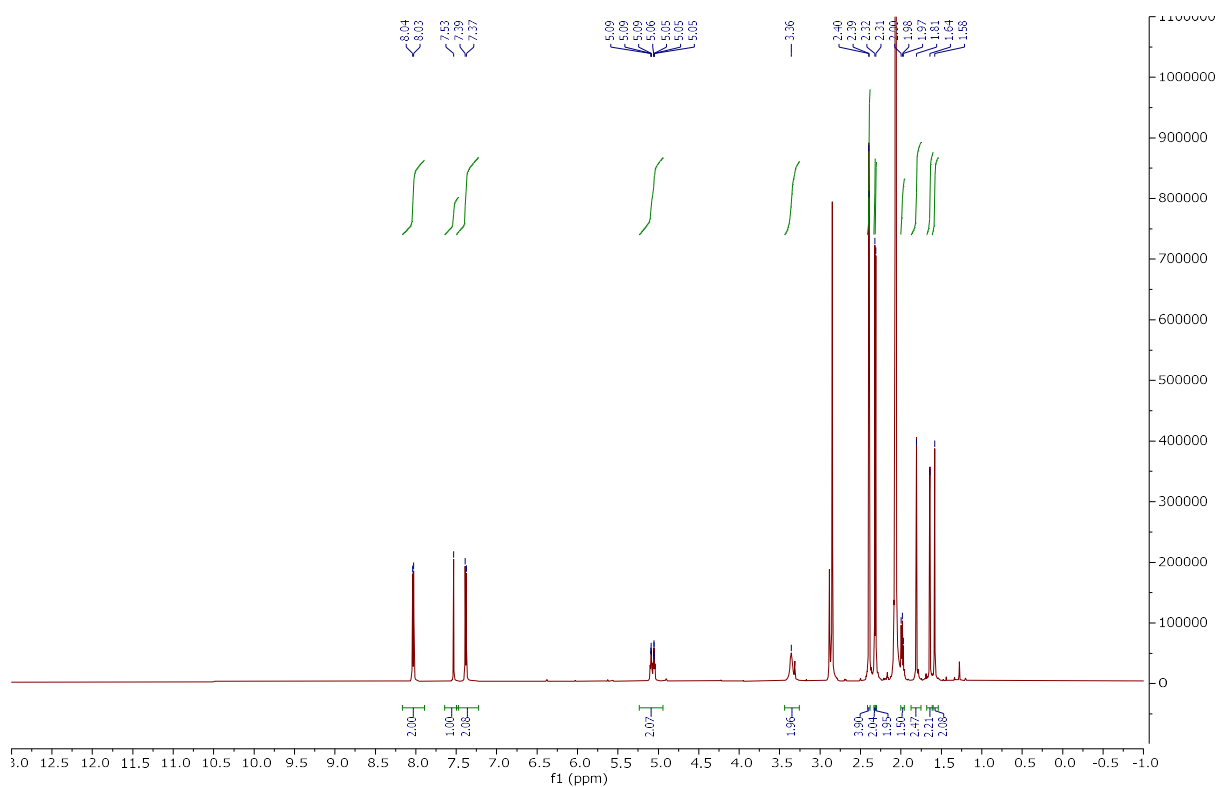


Figure S17: ¹H-NMR (500 MHz, acetone-*d*₆) spectrum of **6c**

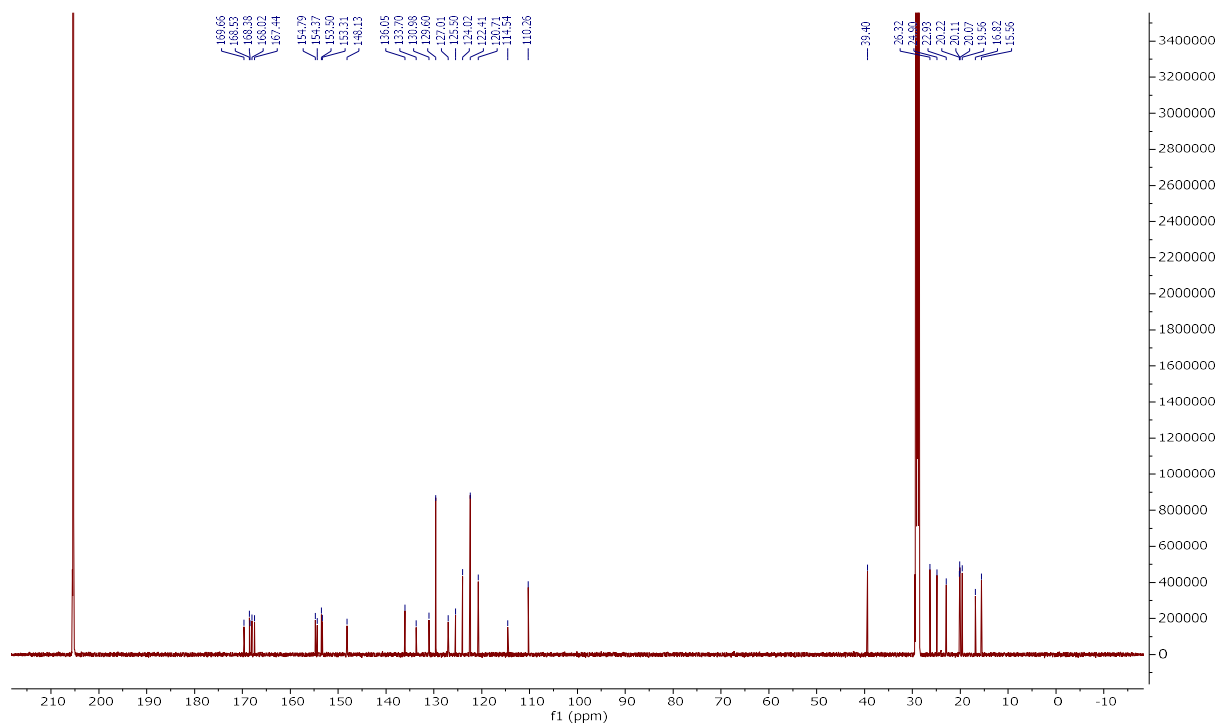


Figure S18: ¹³C-NMR (125 MHz, acetone-*d*₆) spectrum of **6c**

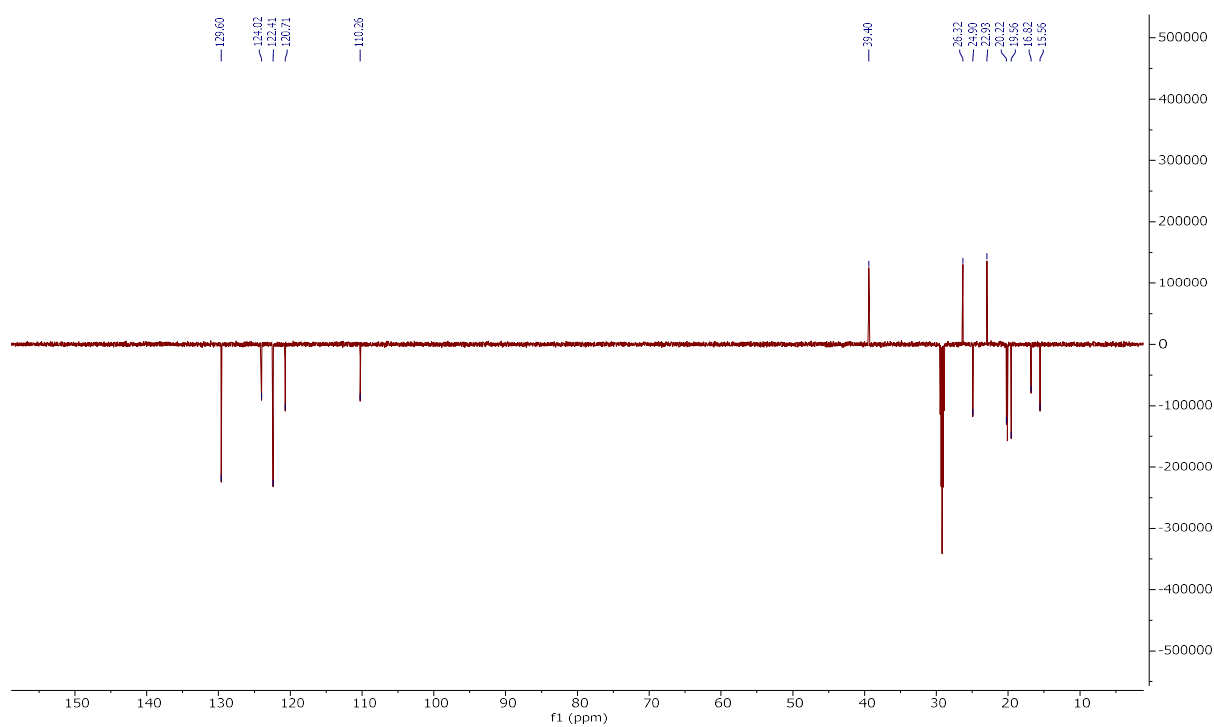


Figure S19: DEPT 135 spectrum of **6c**

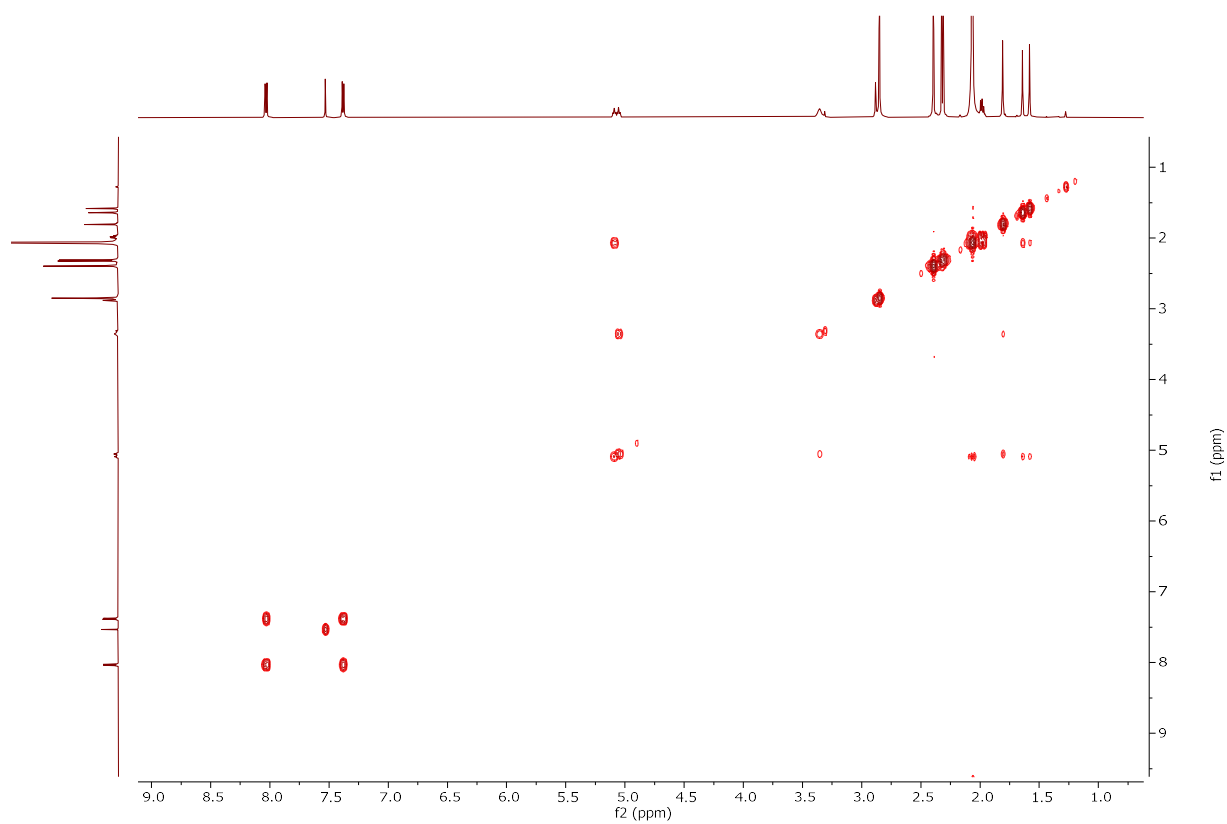


Figure S20: ^1H - ^1H COSY spectrum of **6c**

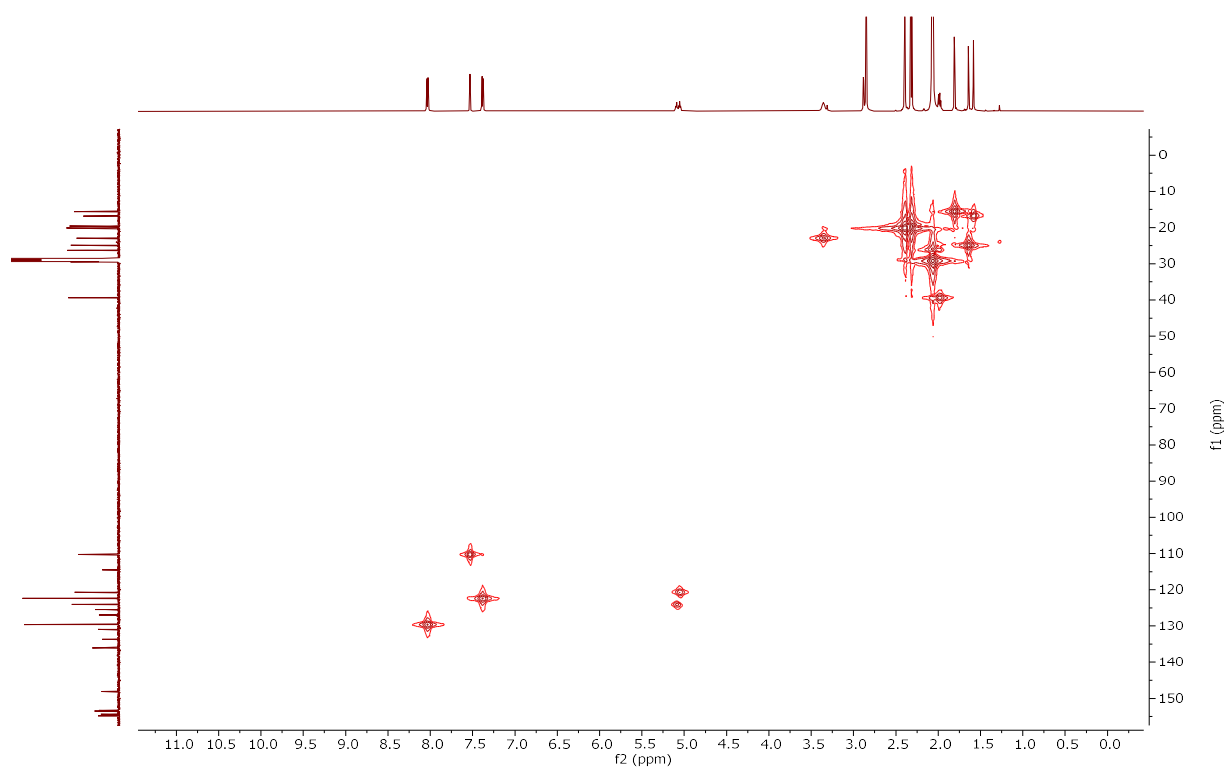


Figure S21: HSQC spectrum of **6c**

