

Supplementary Information

Figure S1.	HR-ESI-MS spectrum of 1 .	2
Figure S2.	HR-ESI-MS-MS spectrum of 1 .	2
Figure S3.	HPLC chromatogram of 1 .	2
Figure S4.	Infrared spectrum of 1 .	3
Figure S5.	^1H -NMR spectrum (500 MHz, 4:1 CDCl ₃ /CD ₃ OD) of 1 .	3
Figure S6.	^{13}C -NMR spectrum (125 MHz, 4:1 CDCl ₃ /CD ₃ OD) of 1 .	4
Figure S7.	^1H - ^1H -COSY spectrum (500 \times 500 MHz, 4:1 CDCl ₃ /CD ₃ OD) of 1 .	5
Figure S8.	^1H - ^{13}C -HSQC spectrum (500 \times 125 MHz, 4:1 CDCl ₃ /CD ₃ OD) of 1 .	6
Figure S9.	^1H - ^{13}C -HMBC spectrum (500 \times 125 MHz, 4:1 CDCl ₃ /CD ₃ OD) of 1 .	7
Figure S10.	^1H - ^{15}N -HMBC spectrum (500 \times 50 MHz, 4:1 CDCl ₃ /CD ₃ OD) of 1 .	8
Figure S11.	HR-ESI-MS spectrum of 2 .	8
Figure S12.	HR-ESI-MS-MS spectrum of 2 .	9
Figure S13.	^1H -NMR spectrum (500 MHz, 4:1 CDCl ₃ /CD ₃ OD) of 2 .	9
Figure S14.	^{13}C -NMR spectrum (125 MHz, 4:1 CDCl ₃ /CD ₃ OD) of 2 .	10
Figure S15.	HSQC spectrum (500 \times 125 MHz, 4:1 CDCl ₃ /CD ₃ OD) of 2 .	11
Figure S16.	^1H - ^{13}C -HMBC spectrum (500 \times 125 MHz, 4:1 CDCl ₃ /CD ₃ OD) of 2 .	12
Figure S17.	^1H - ^{15}N -HMBC spectrum (500 \times 50 MHz, 4:1 CDCl ₃ /CD ₃ OD of 2 .	13
Figure S18.	HR-ESI-MS spectrum of 3 .	13
Figure S19.	^1H -NMR spectrum (500 MHz, pyridine- <i>d</i> ₅) of 3 .	14
Figure S20.	^{13}C -NMR spectrum (125 MHz, pyridine- <i>d</i> ₅) of 3 .	14
Figure S21.	^1H - ^1H -COSY spectrum (500 \times 500 MHz, pyridine- <i>d</i> ₅) of 3 .	15
Figure S22.	^1H - ^{13}C -HSQC spectrum (500 \times 125 MHz, pyridine- <i>d</i> ₅) of 3 .	15
Figure S23.	^1H - ^{13}C -HMBC spectrum (500 \times 125 MHz, pyridine- <i>d</i> ₅) of 3 .	16
Figure S24.	HR-ESI-MS spectrum of 4 .	16
Figure S25.	^1H -NMR spectrum (500 MHz, pyridine- <i>d</i> ₅) of 4 .	17
Figure S26.	^{13}C -NMR spectrum (125 MHz, pyridine- <i>d</i> ₅) of 4 .	18
Figure S27.	^1H - ^1H -COSY spectrum (500 \times 500 MHz, pyridine- <i>d</i> ₅) of 4 .	19
Figure S28.	^1H - ^{13}C -HSQC spectrum (500 \times 125 MHz, pyridine- <i>d</i> ₅) of 4 .	20
Figure S29.	^1H - ^{13}C -HMBC spectrum (500 \times 125 MHz, pyridine- <i>d</i> ₅) of 4 .	21
Figure S30.	^1H -NMR spectrum (500 MHz, CDCl ₃) of 3 .	22
Figure S31.	^{13}C -NMR spectrum (125 MHz, CDCl ₃) of 3 .	23
Figure S32.	^1H - ^{13}C -HSQC spectrum (500 \times 125 MHz, CDCl ₃) of 3 .	23
Figure S33.	^1H -NMR spectrum (500 MHz, CDCl ₃) of 4 .	24
Figure S34.	^{13}C -NMR spectrum (125 MHz, CDCl ₃) of 4 .	25

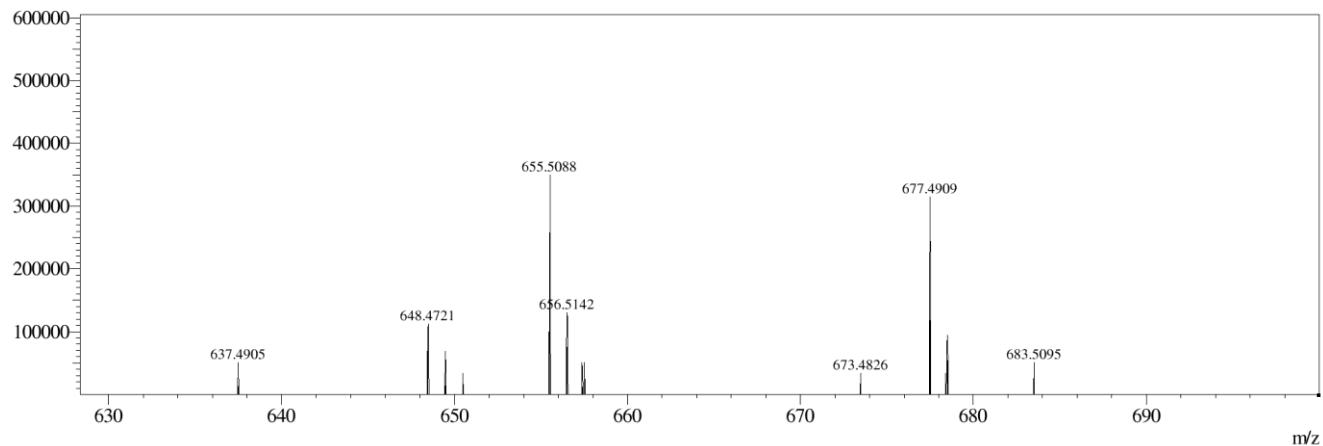
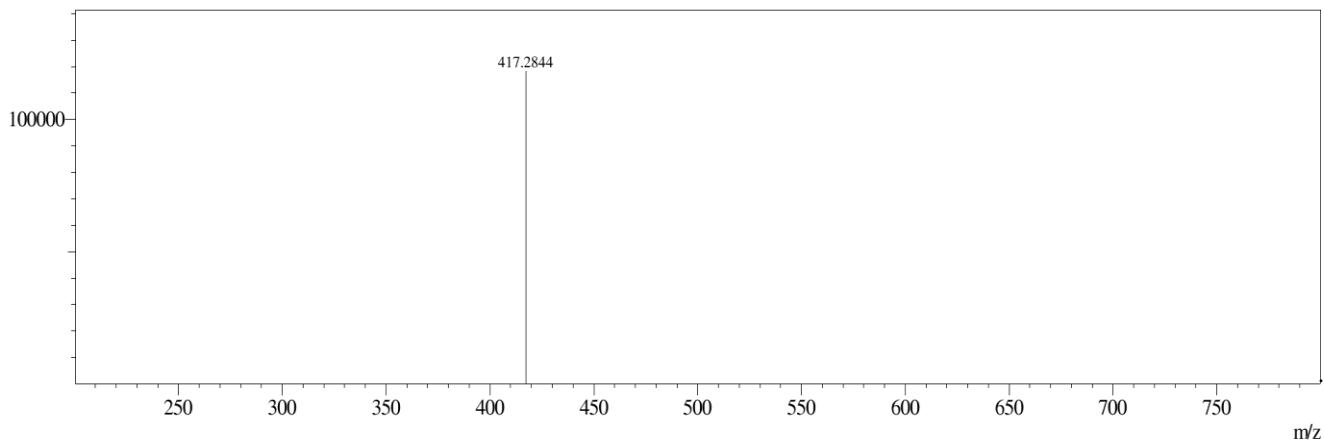
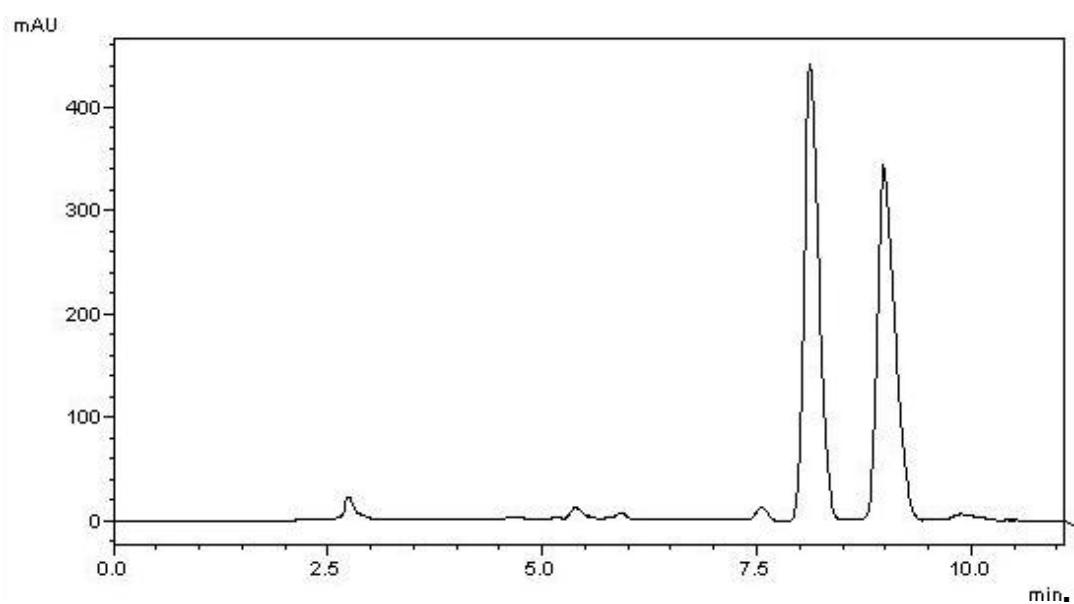
Figure S1. HR-ESI-MS spectrum of **1**.**Figure S2.** HR-ESI-MS-MS spectrum of **1**.**Figure S3.** HPLC chromatogram of **1**.

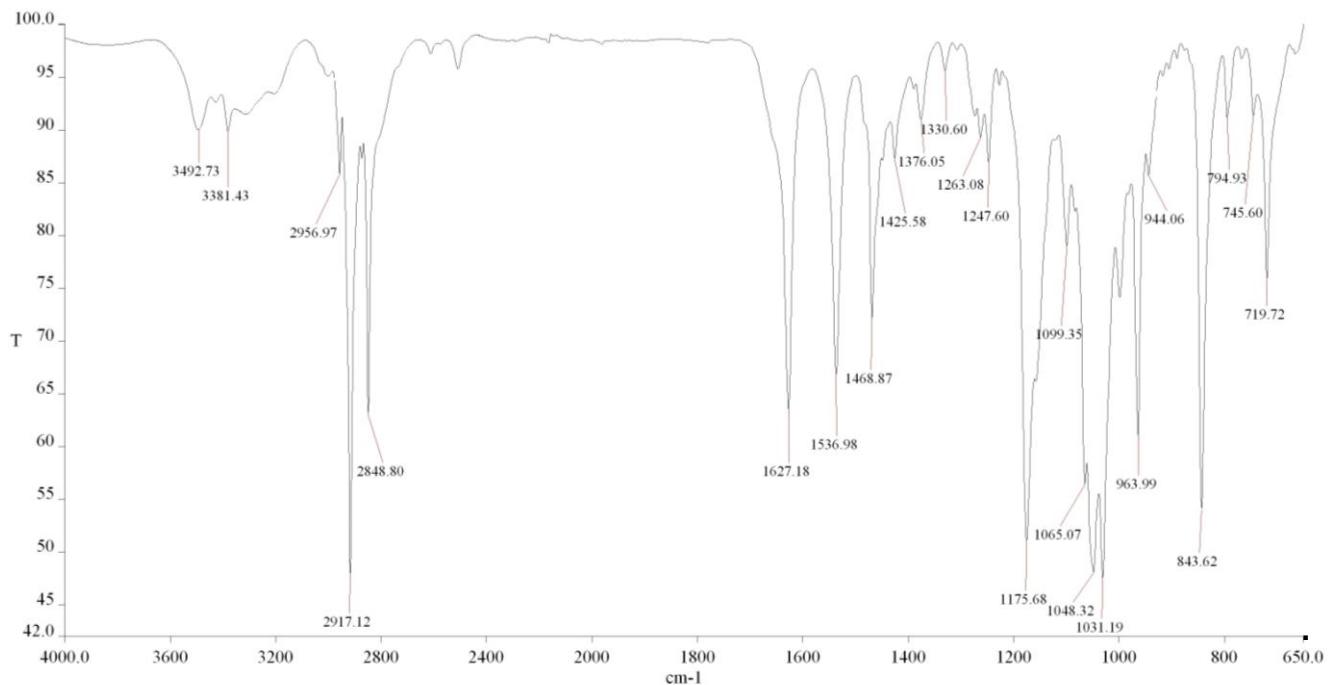
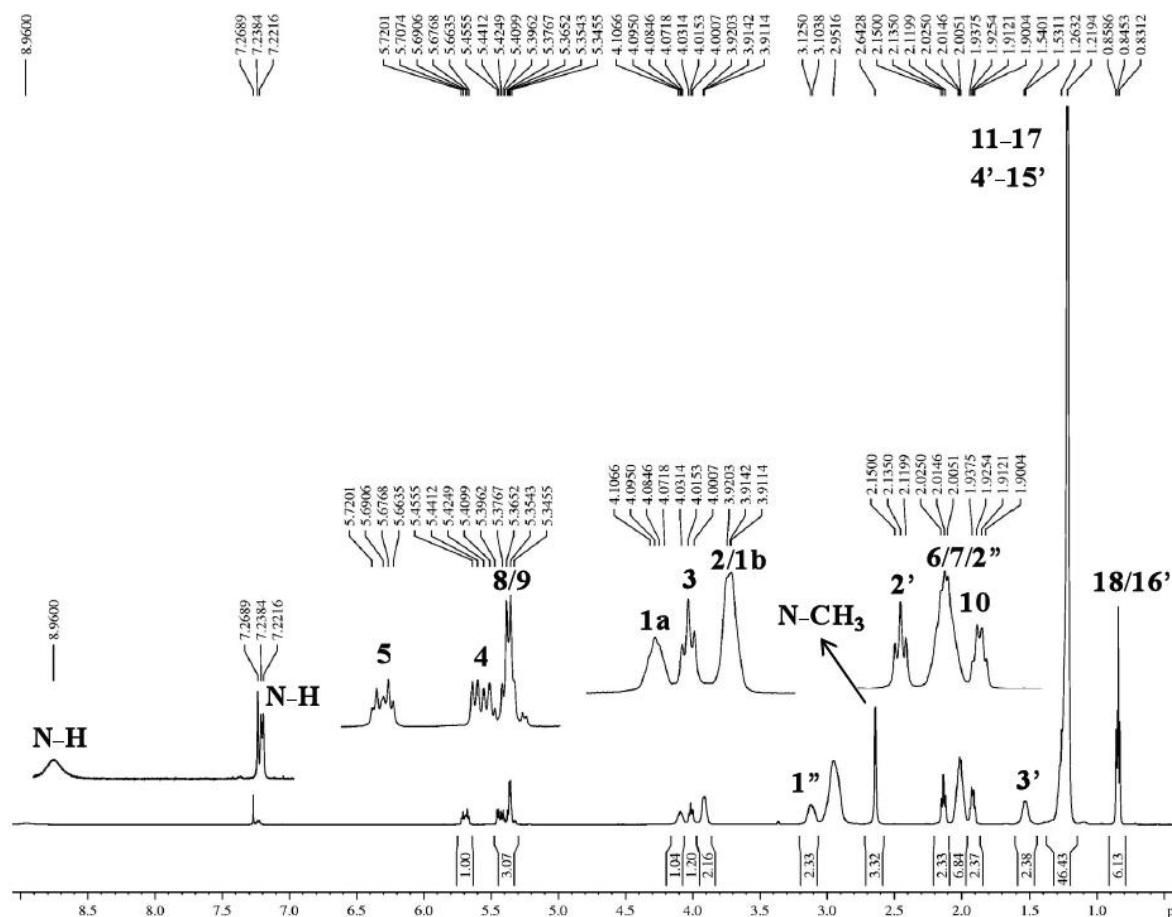
Figure S4. Infrared spectrum of **1**.**Figure S5.** ^1H -NMR spectrum (500 MHz, 4:1 $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **1**. (bottom) Expansion of the olefin region depicting assignments of protons H4, H5, H8 and H9.