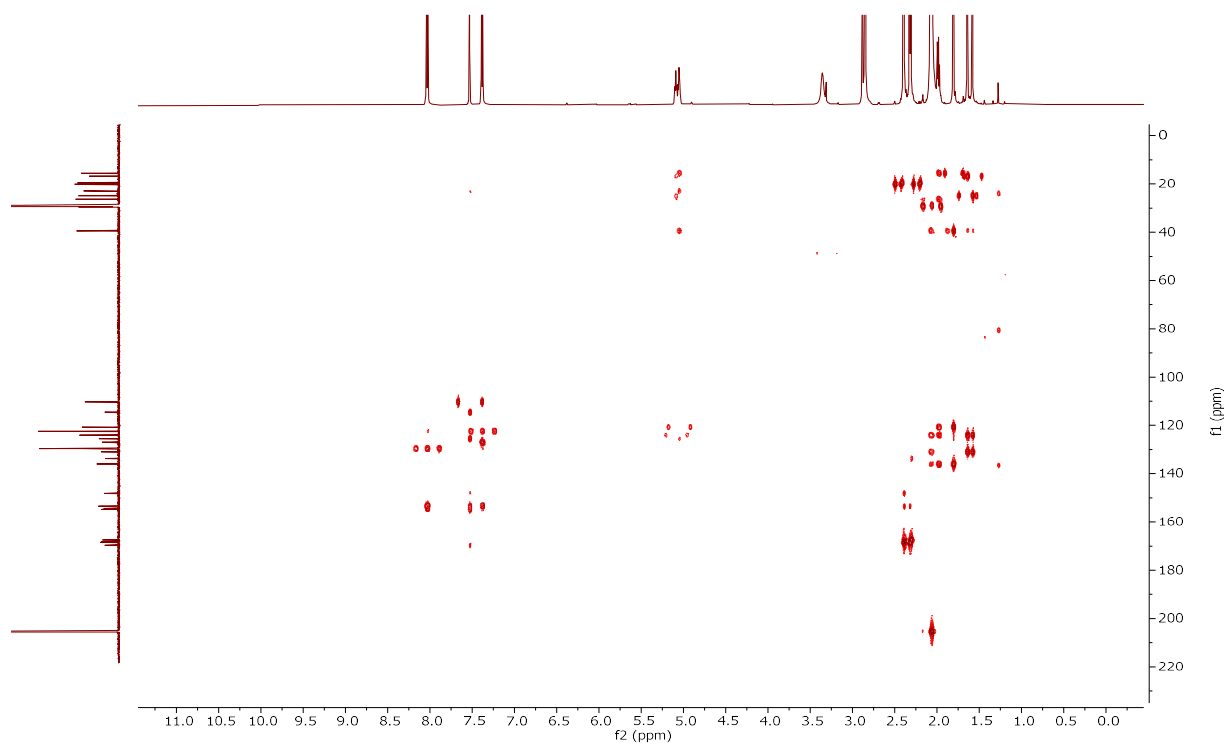


Figure S22: HMBC spectrum of **6c**

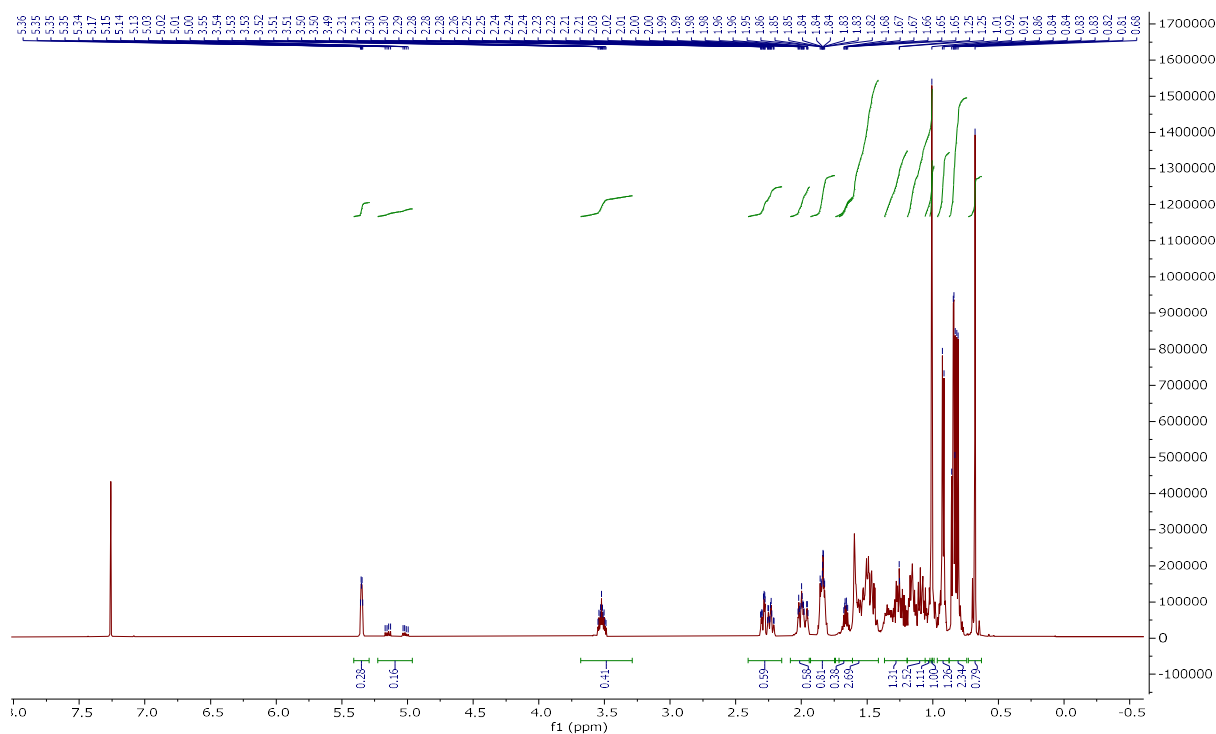


Figure S23: ^1H -NMR (500 MHz, CDCl_3) spectrum of **1+2**

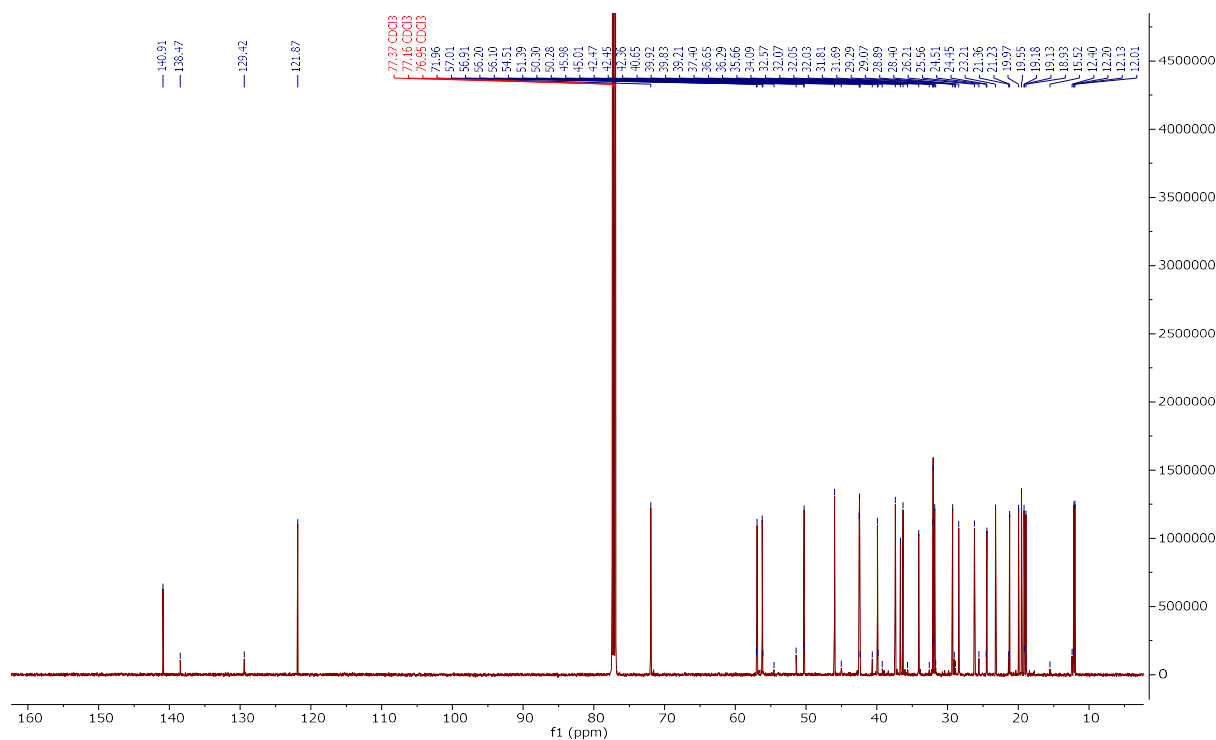


Figure S24: ^{13}C -NMR (125 MHz, CDCl_3) spectrum of **1+2**





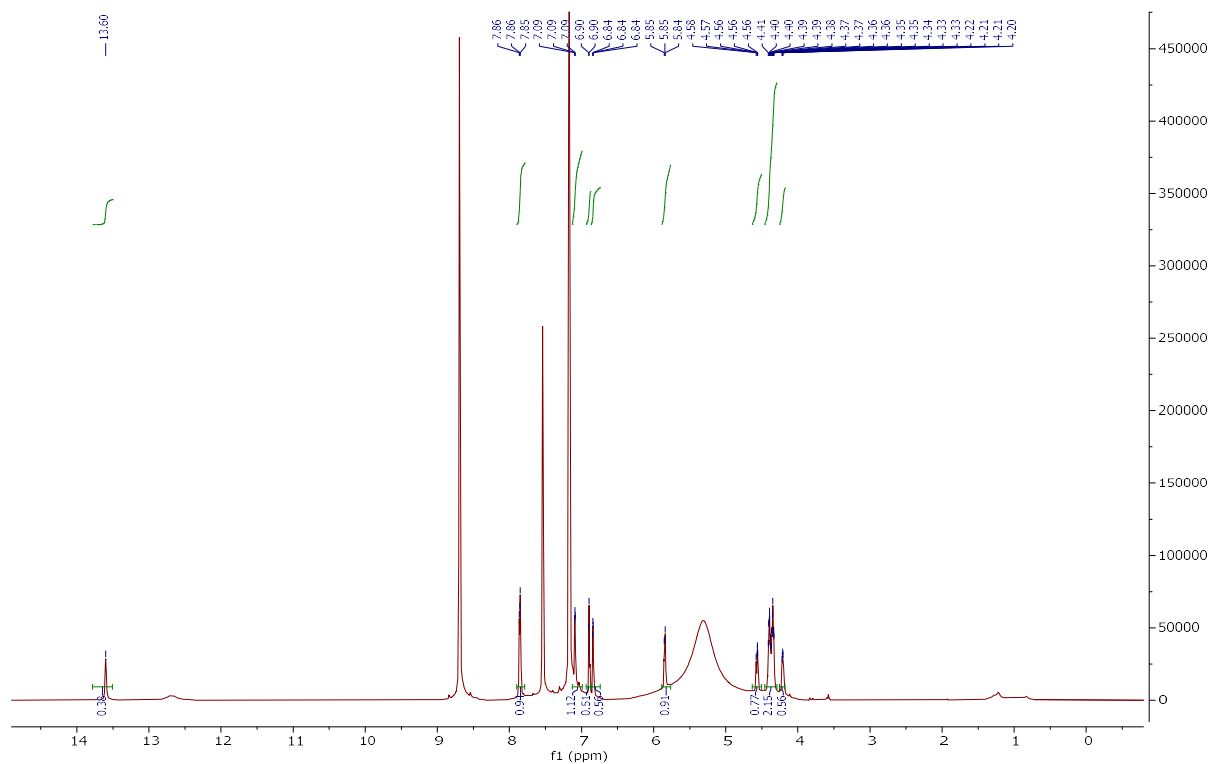


Figure S29: ¹H-NMR (500 MHz, acetone-*d*₆) spectrum of **5**

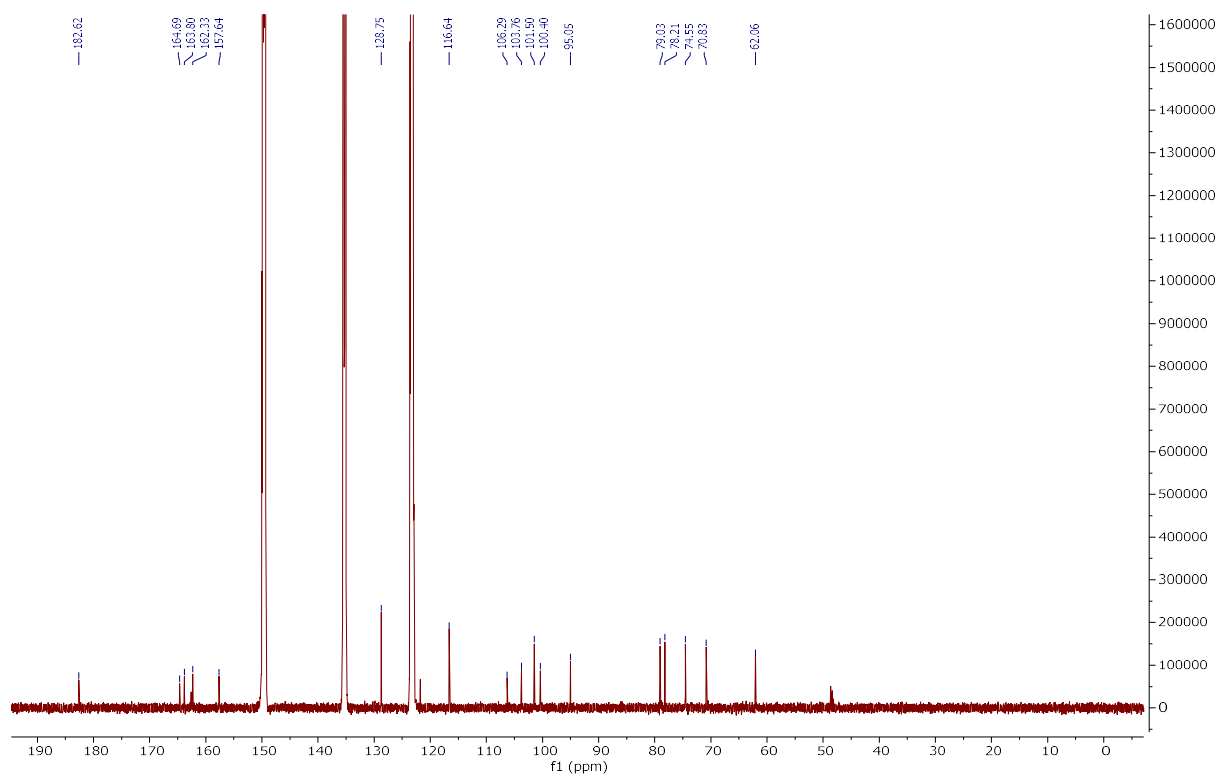


Figure S30: ¹³C-NMR (125 MHz, acetone-*d*₆) spectrum of **5**

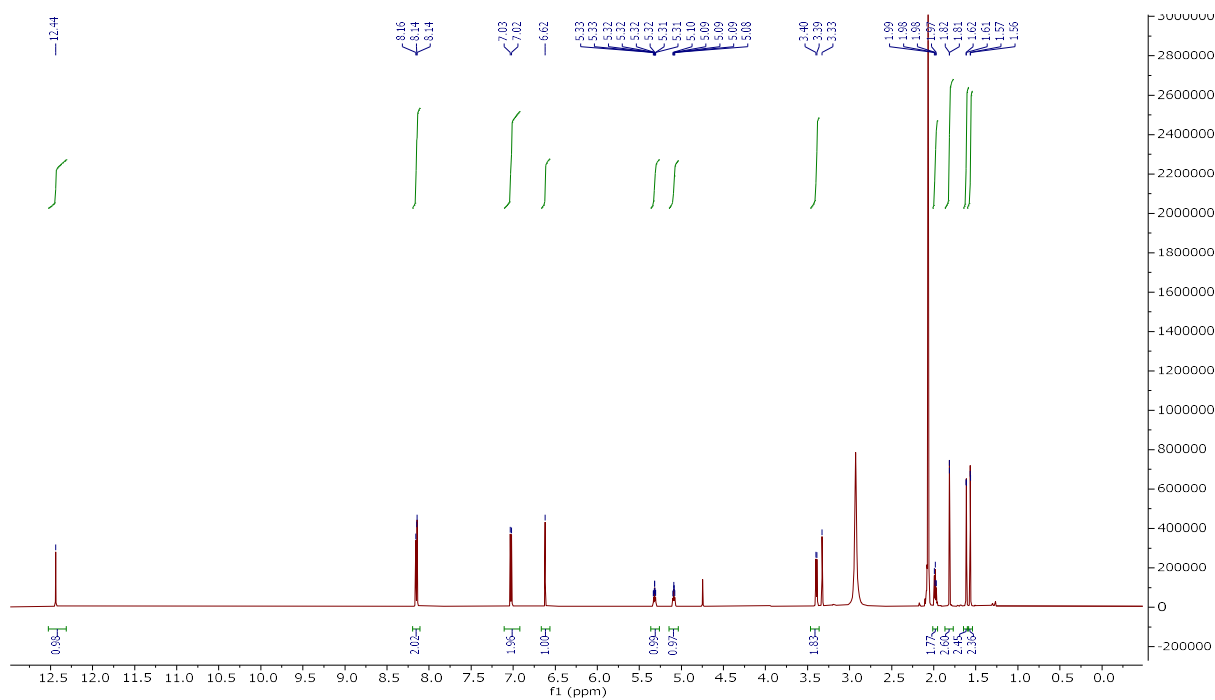


Figure S31: ¹H-NMR (500 MHz, acetone-*d*₆) spectrum of **6**

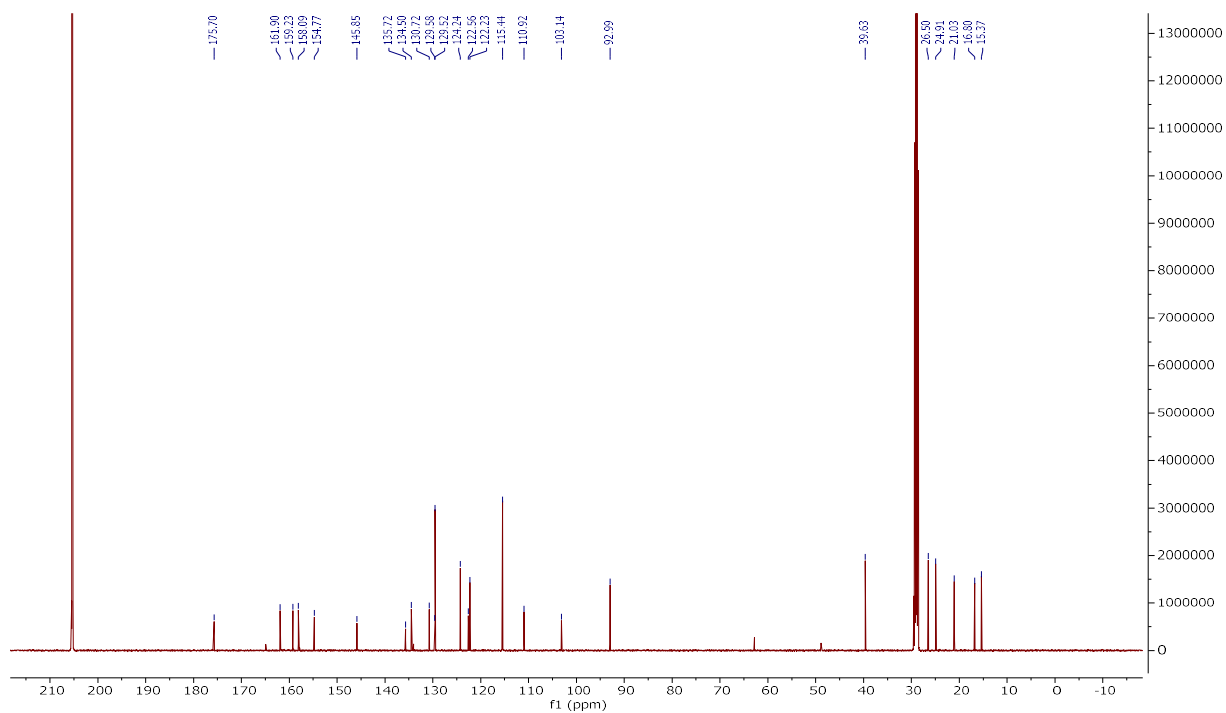


Figure S32: ¹³C-NMR (1254 MHz, acetone-*d*₆) spectrum of **6**

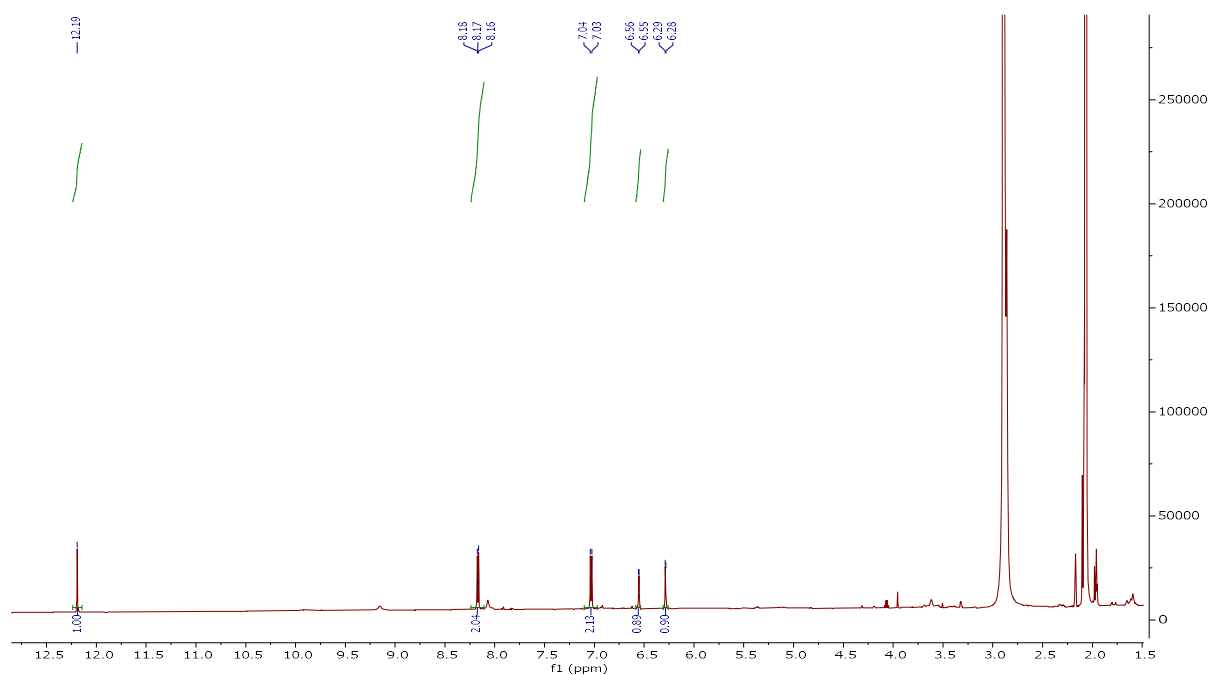


Figure S33: ¹H-NMR (500 MHz, acetone-*d*₆) spectrum of 7

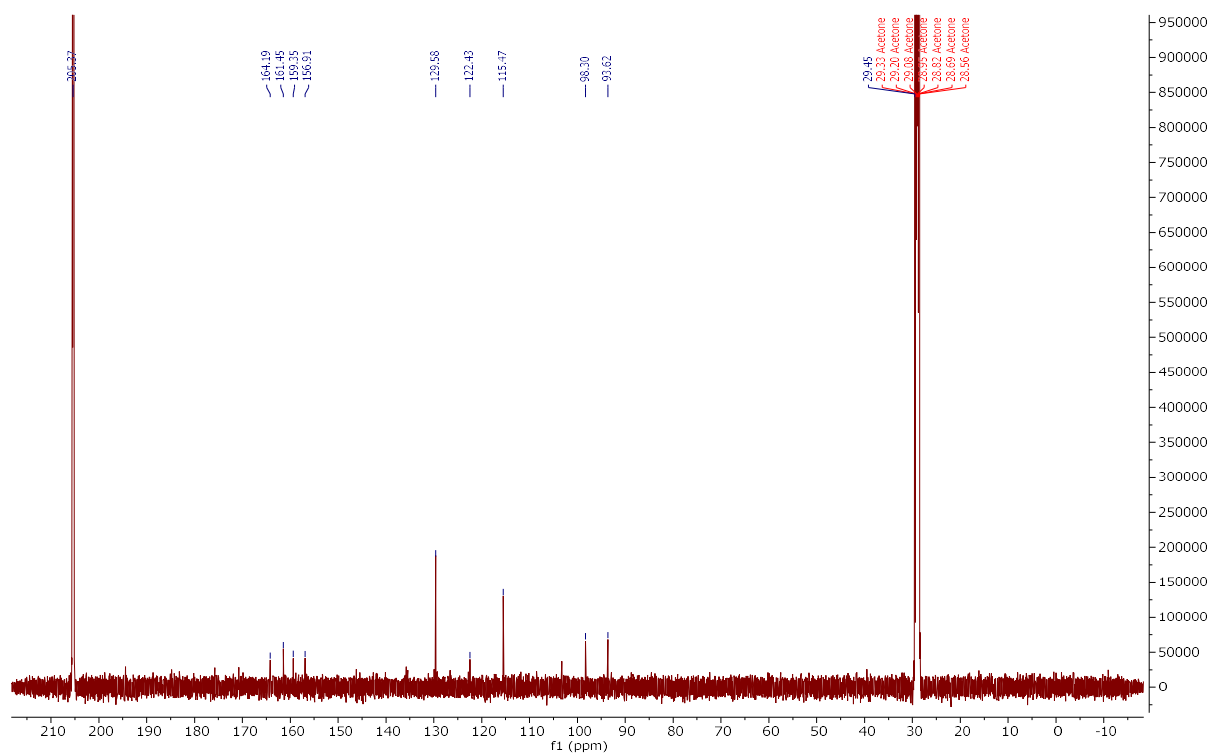


Figure S34: ¹³C-NMR (1254 MHz, acetone-*d*₆) spectrum of 7