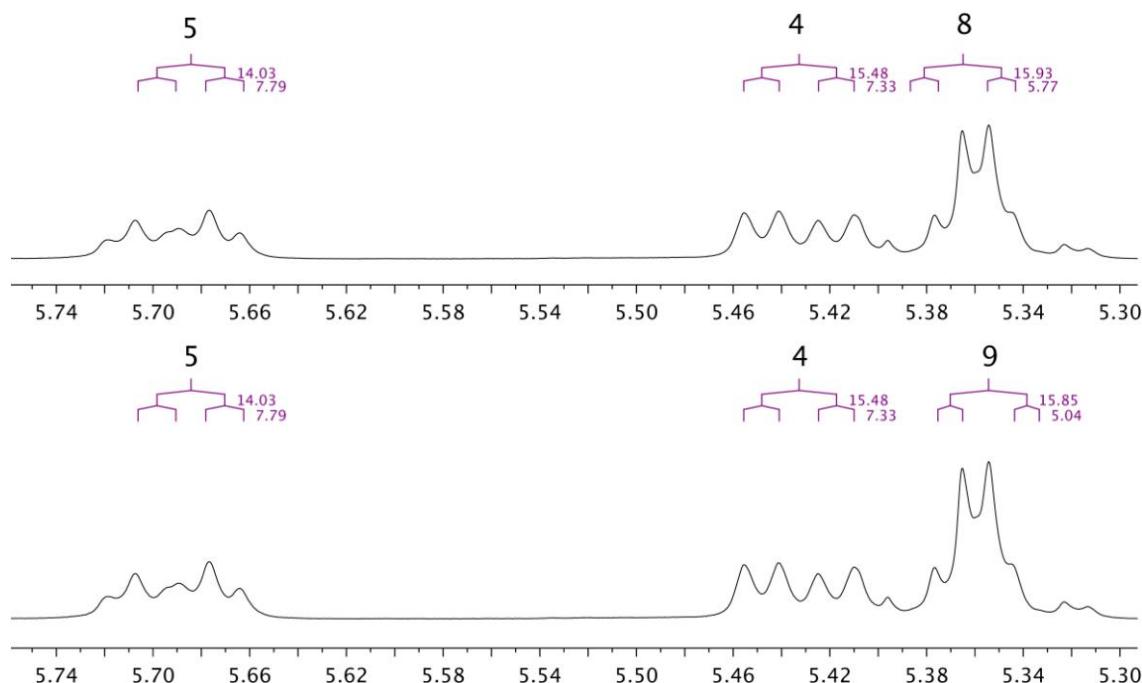
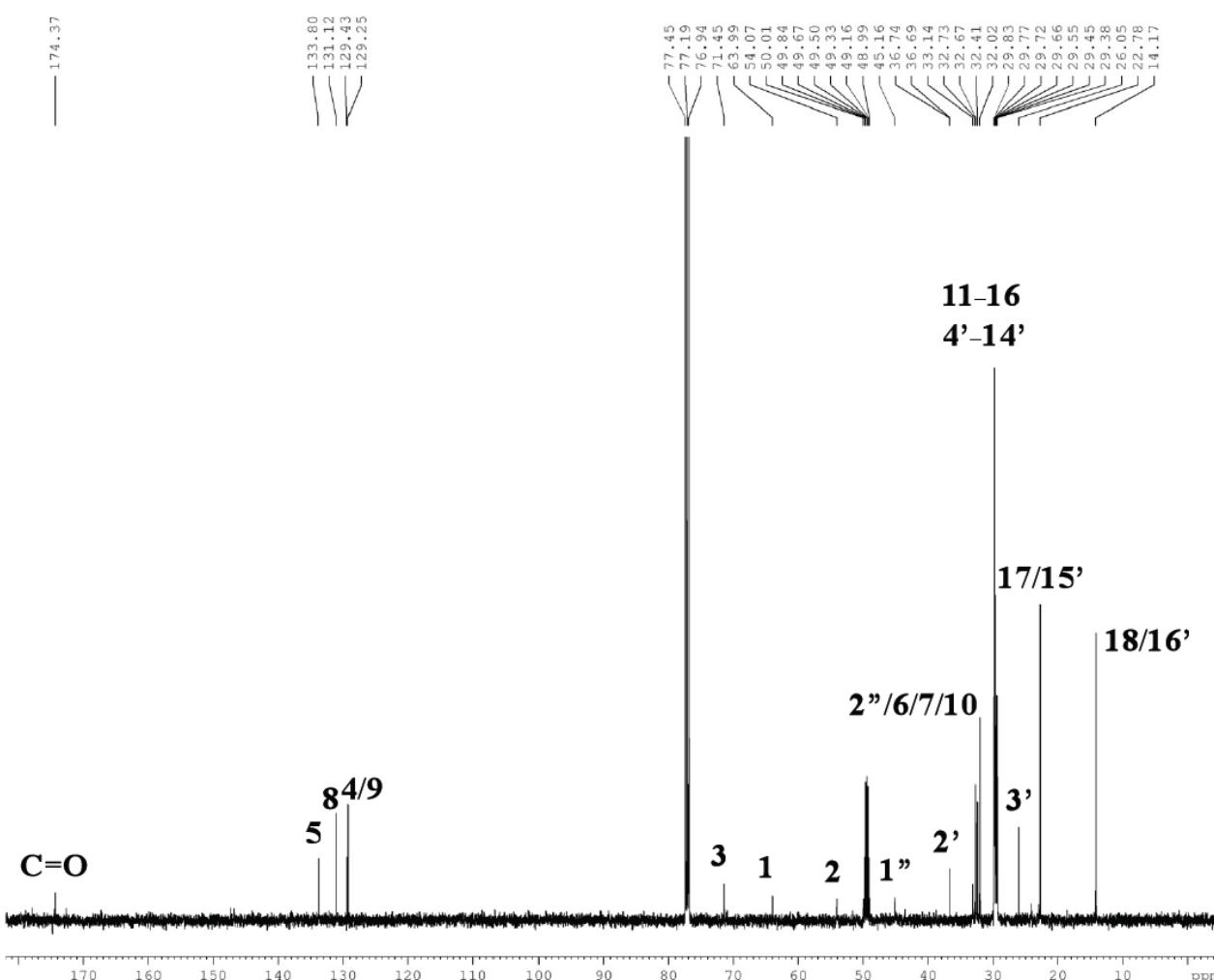
Figure S5. *Cont.***Figure S6.** ^{13}C -NMR spectrum (125 MHz, 4:1 $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **1**.

Figure S7. ^1H - ^1H -COSY spectrum (500×500 MHz, 4:1 $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **1**.

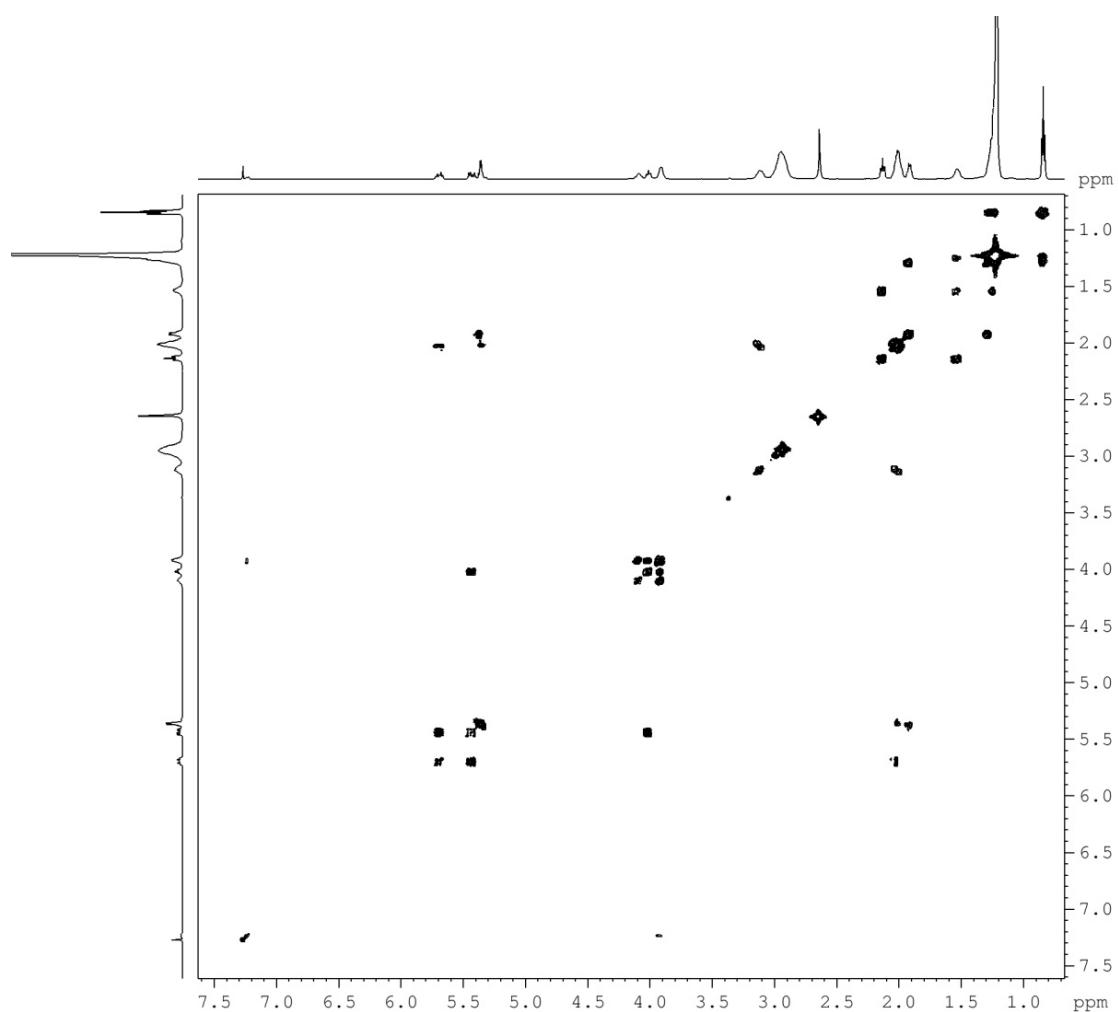


Figure S8. ^1H - ^{13}C -HSQC spectrum (500×125 MHz, 4:1 $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **1**.