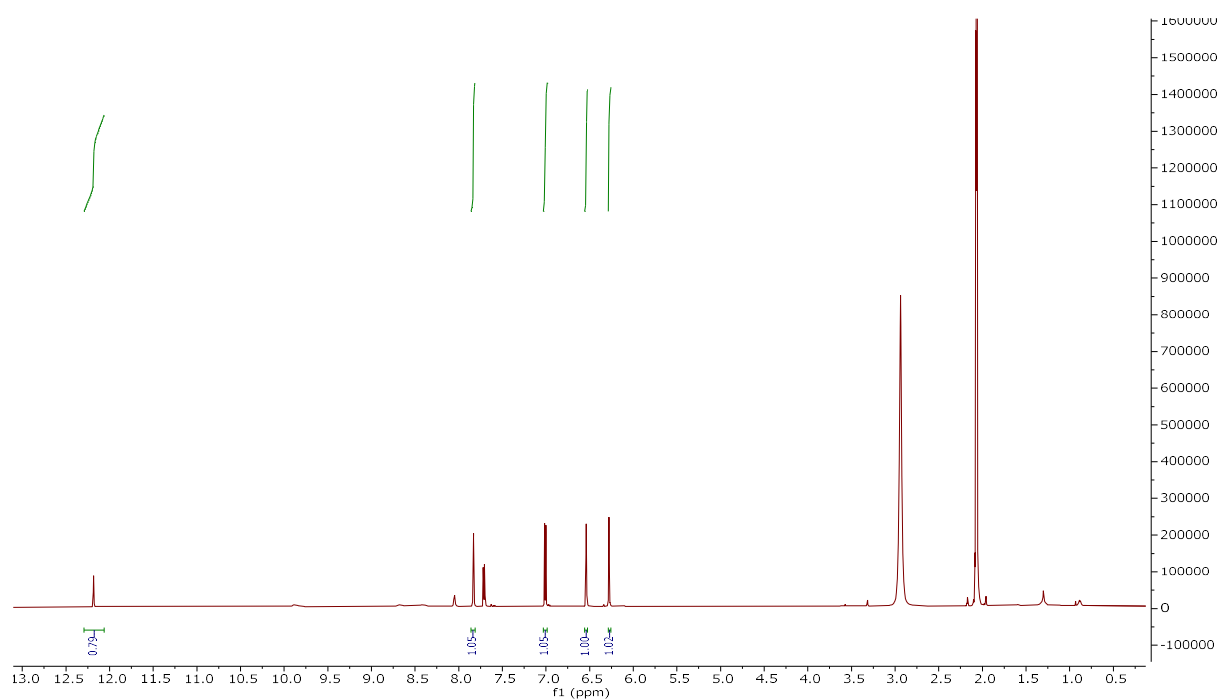


Figure S35: ¹H-NMR (500 MHz, acetone-*d*₆) spectrum of **8**

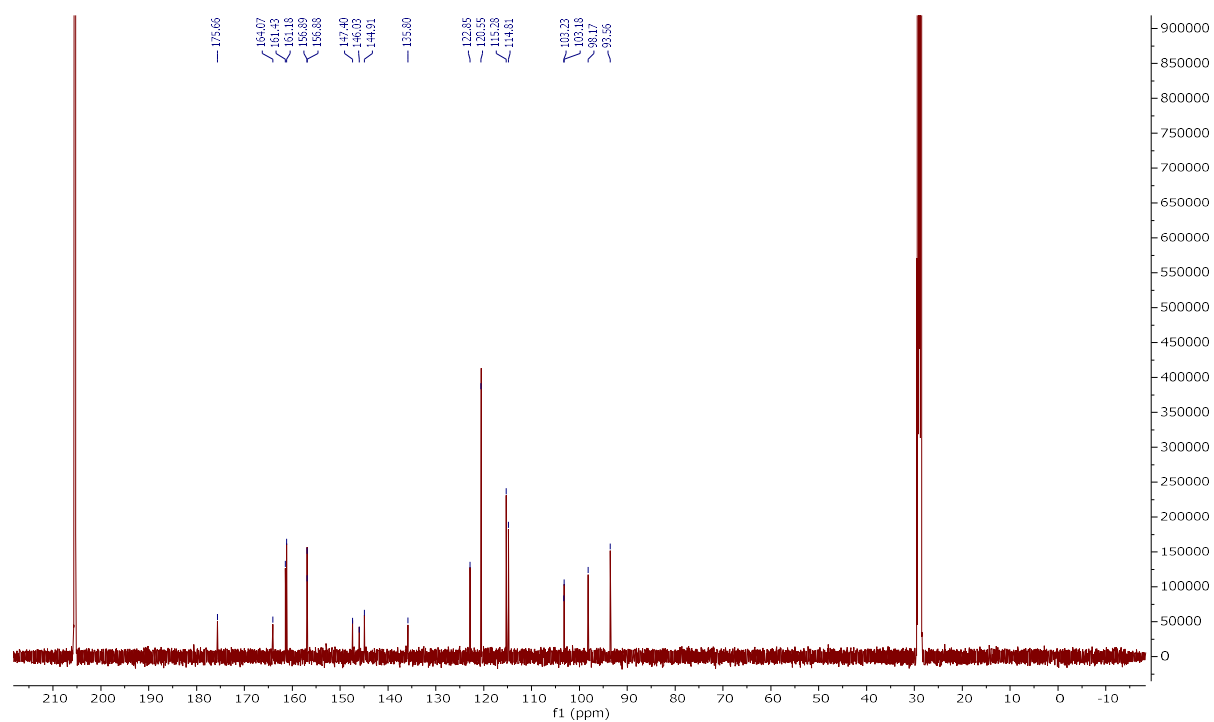


Figure S36: ¹³C-NMR (1254 MHz, acetone-*d*₆) spectrum of **8**



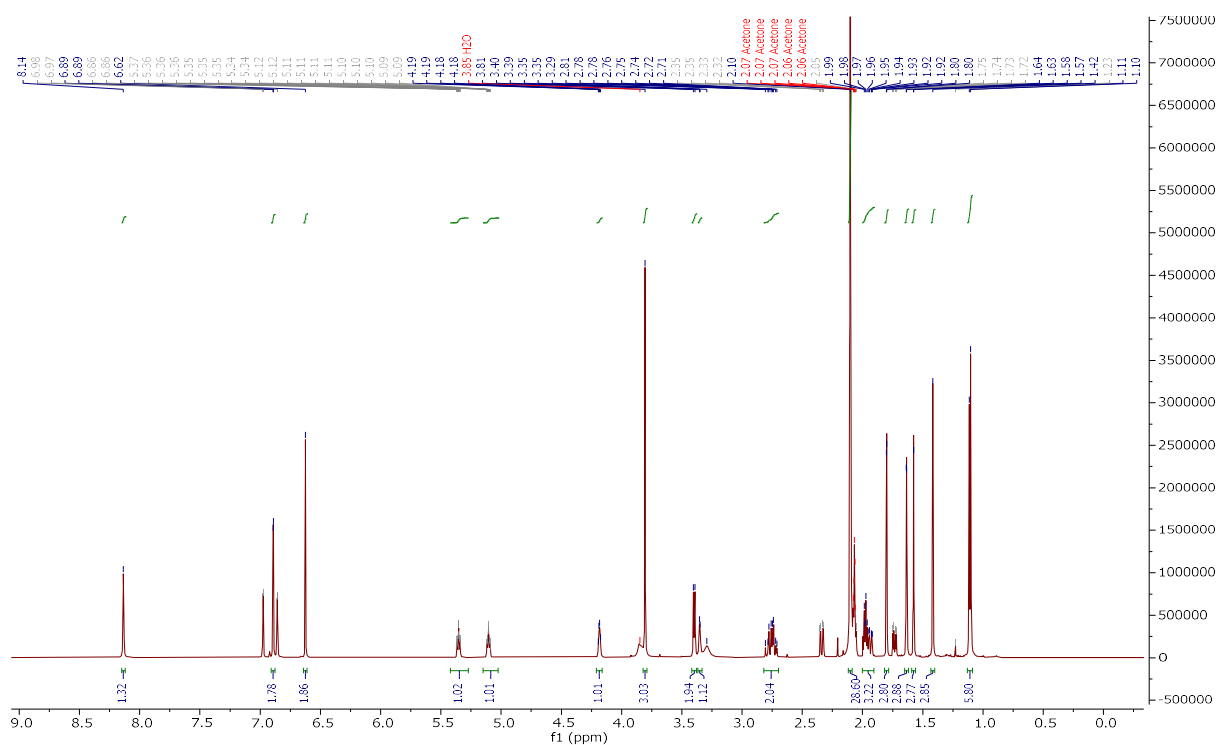


Figure S39: ^1H -NMR (500 MHz, acetone- d_6) spectrum of **10**

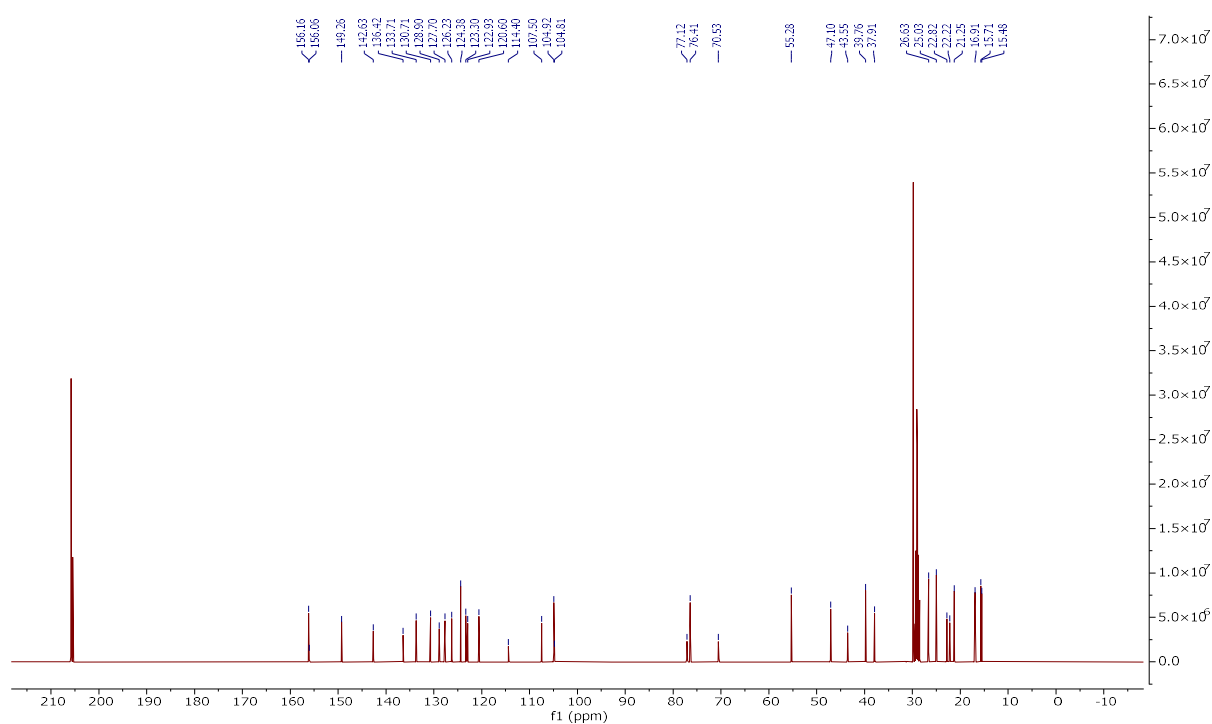


Figure S40: ^{13}C -NMR (1254 MHz, acetone- d_6) spectrum of **10**

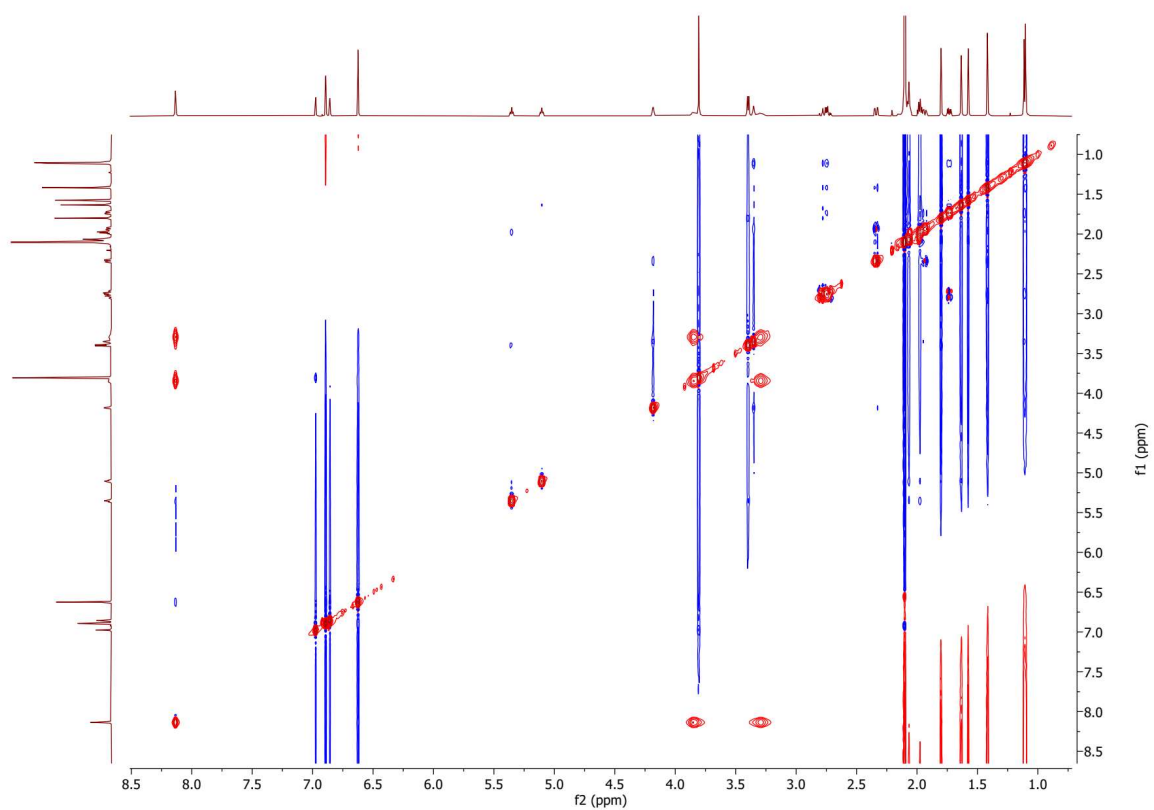