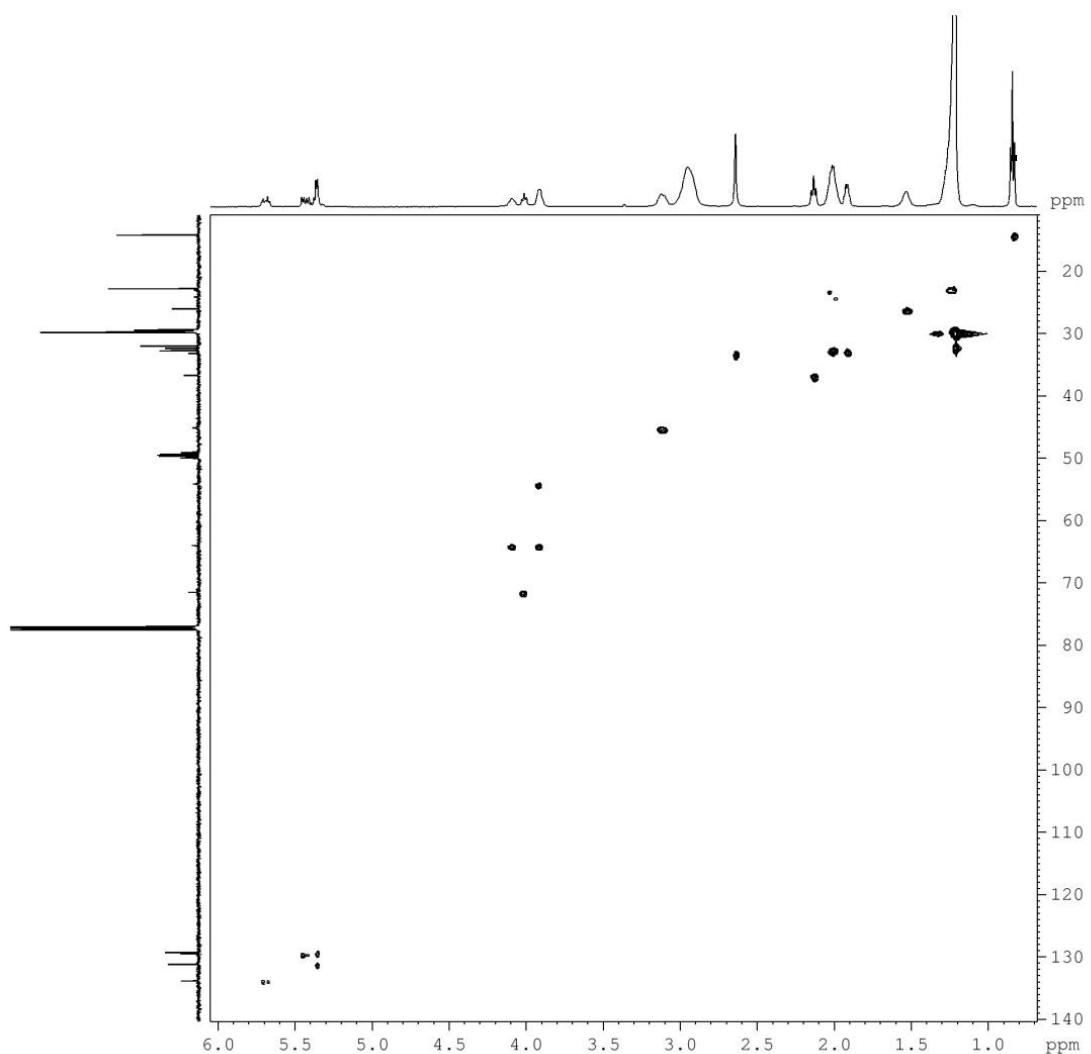


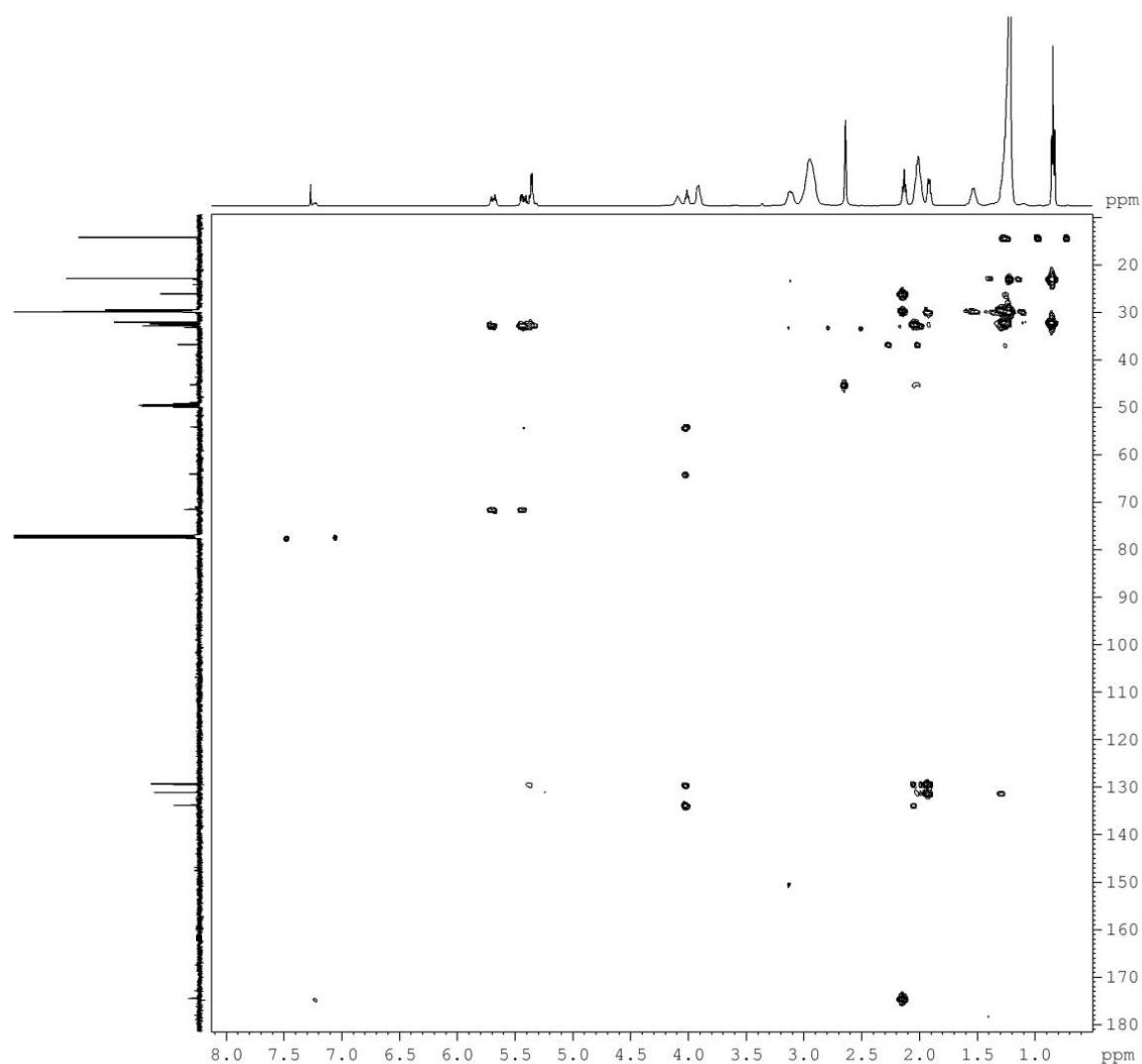
Figure S9. ^1H - ^{13}C -HMBC spectrum (500 \times 125 MHz, 4:1 $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **1**.

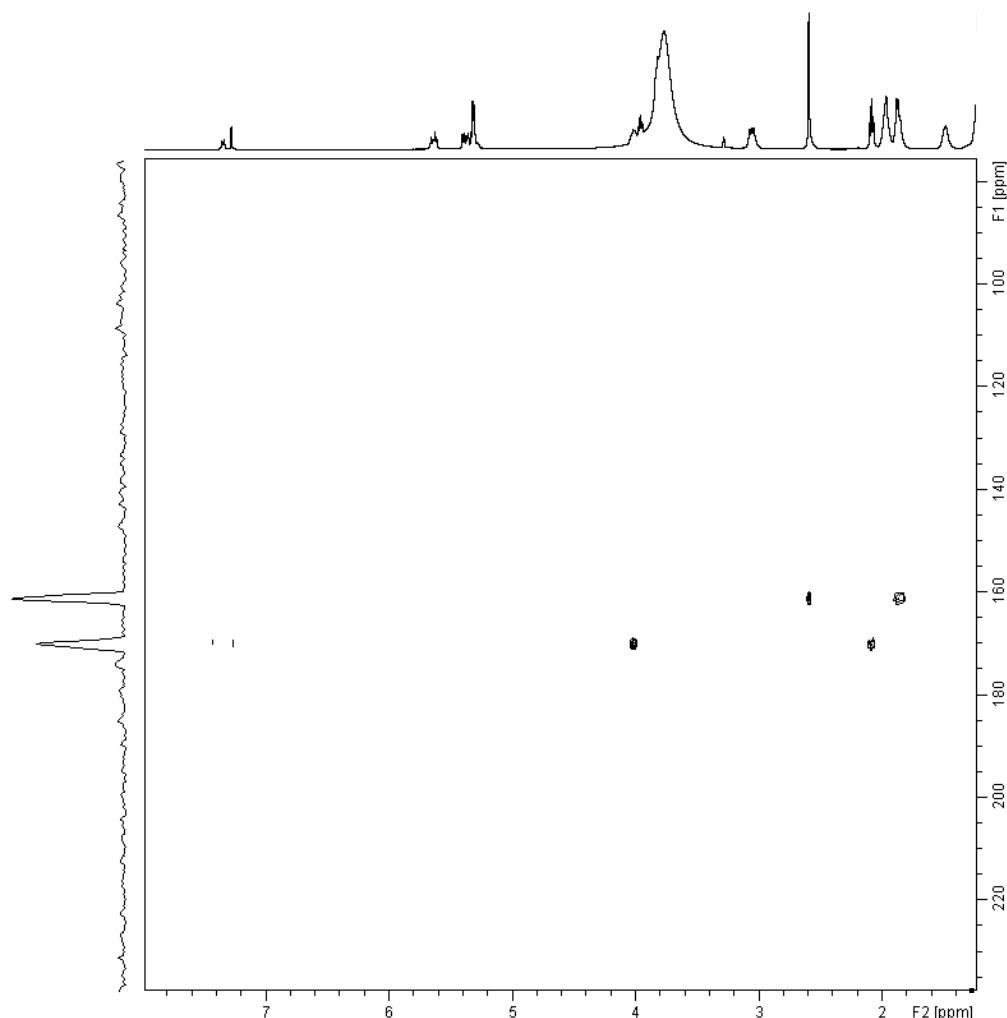
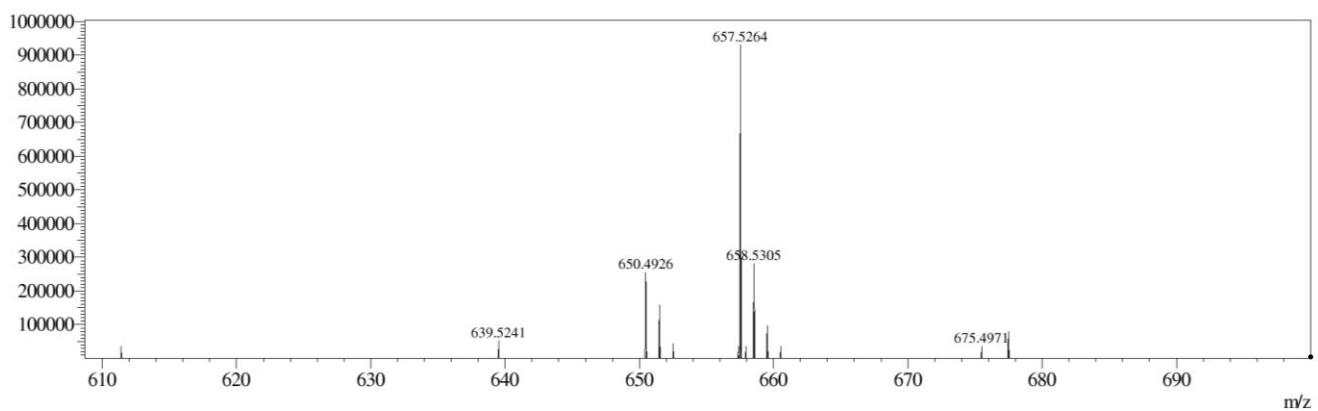
Figure S10. ^1H - ^{15}N -HMBC spectrum (500 \times 50 MHz, 4:1 $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **1**.**Figure S11.** HR-ESI-MS spectrum of **2**.

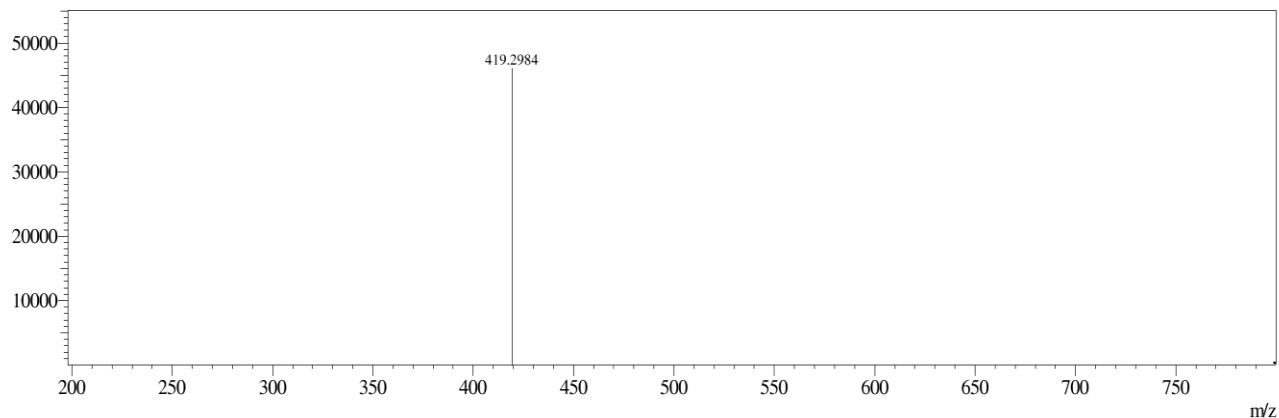
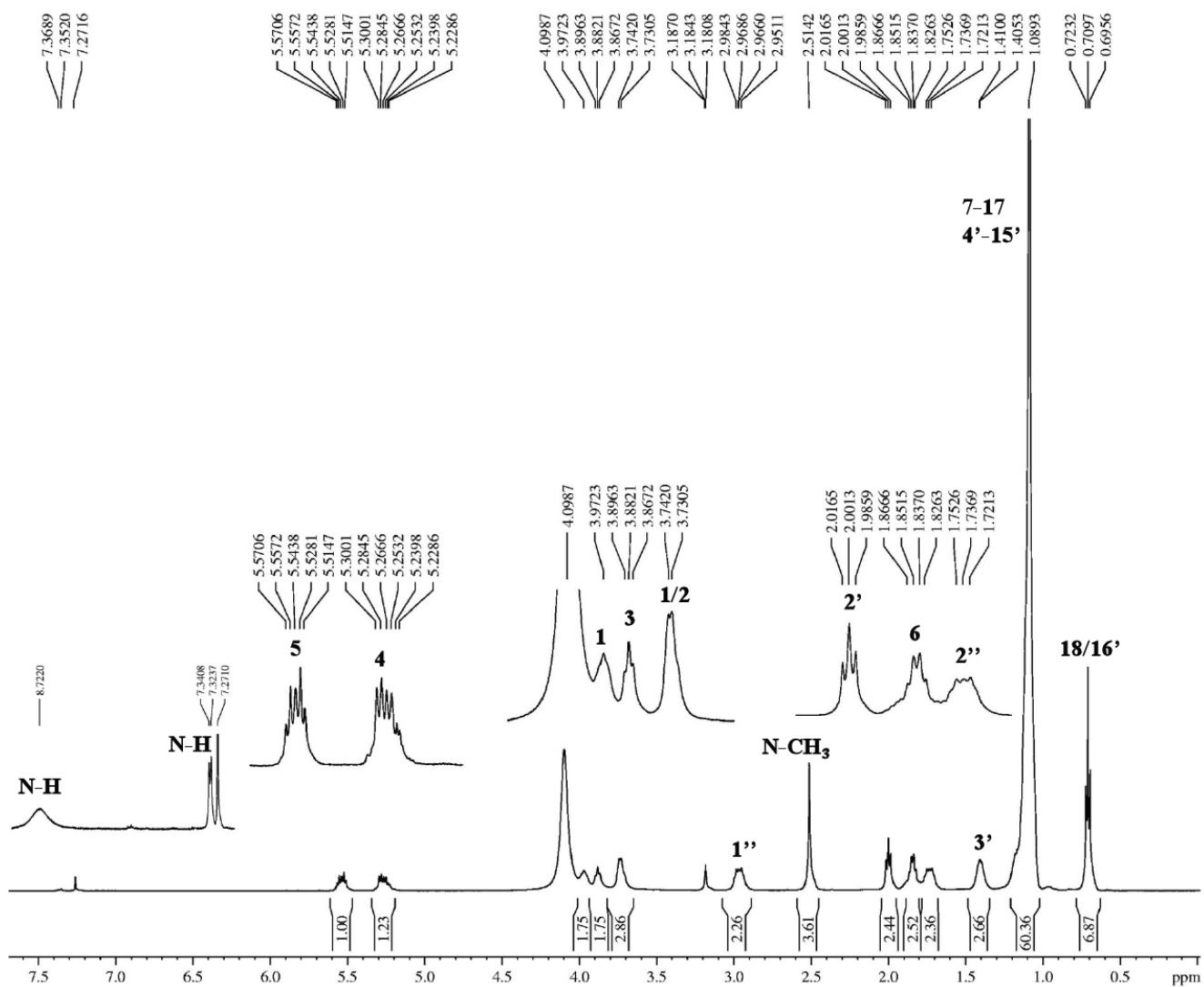
Figure S12. HR-ESI-MS-MS spectrum of **2**.**Figure S13.** ^1H -NMR spectrum (500 MHz, 4:1 $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **2**.

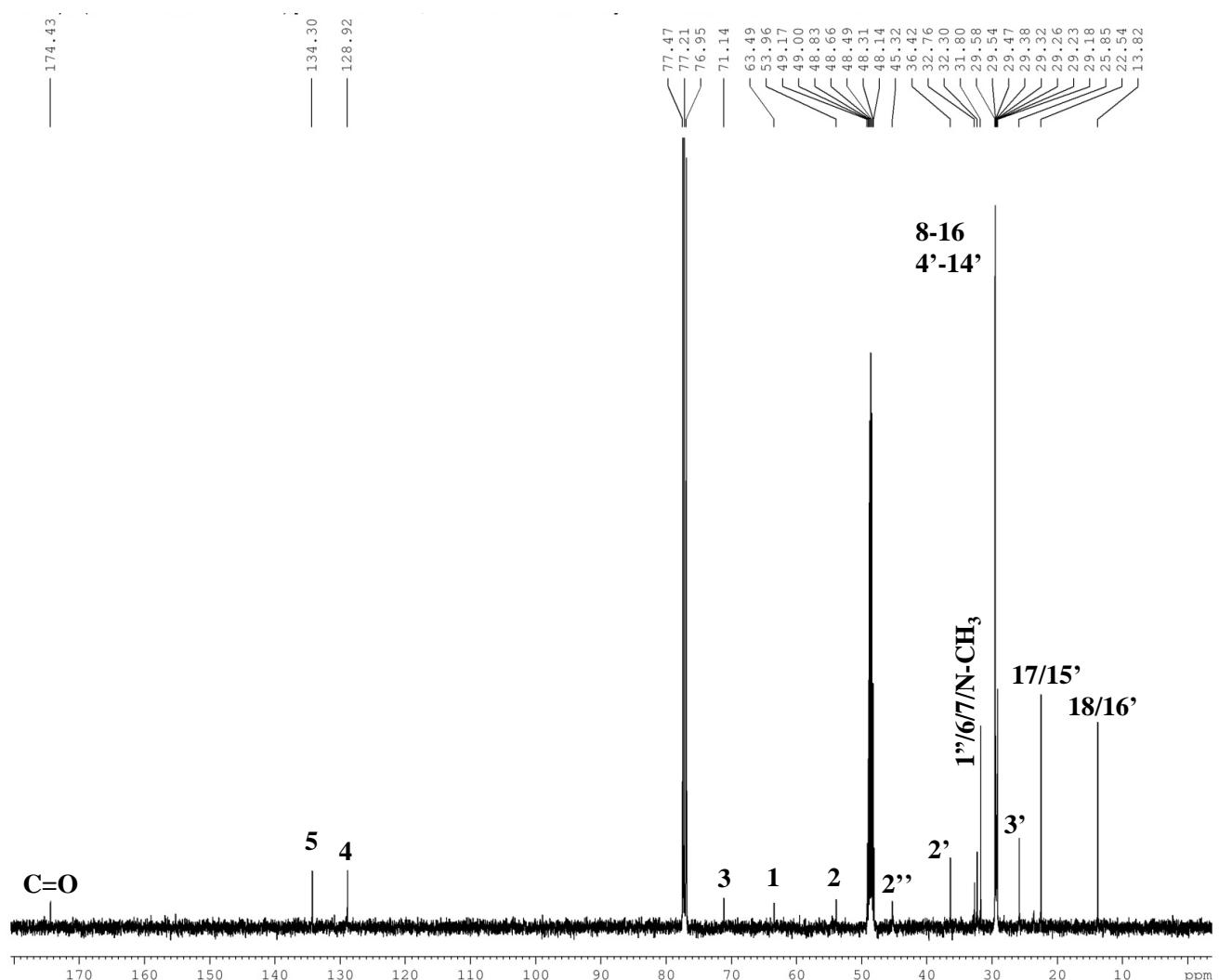
Figure S14. ^{13}C -NMR spectrum (125 MHz, 4:1 $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **2**.

Figure S15. ^1H - ^{13}C -HSQC spectrum (500 \times 125 MHz, 4:1 $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **2**.

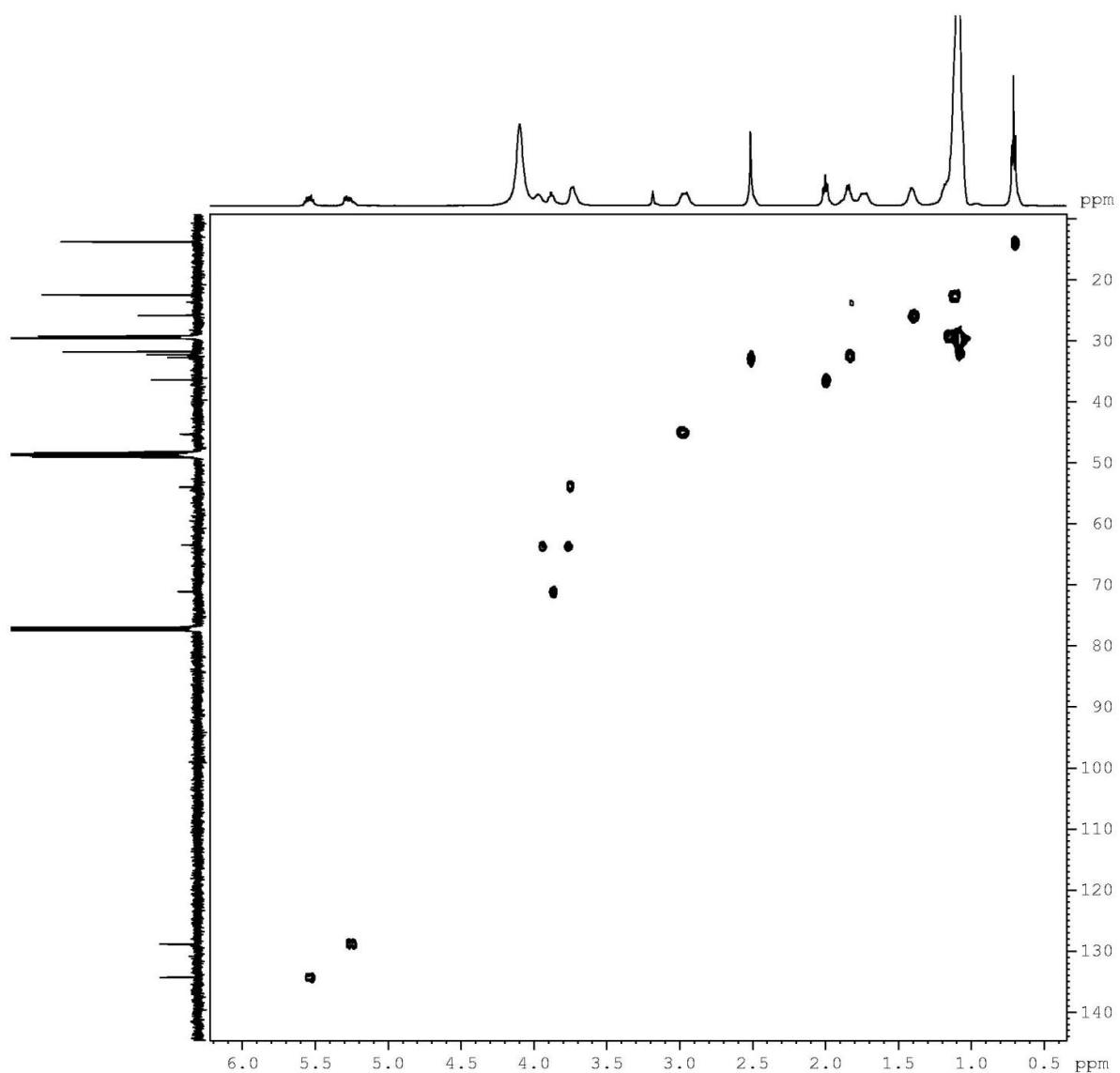


Figure S16. ^1H - ^{13}C -HMBC spectrum (500 \times 125 MHz, 4:1 $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **2**.