Figure S41: NOESY spectrum of **10**

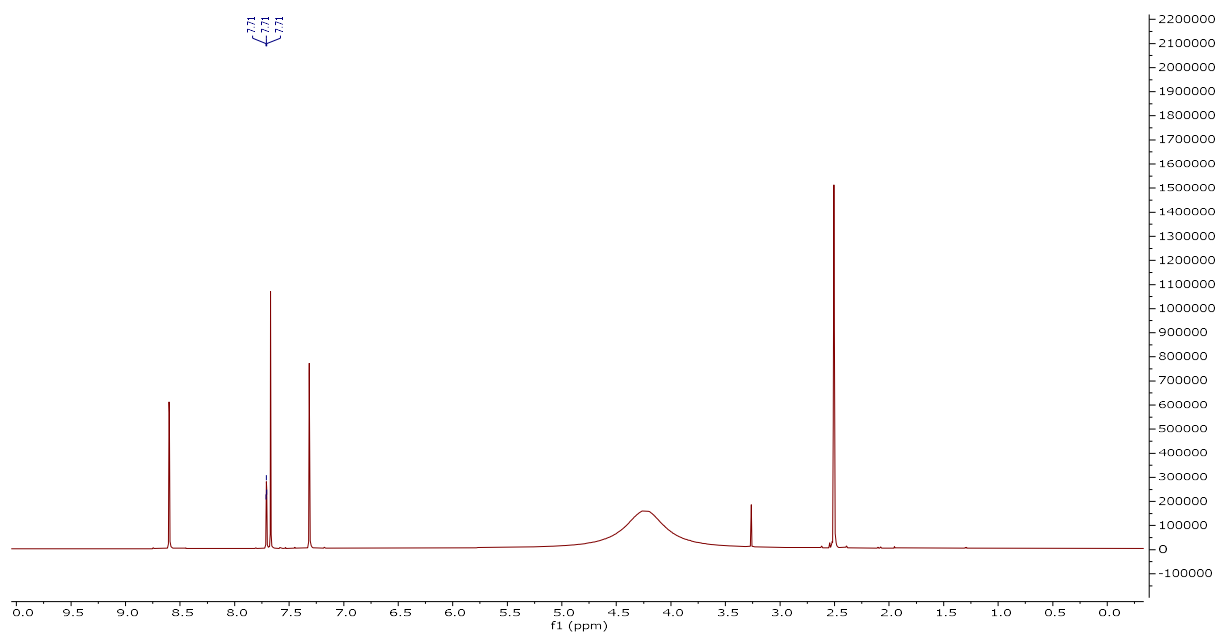


Figure S42: ¹H-NMR (500 MHz, Pyridine-*d*₅) spectrum of **11**

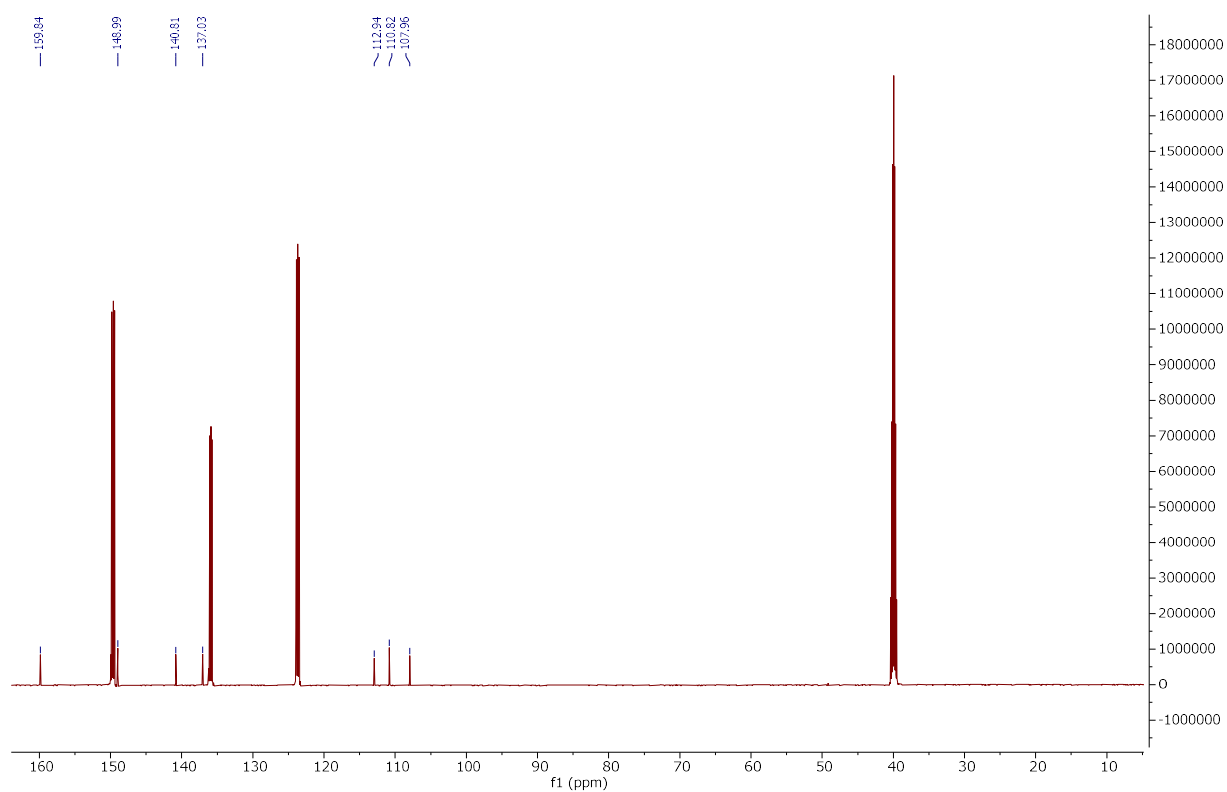


Figure S43: ^{13}C -NMR (125 MHz, $\text{Pyridine-}d_5$) spectrum of **11**

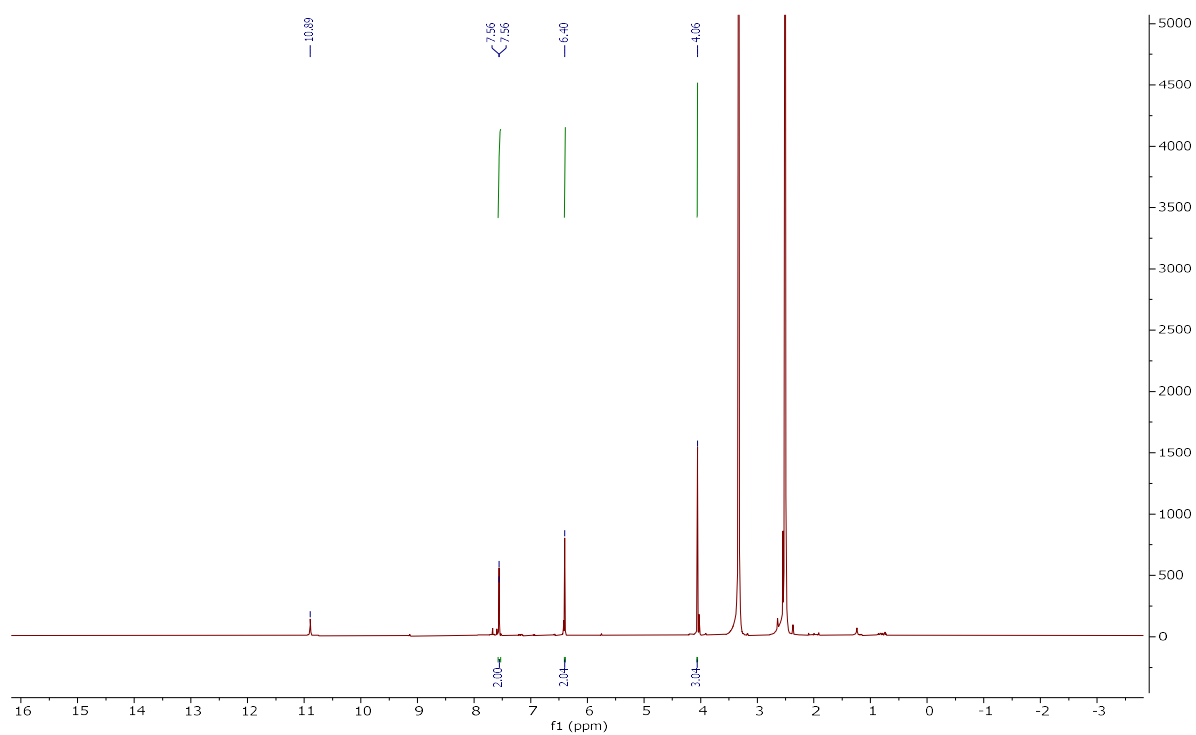


Figure S44: ^1H -NMR (500 MHz, $\text{DMSO-}d_6$) spectrum of **12**

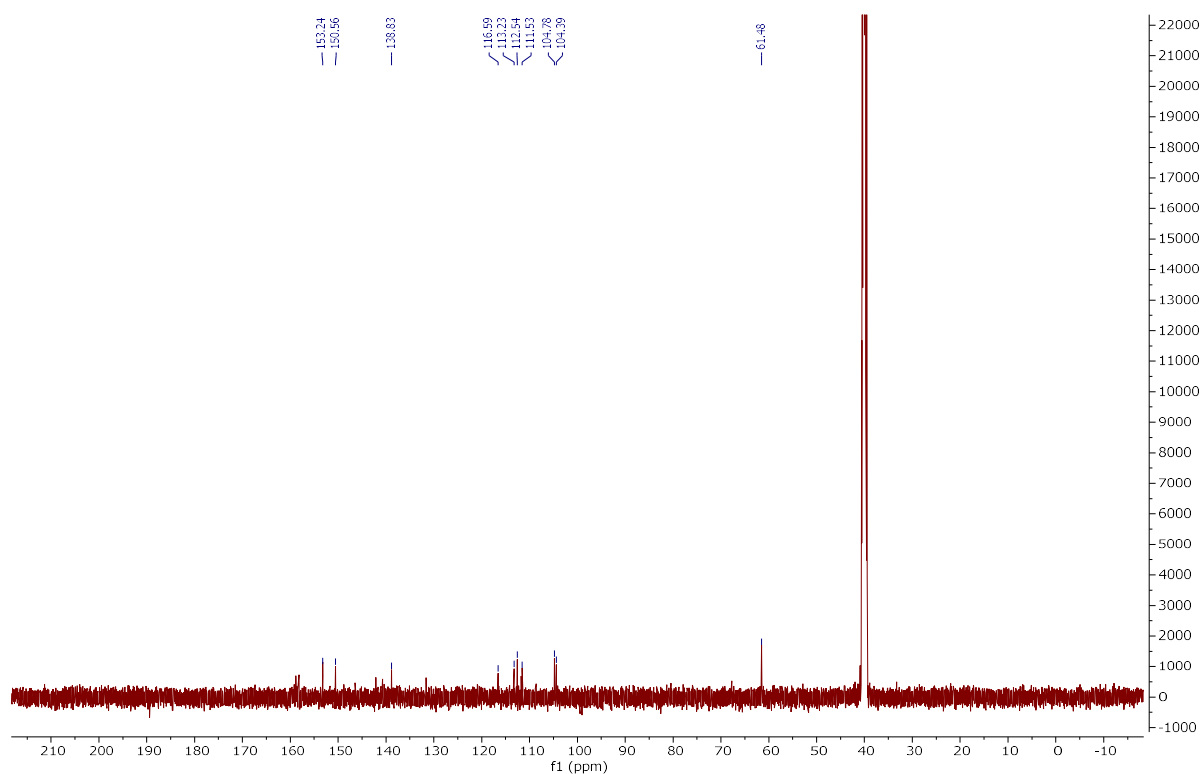


Figure S45: ^{13}C -NMR (125 MHz, $\text{DMSO}-d_6$) spectrum of **12**