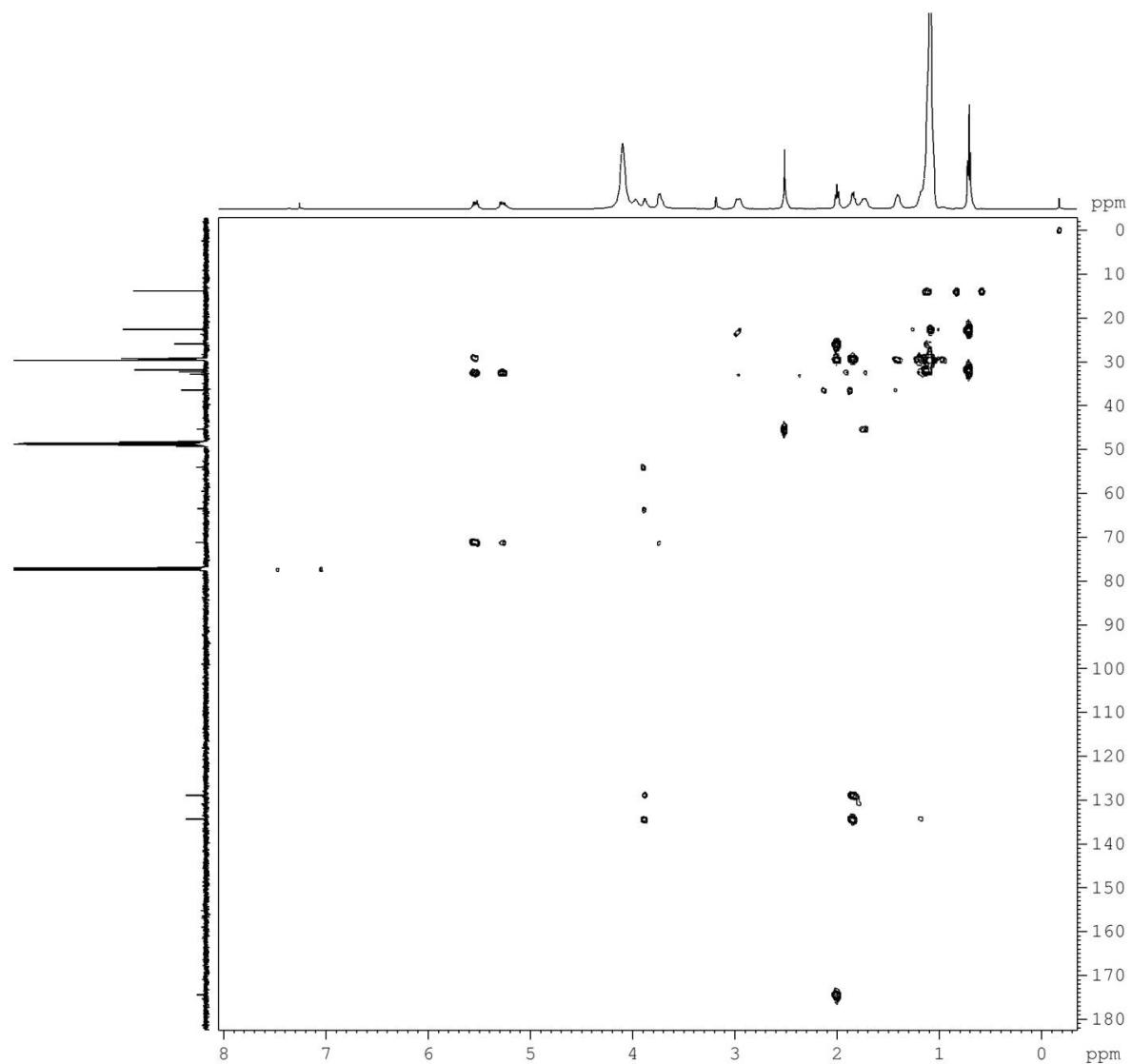


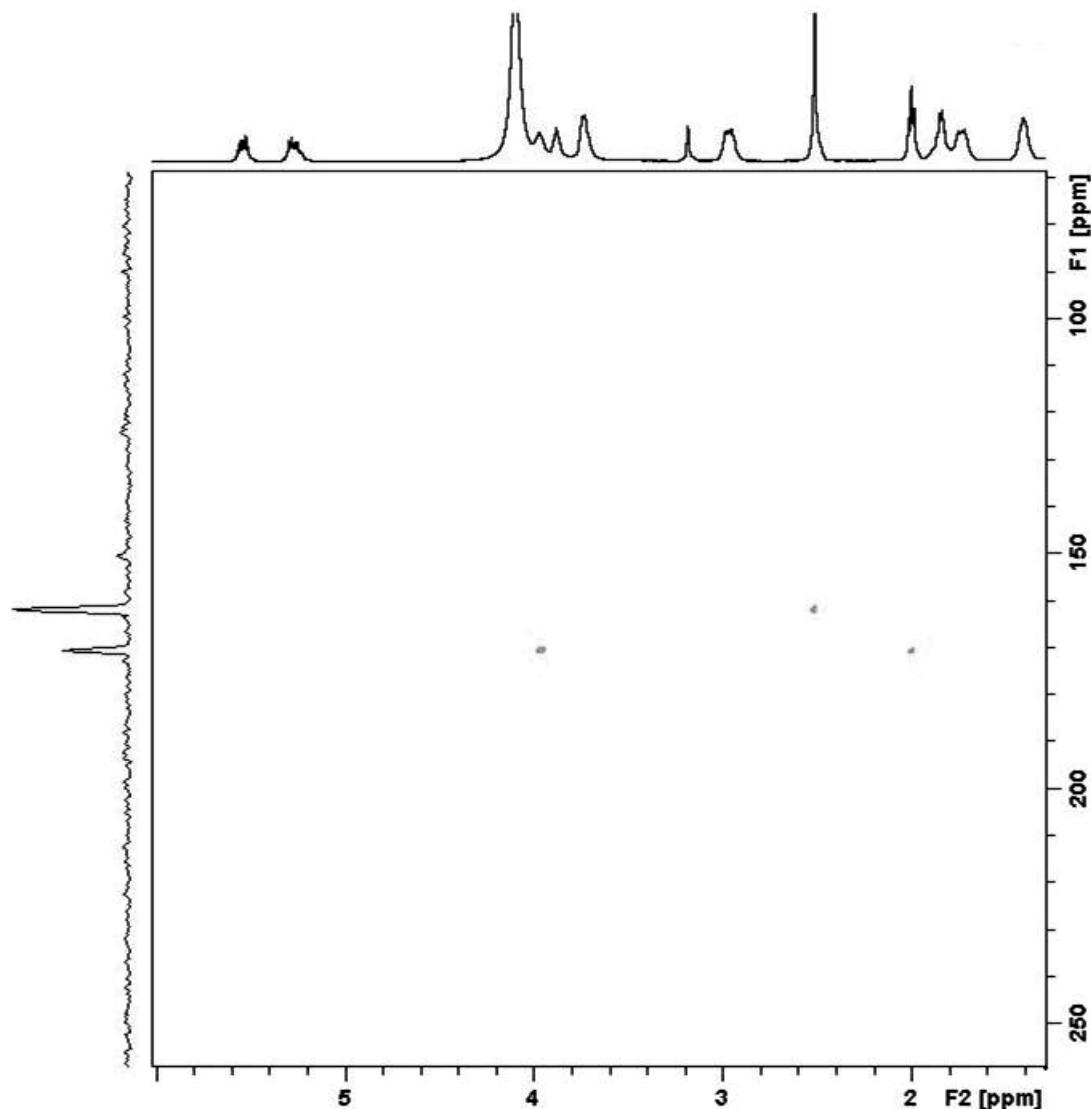
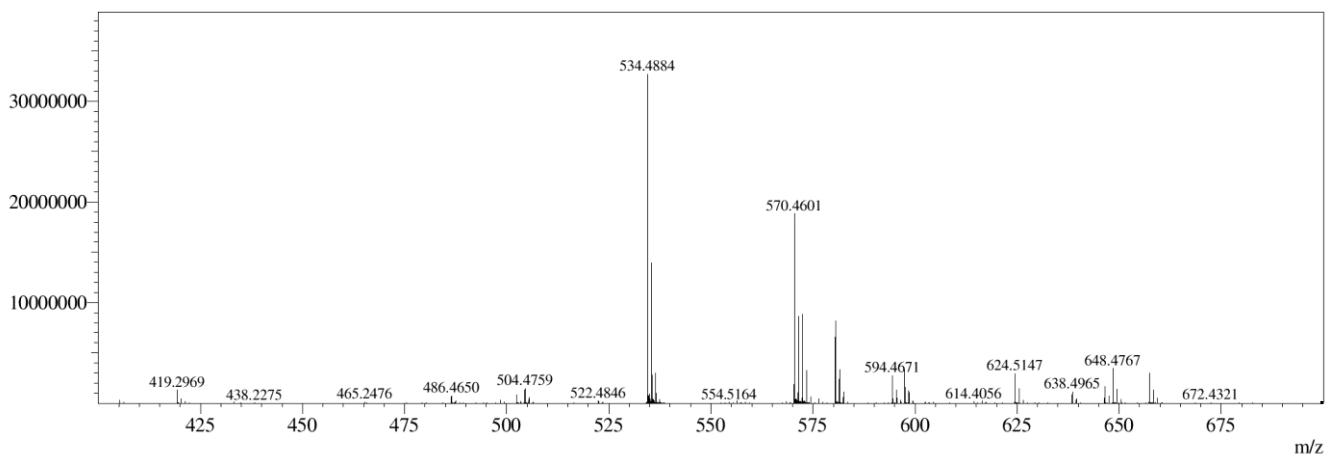
Figure S17. ^1H - ^{15}N -HMBC spectrum (500×50 MHz, 4:1 $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **2**.**Figure S18.** HR-ESI-MS spectrum of **3**.

Figure S19. ^1H -NMR spectrum (500 MHz, pyridine- d_5) of 3.

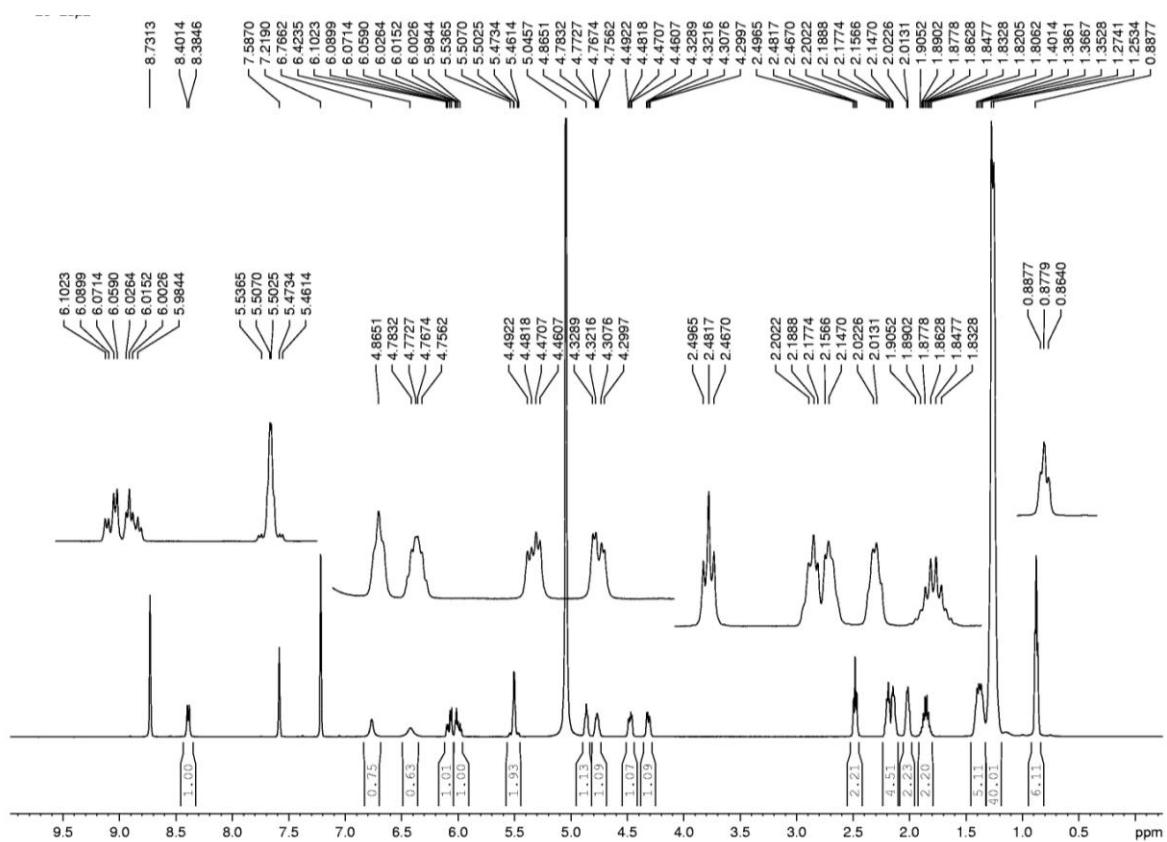


Figure S20. ^{13}C -NMR spectrum (125 MHz, pyridine- d_5) of **3**.