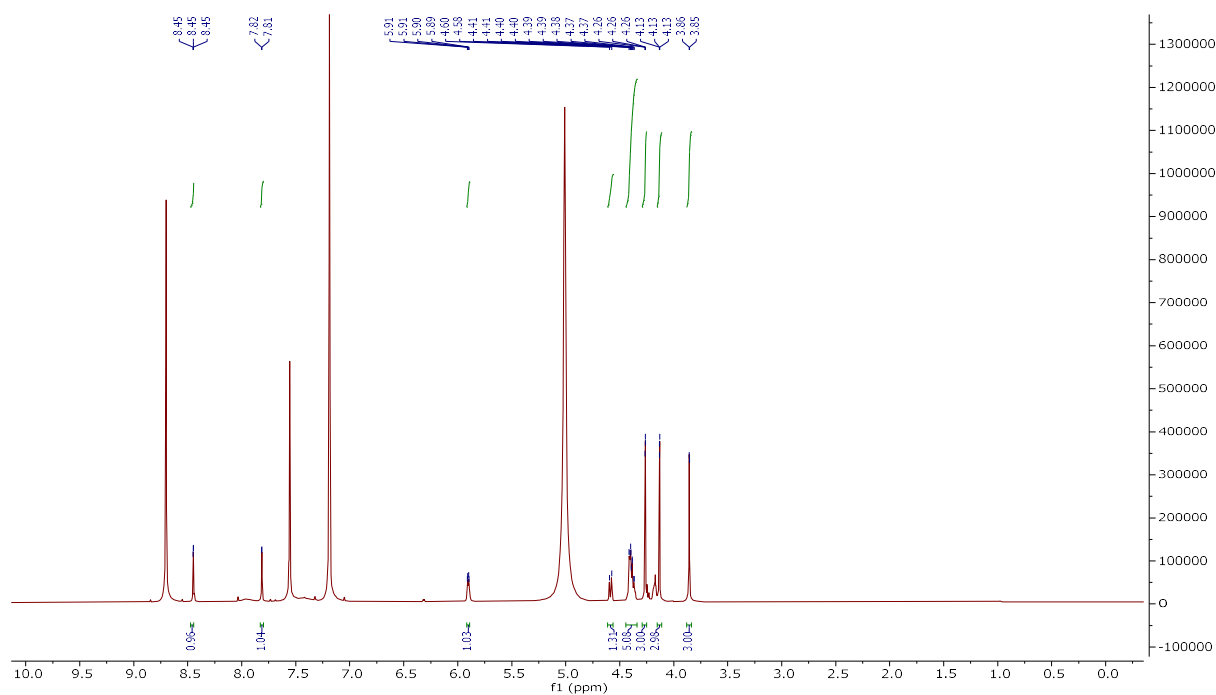


Figure S46: ^1H -NMR (500 MHz, $\text{Pyridine}-d_5$) spectrum of **13**

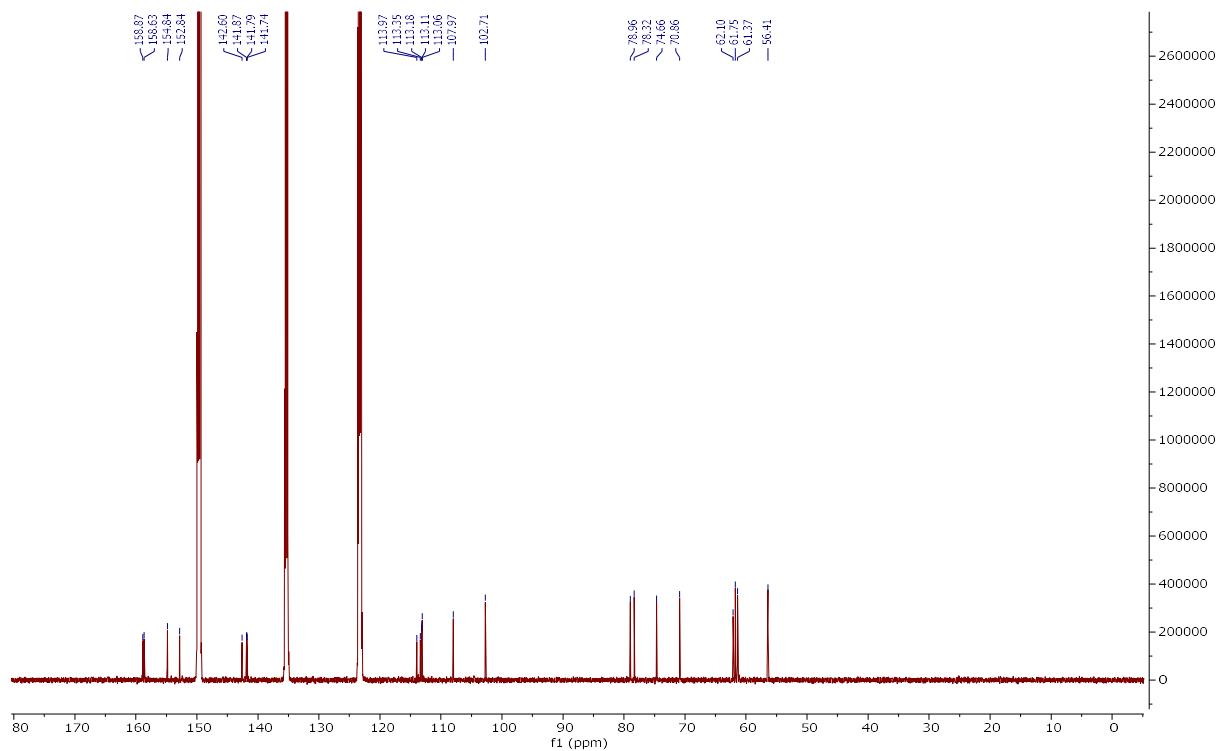


Figure S47: ¹³C-NMR (125 MHz, Pyridine-*d*₅) spectrum of **13**

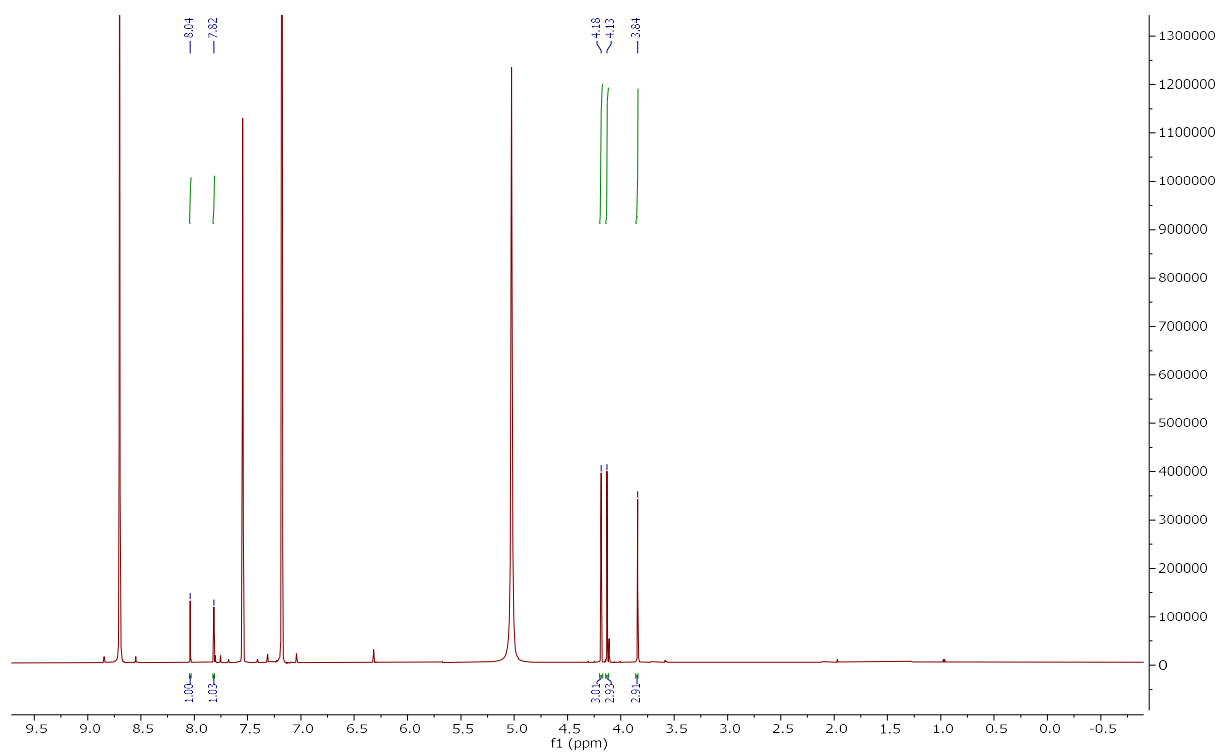


Figure S48: ¹H-NMR (500 MHz, Pyridine-*d*₅) spectrum of **14**

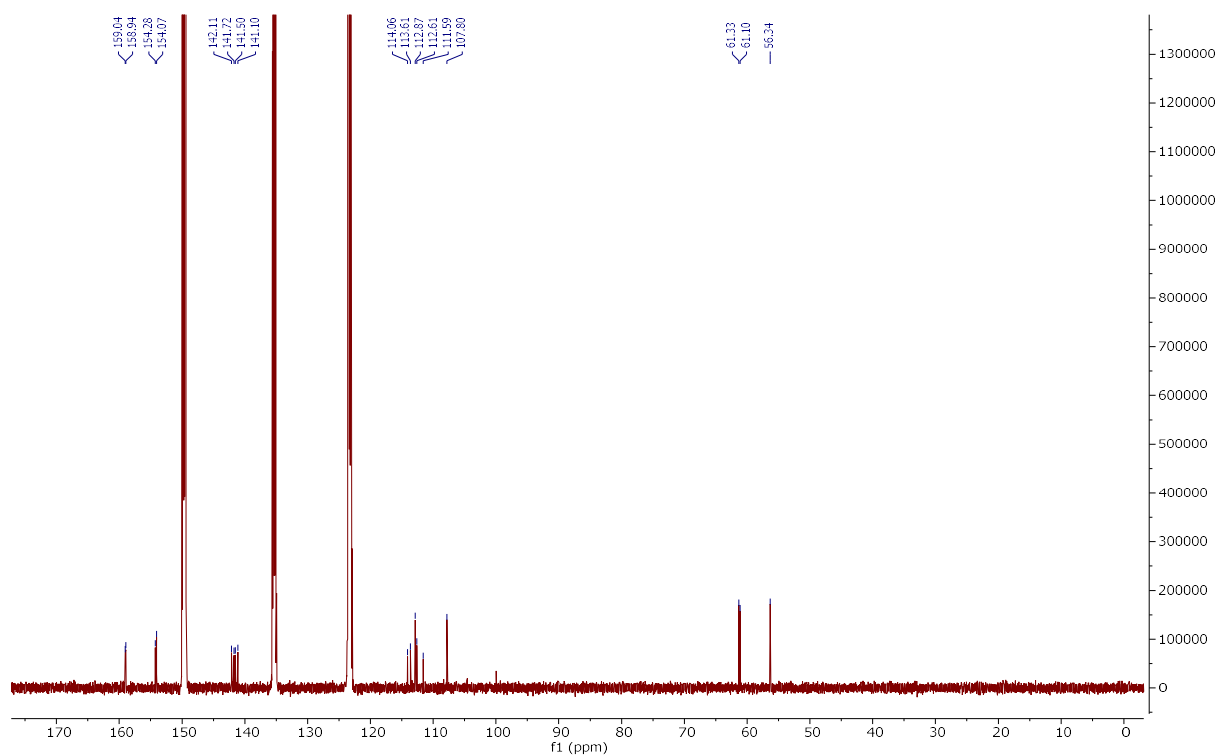


Figure S49: ^{13}C -NMR (125 MHz, Pyridine- d_5) spectrum of **14**