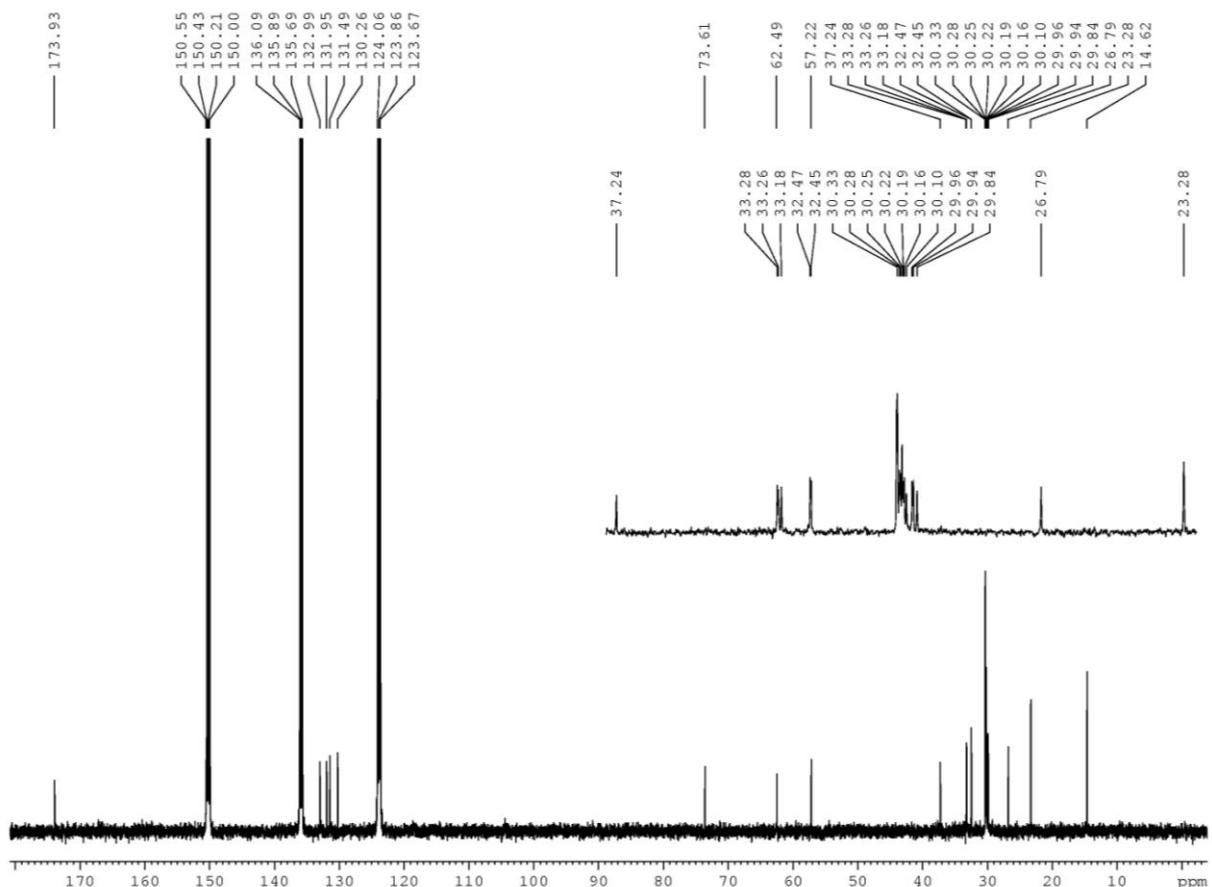


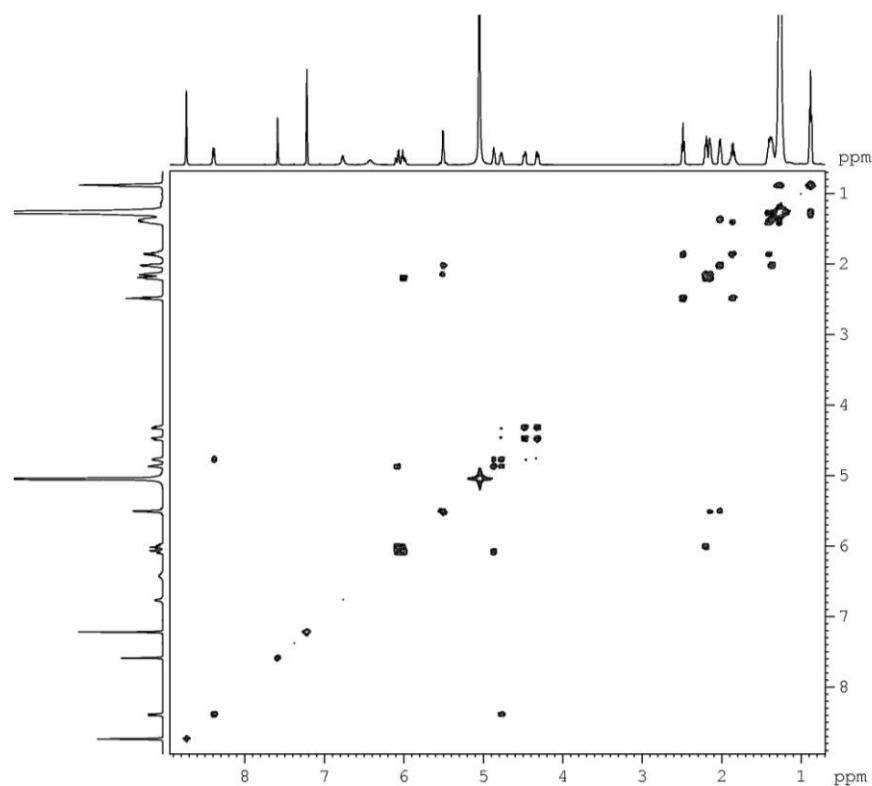
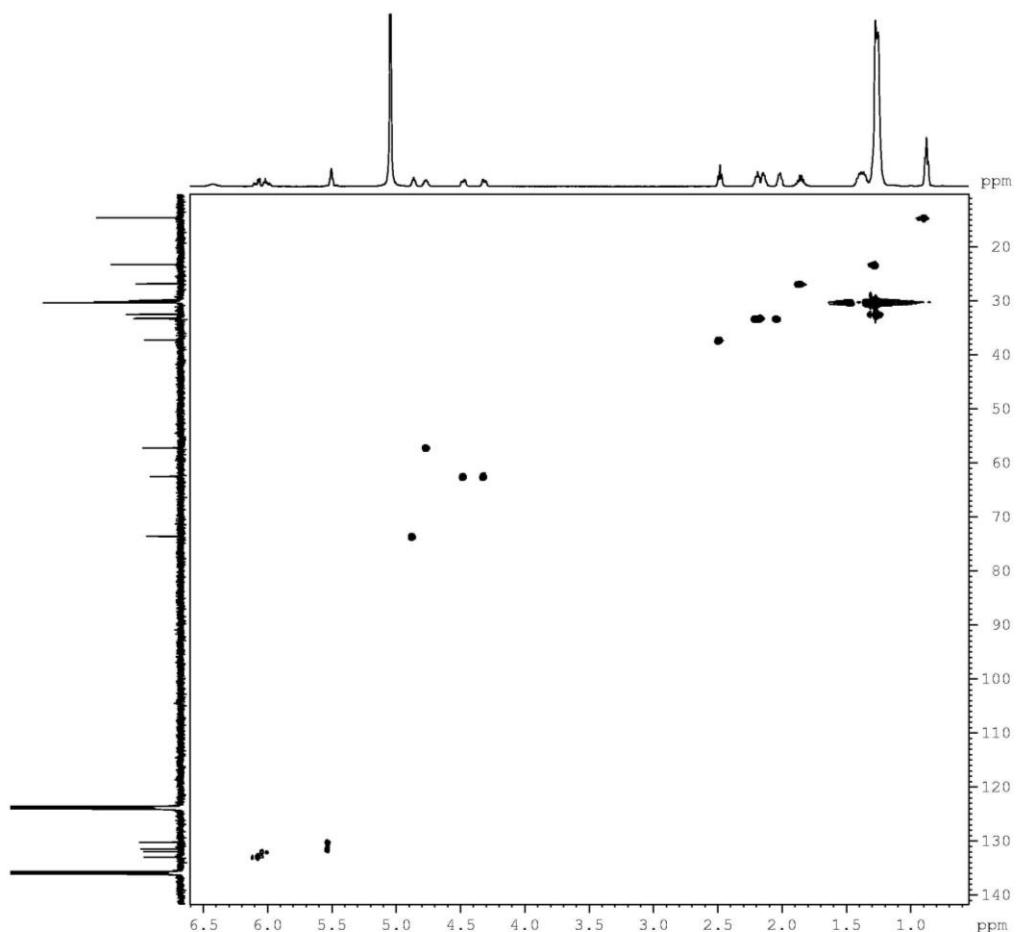
Figure S21. ^1H - ^1H -COSY spectrum (500×500 MHz, pyridine- d_5) of **3**.**Figure S22.** ^1H - ^{13}C -HSQC spectrum (500×125 MHz, pyridine- d_5) of **3**.

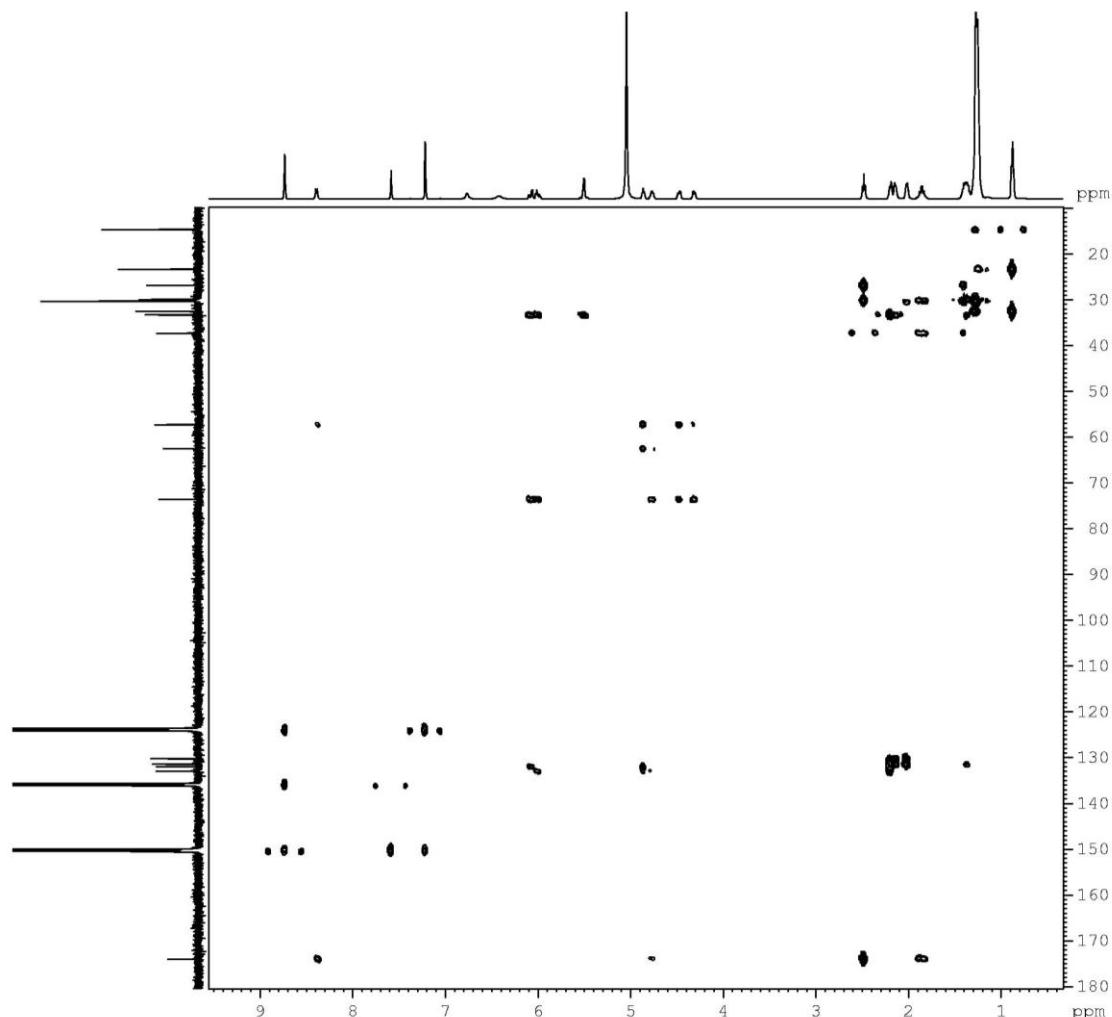
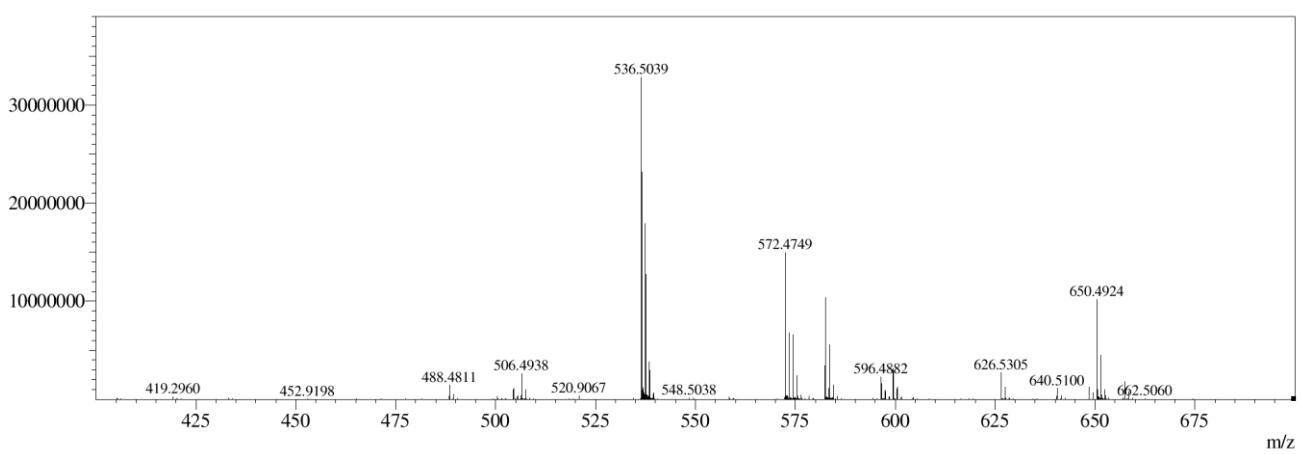
Figure S23. ^1H - ^{13}C -HMBC spectrum (500×125 MHz, pyridine- d_5) of **3**.**Figure S24.** HR-ESI-MS spectrum of **4**.

Figure S25. ^1H -NMR spectrum (500 MHz, pyridine- d_5) of **4**.

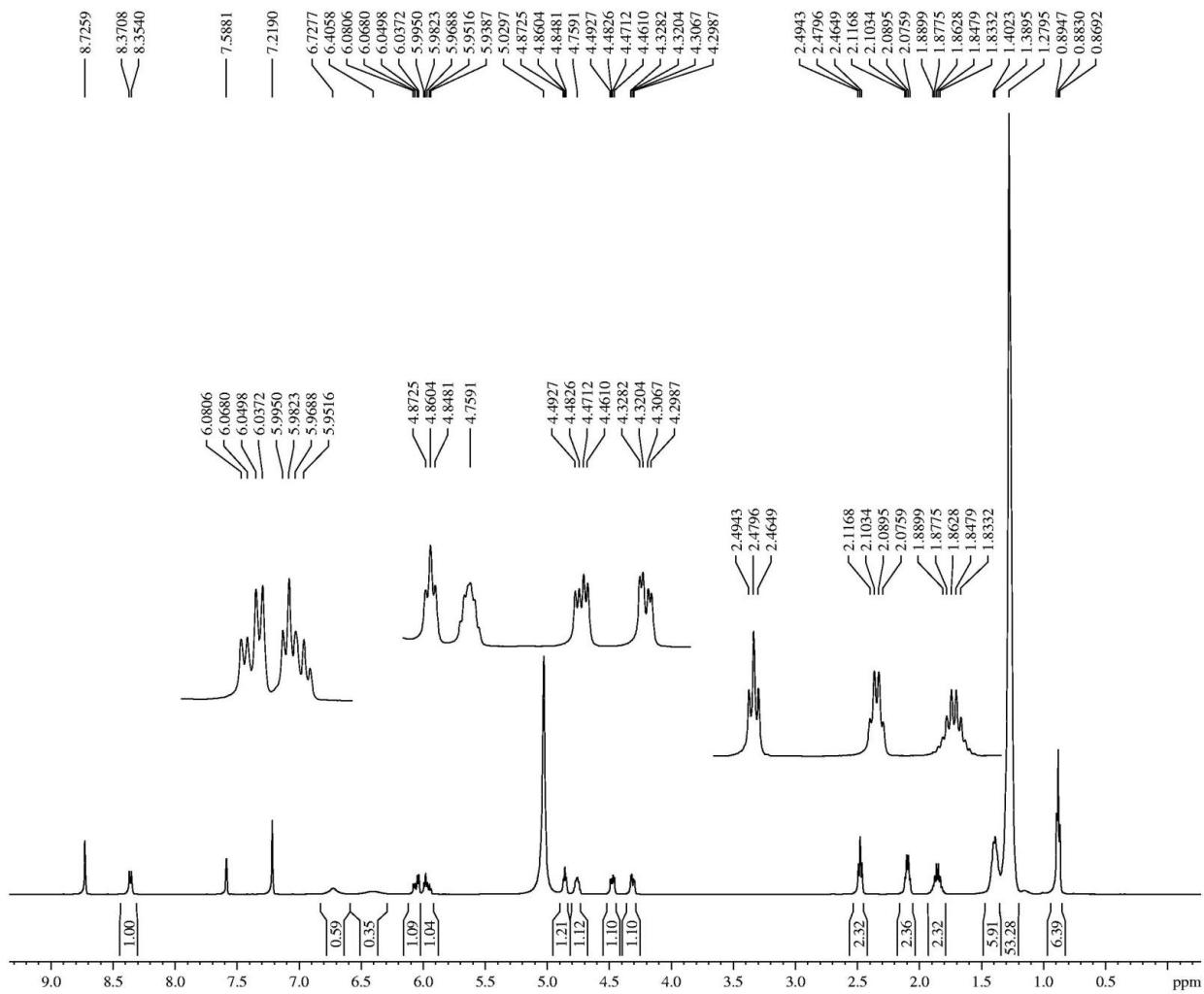


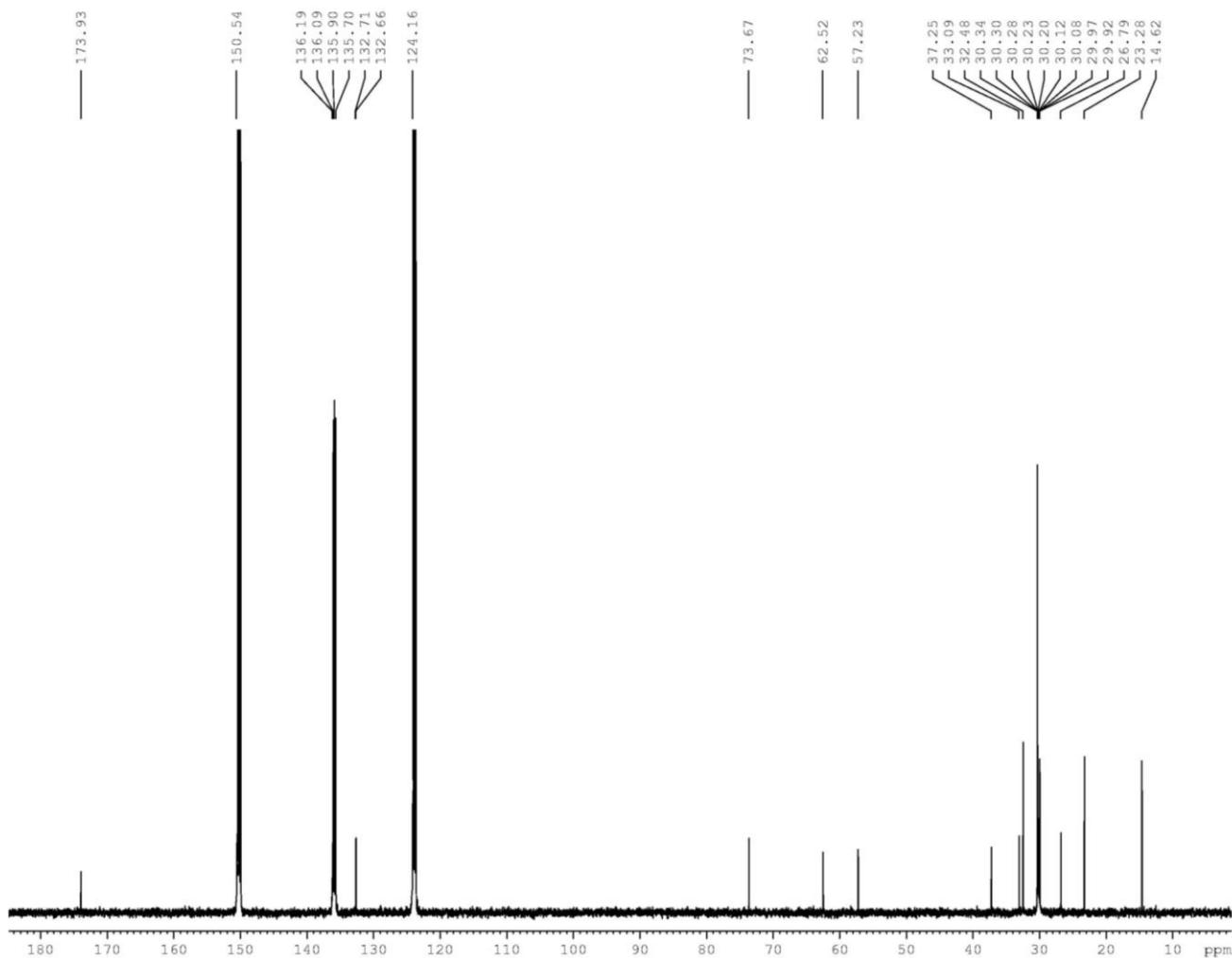
Figure S26. ^{13}C -NMR spectrum (125 MHz, pyridine- d_5) of **4**.

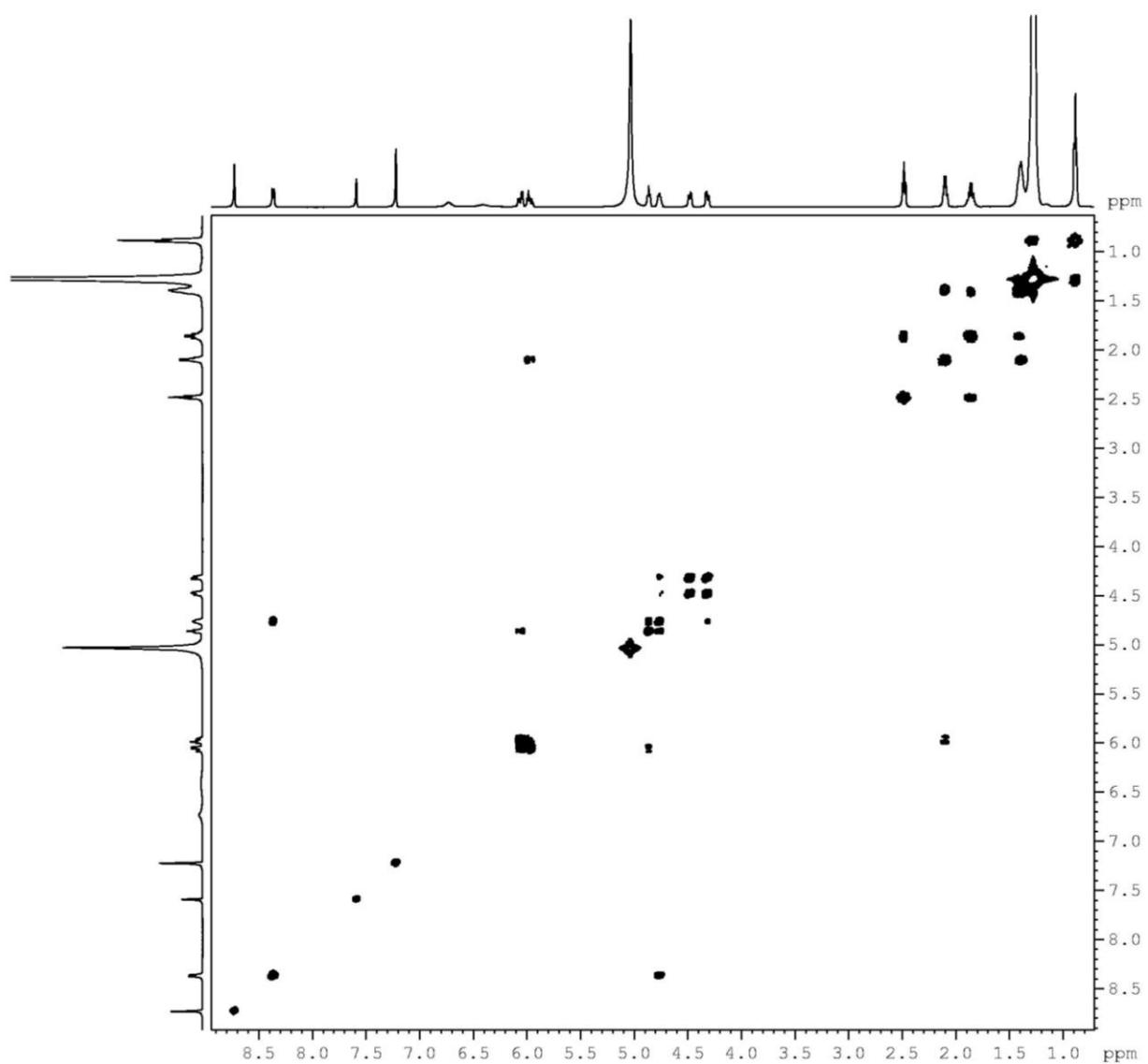
Figure S27. ^1H - ^1H -COSY spectrum (500×500 MHz, pyridine- d_5) of **4**.

Figure S28. ^1H - ^{13}C -HSQC spectrum (500×125 MHz, pyridine- d_5) of **4**.

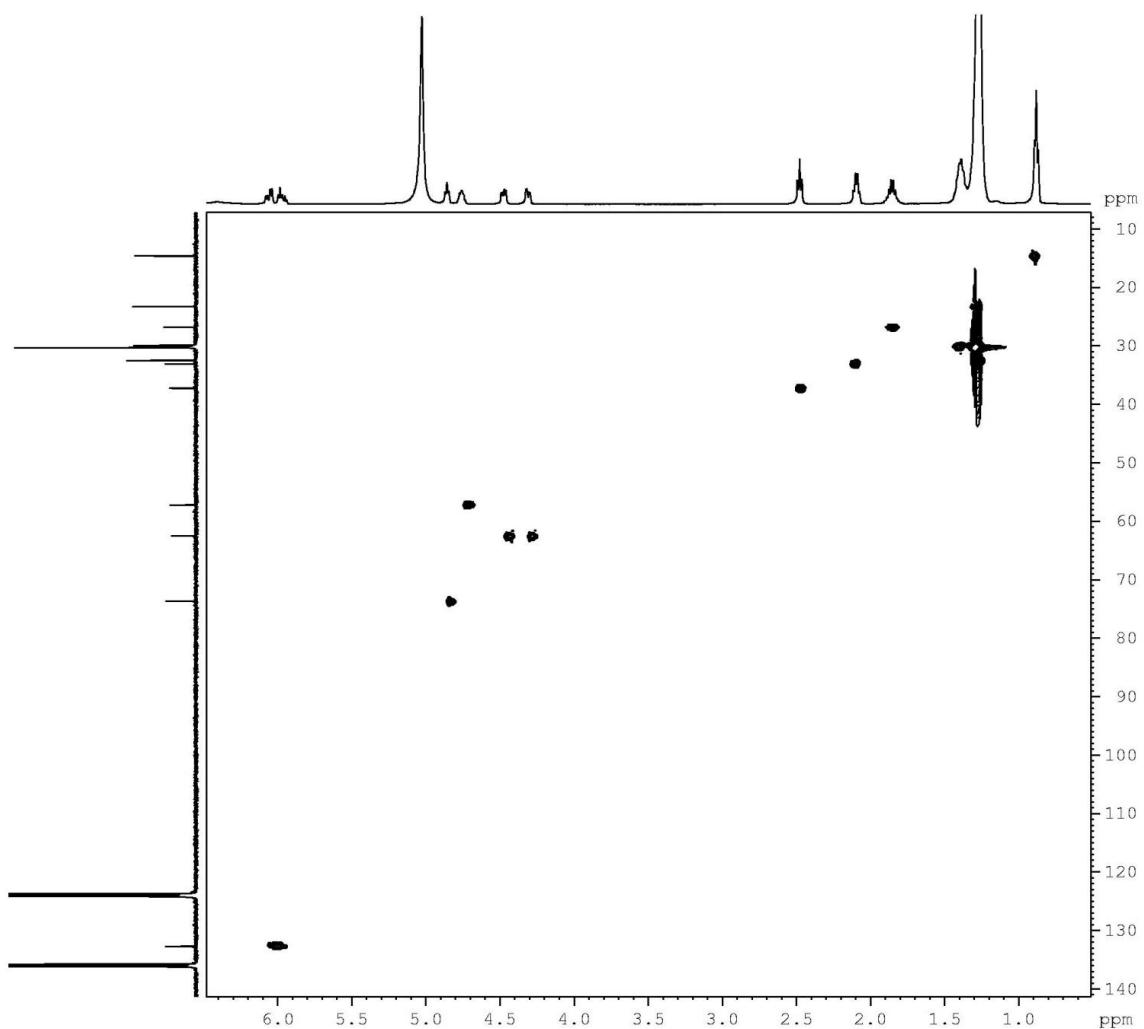


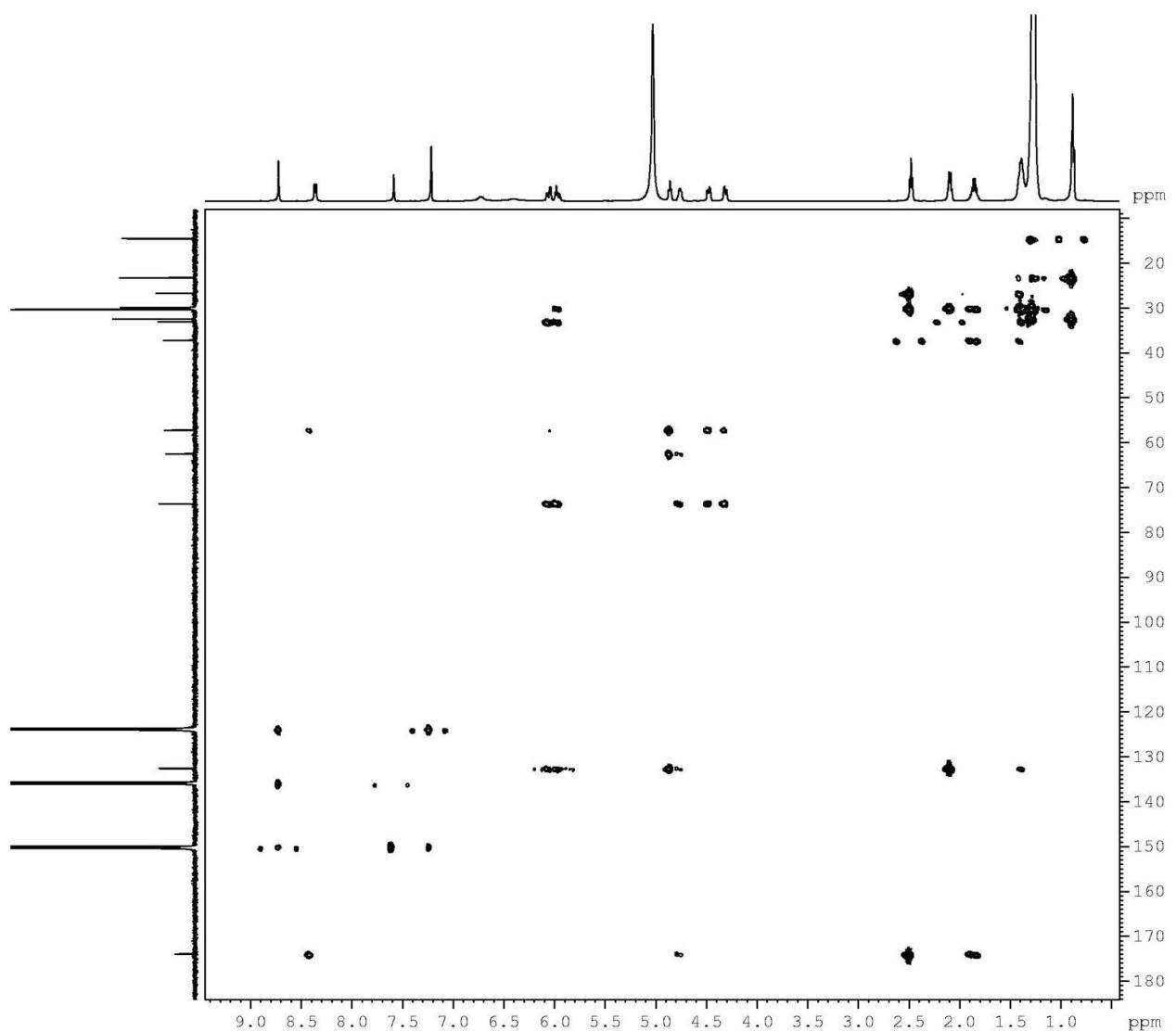
Figure S29. ^1H - ^{13}C -HMBC spectrum (500×125 MHz, pyridine- d_5) of **4**.