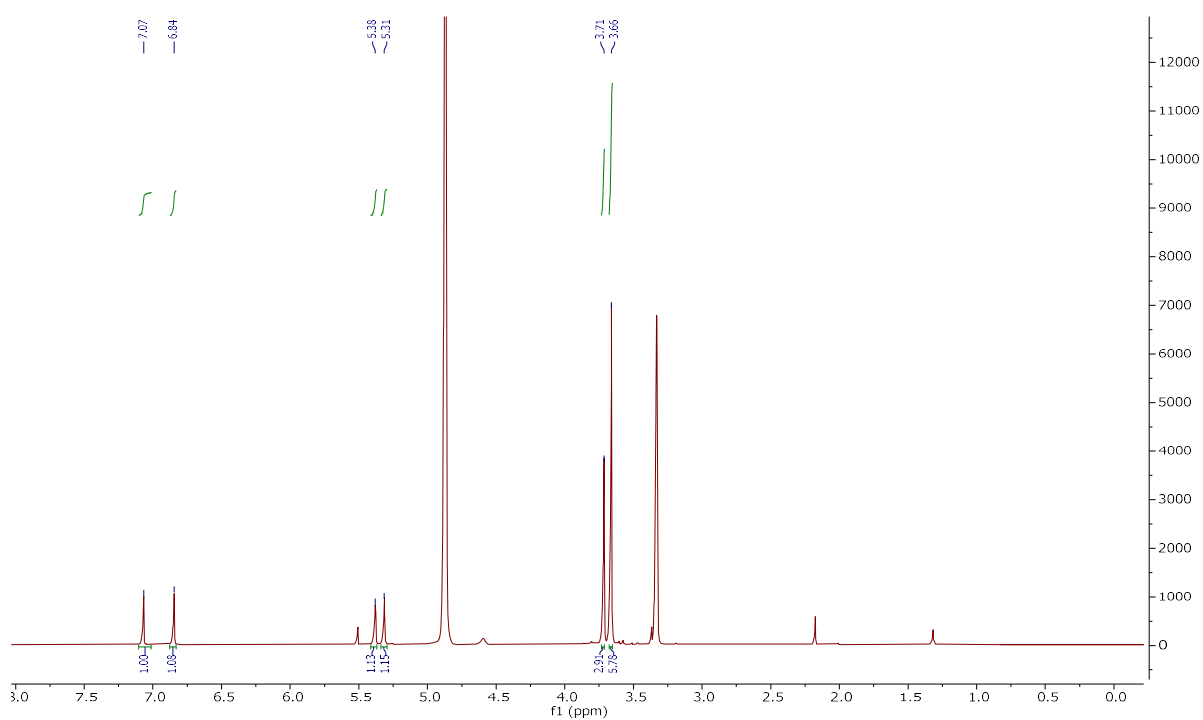


Figure S50: ^1H -NMR (500 MHz, CD_3OD) spectrum of **15**

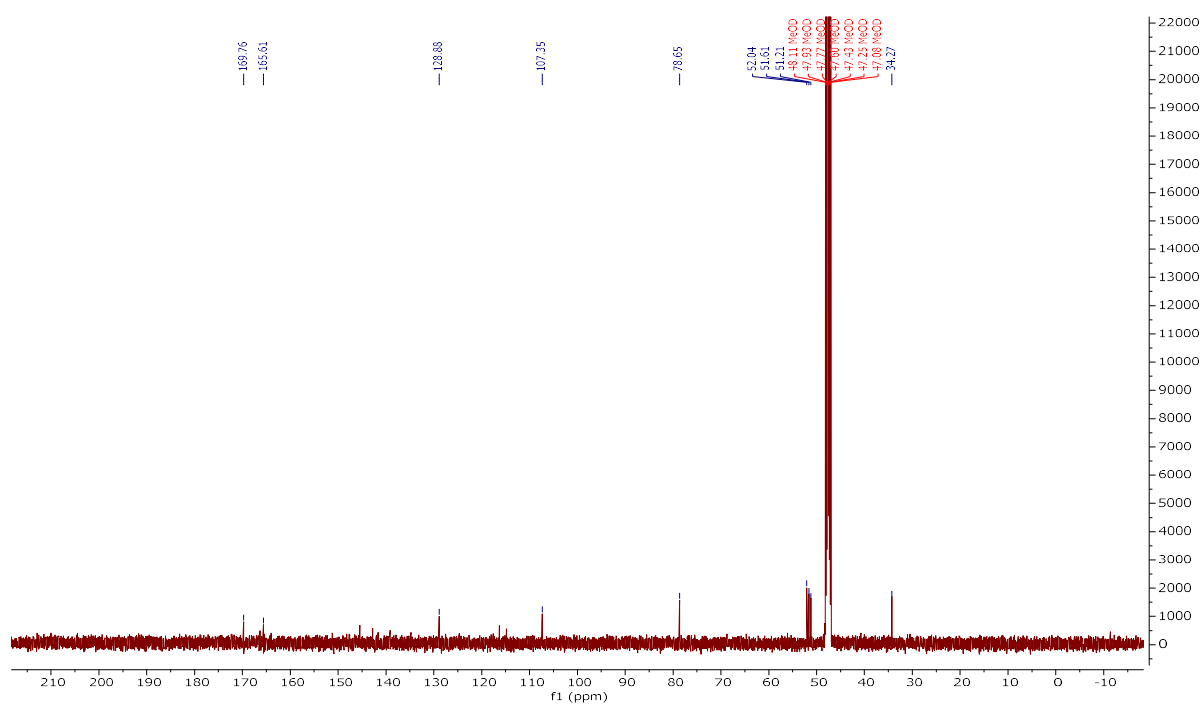


Figure S51: ¹³C-NMR (125 MHz, CD₃OD) spectrum of **15**

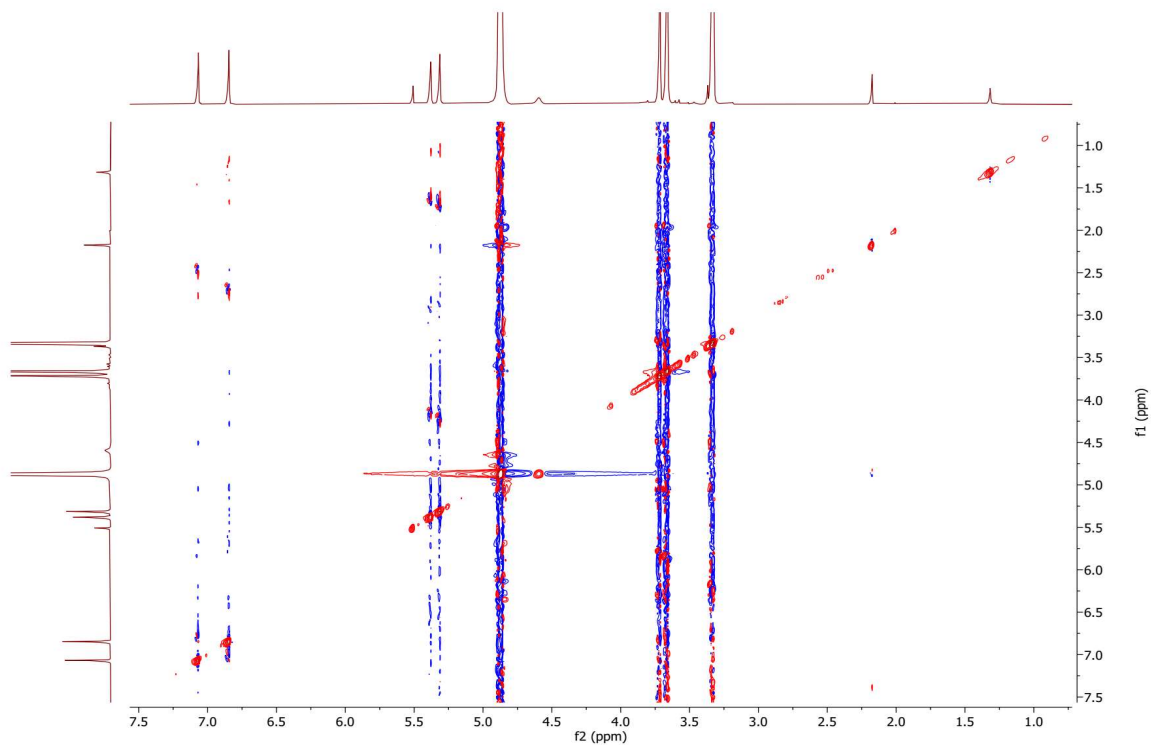


Figure S52: NOESY spectrum of **15**

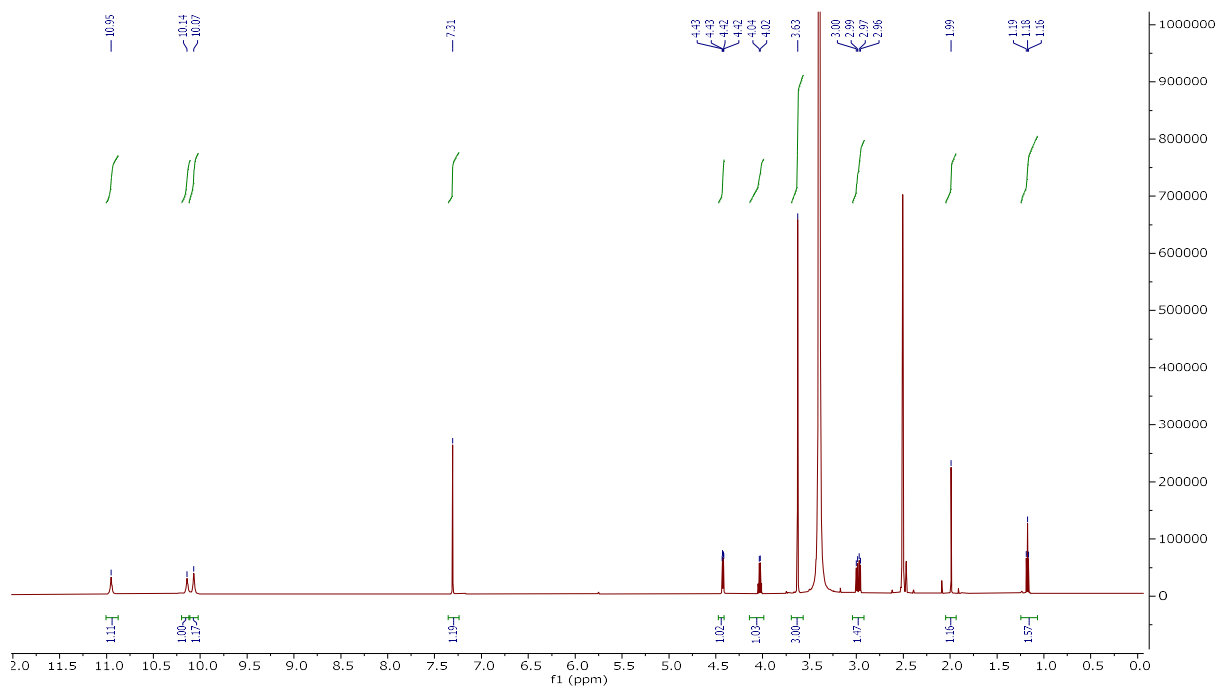


Figure S53: ¹H-NMR (500 MHz, DMSO-*d*₆) spectrum of **16**

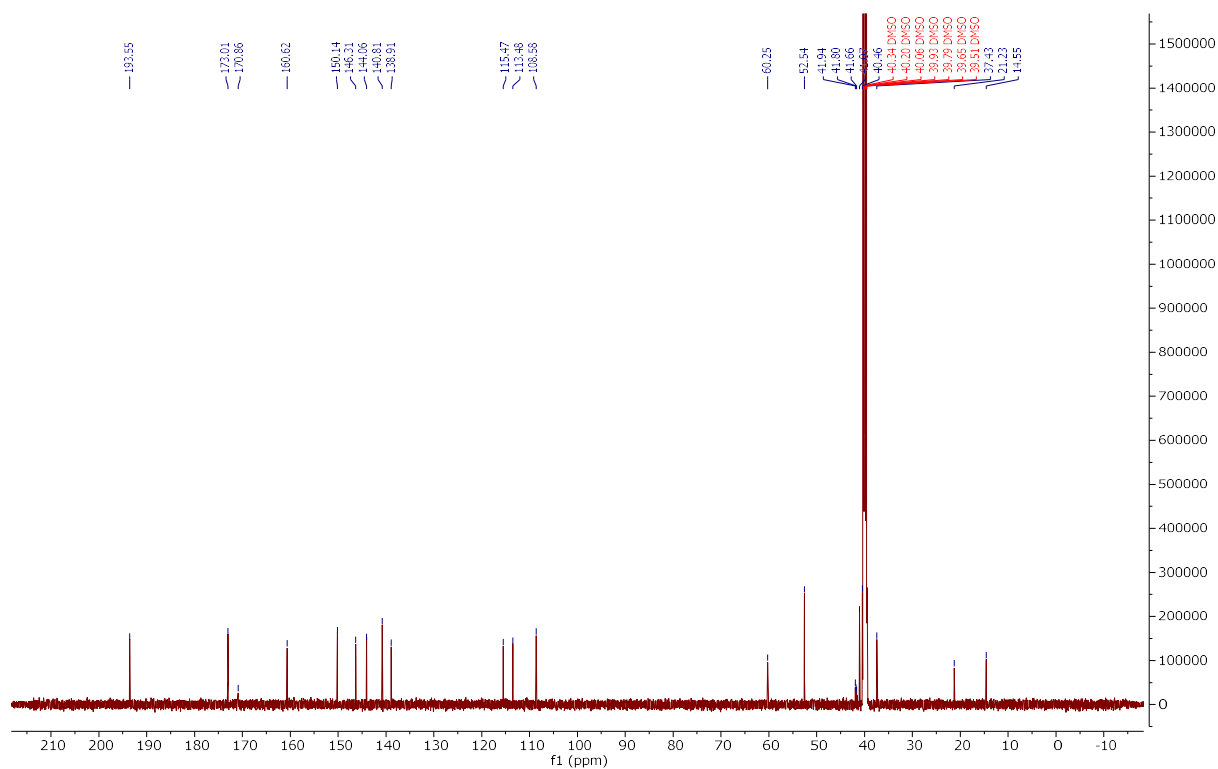


Figure S54: ¹³C-NMR (125 MHz, DMSO-*d*₆) spectrum of **16**