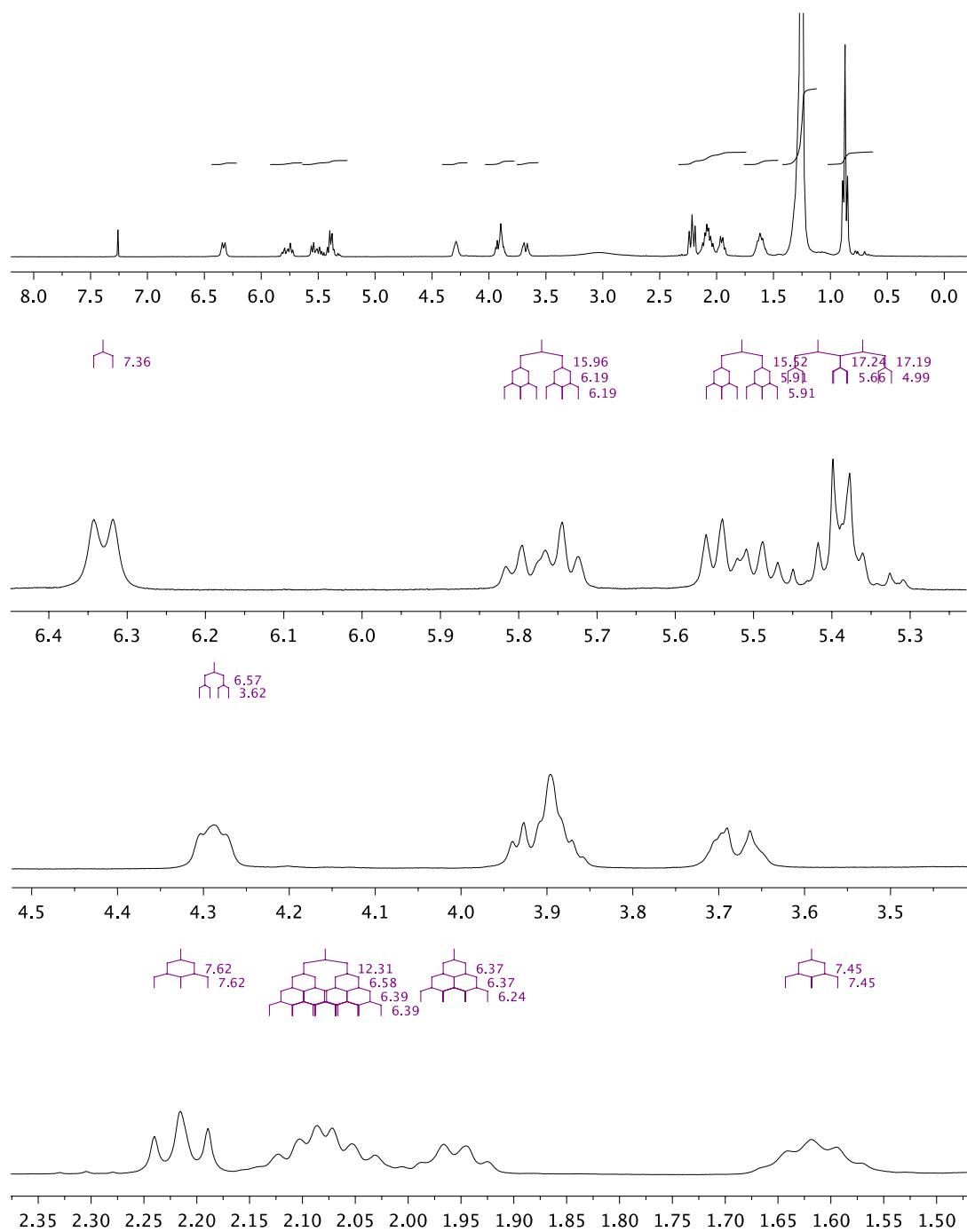
Figure S30. ^1H NMR spectrum (500 MHz, $\text{CDCl}_3/\text{CD}_3\text{OD}$) of **3**.

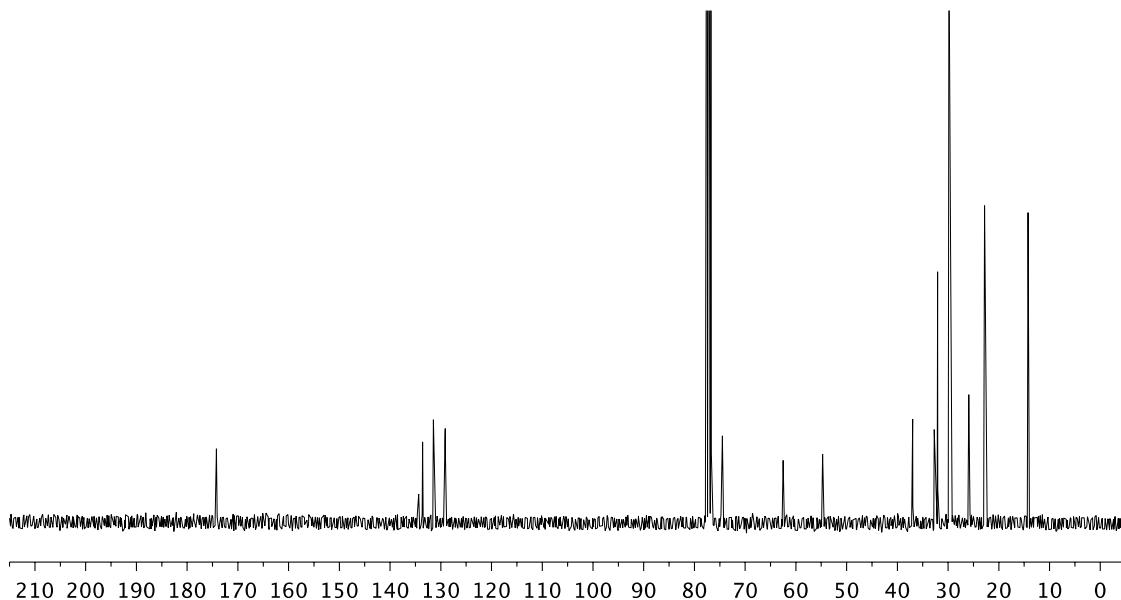
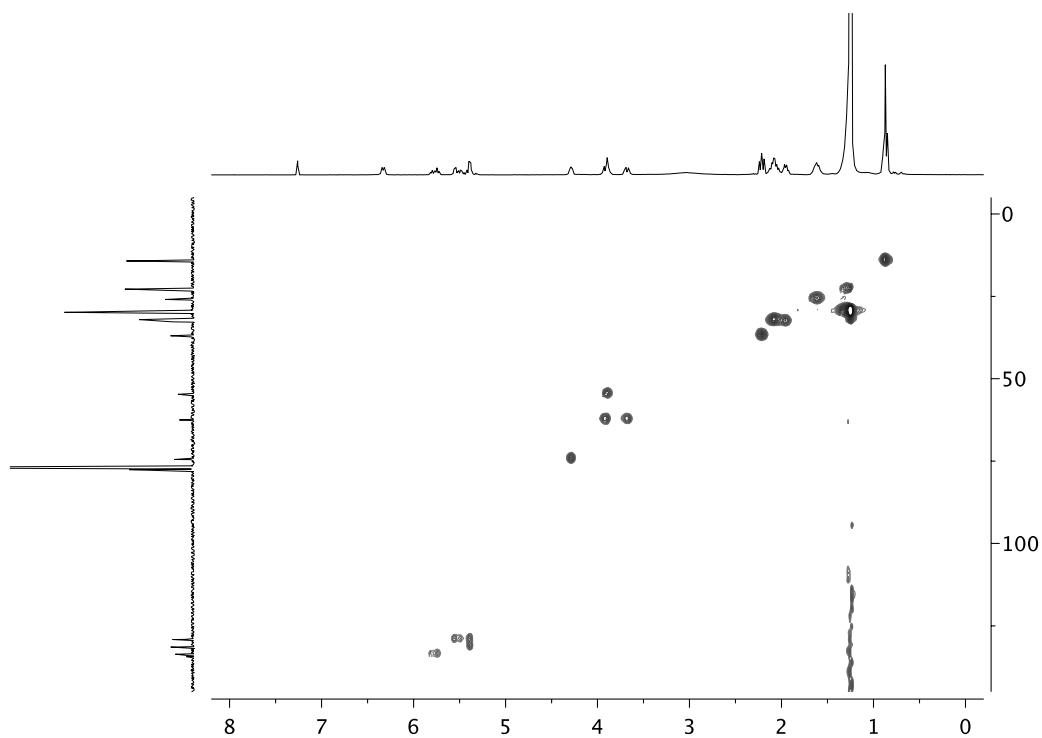
Figure S31. ^{13}C NMR spectrum (125 MHz, CDCl_3) of **3**.**Figure S32.** ^1H - ^{13}C HSQC spectrum (500×125 MHz, CDCl_3) of **3**.

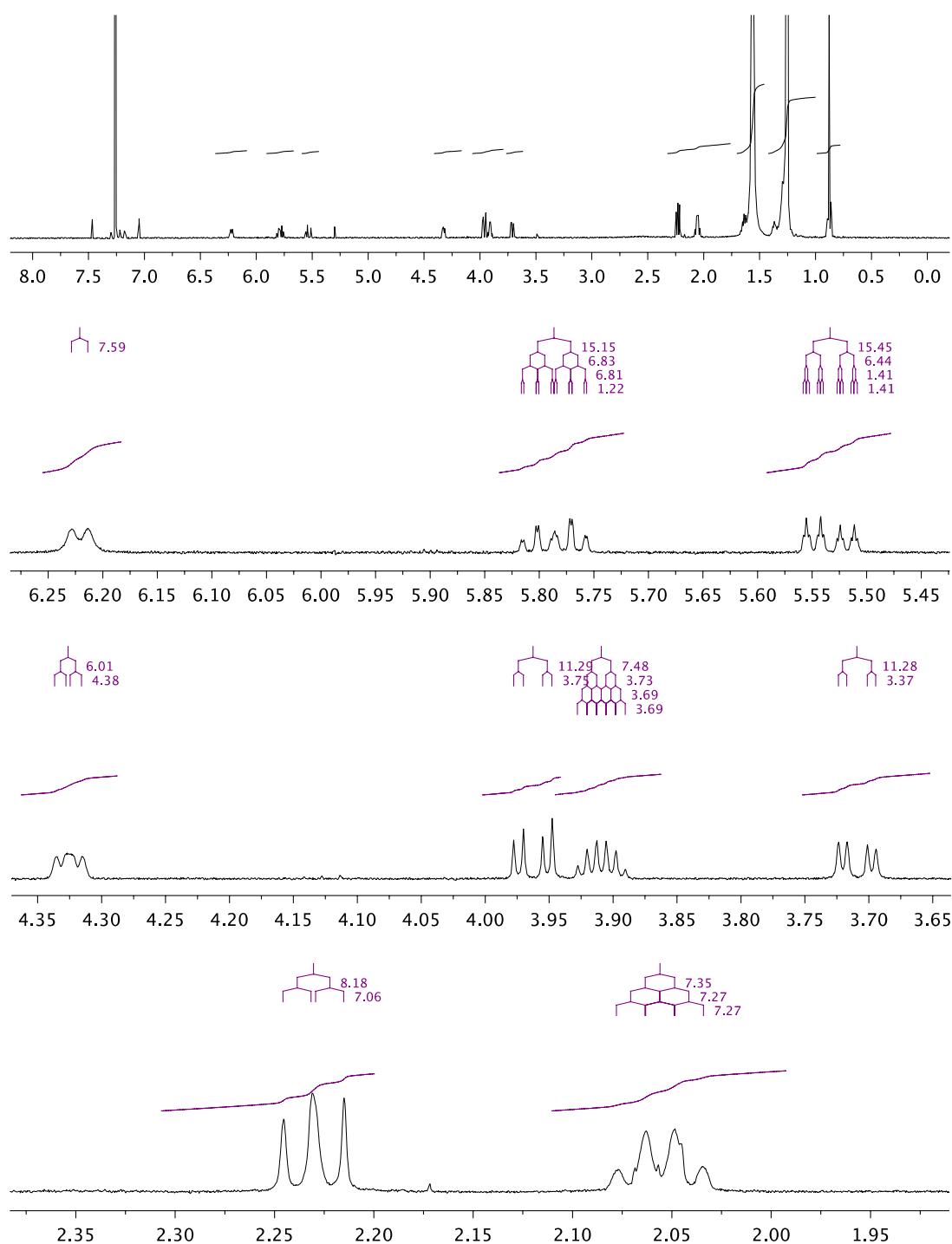
Figure S33. ^1H NMR spectrum (500 MHz, CDCl_3) of **4**.

Figure S34. ^{13}C NMR spectrum (125 MHz, CDCl_3) of **4**.