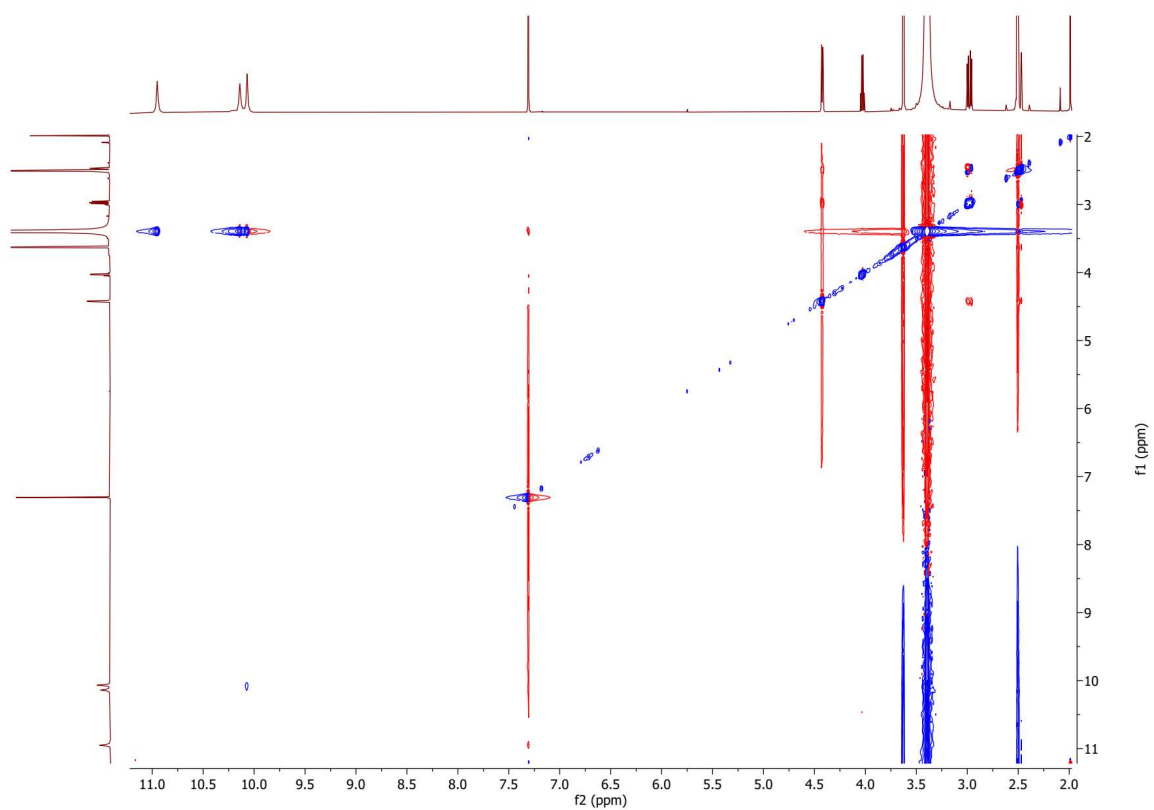


Figure S55: NOESY spectrum of **16**

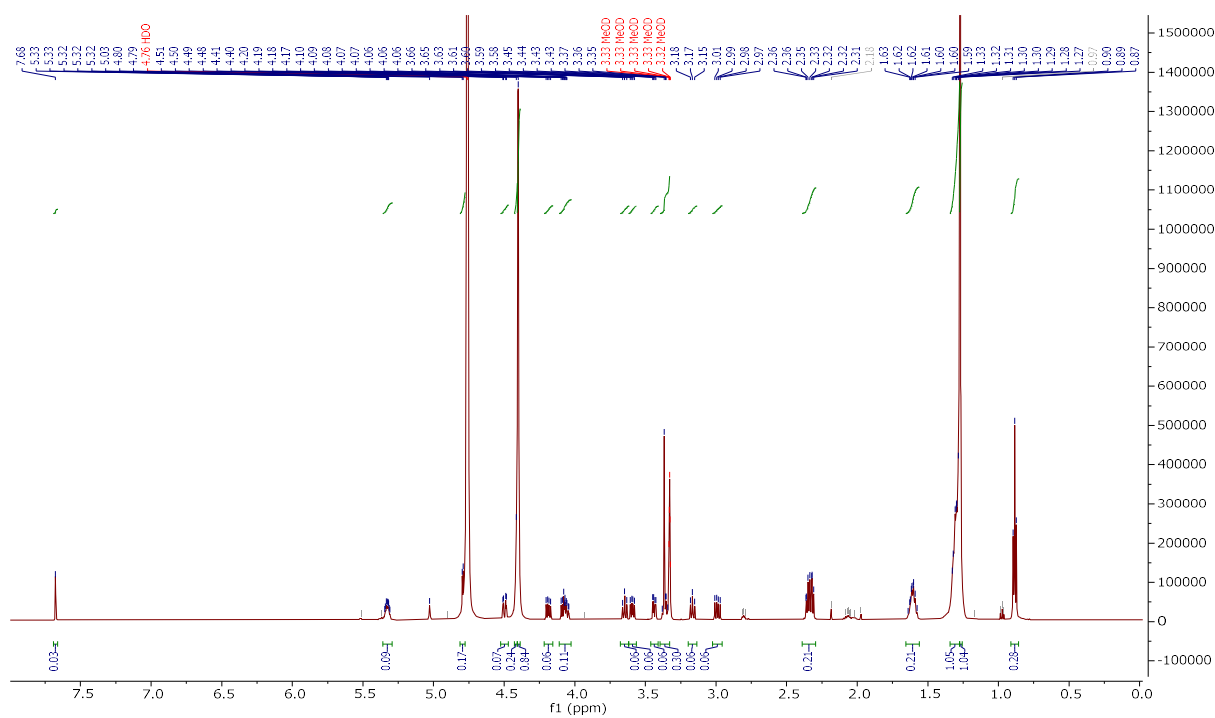


Figure S56: ^1H -NMR (500 MHz, CDCl_3 - CD_3OD) spectrum of **17**

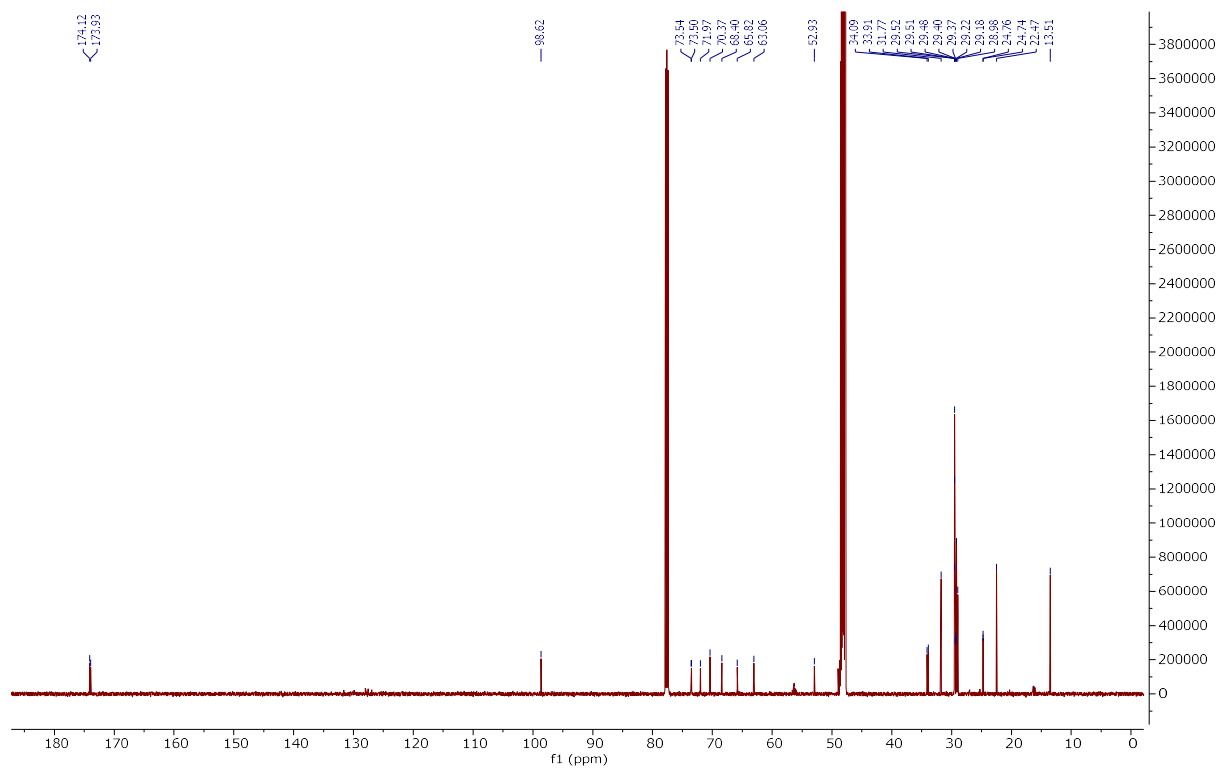
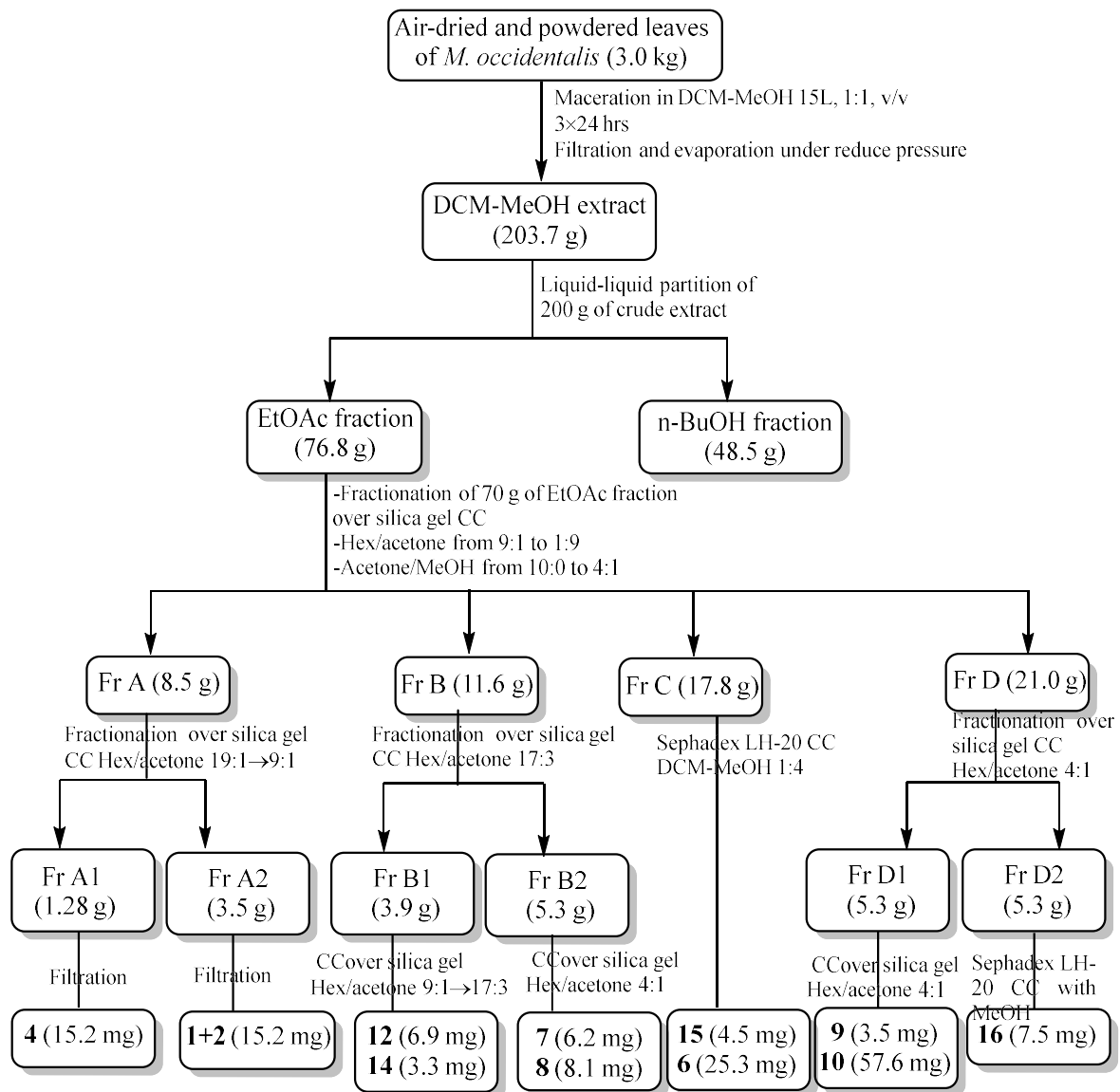
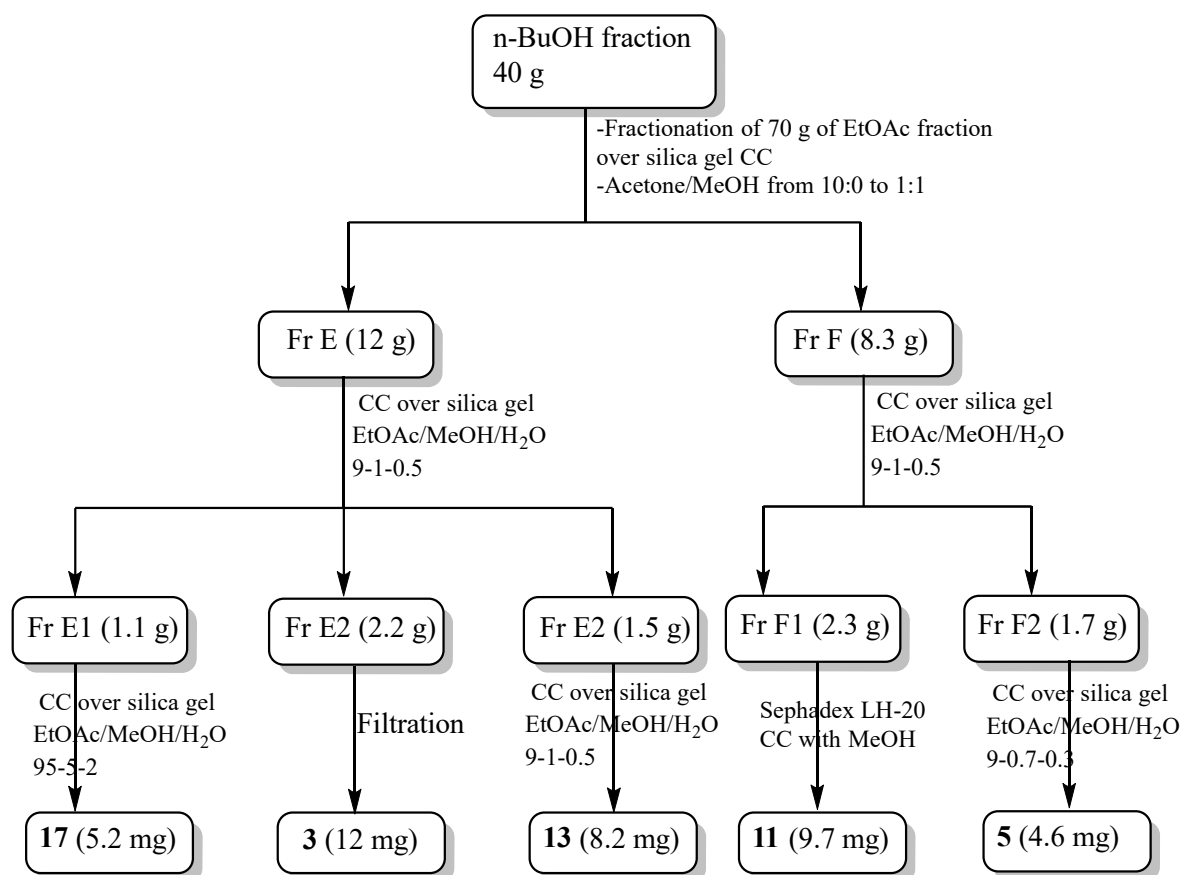


Figure S57: ¹³C-NMR (125 MHz, CDCl₃-CD₃OD) spectrum of 17





Scheme S1. Protocol of extraction and isolation of compounds from *M. occidentalis*