

Supporting Information

Ten-Membered Lactones from the Marine-Derived Fungus *Curvularia* sp.

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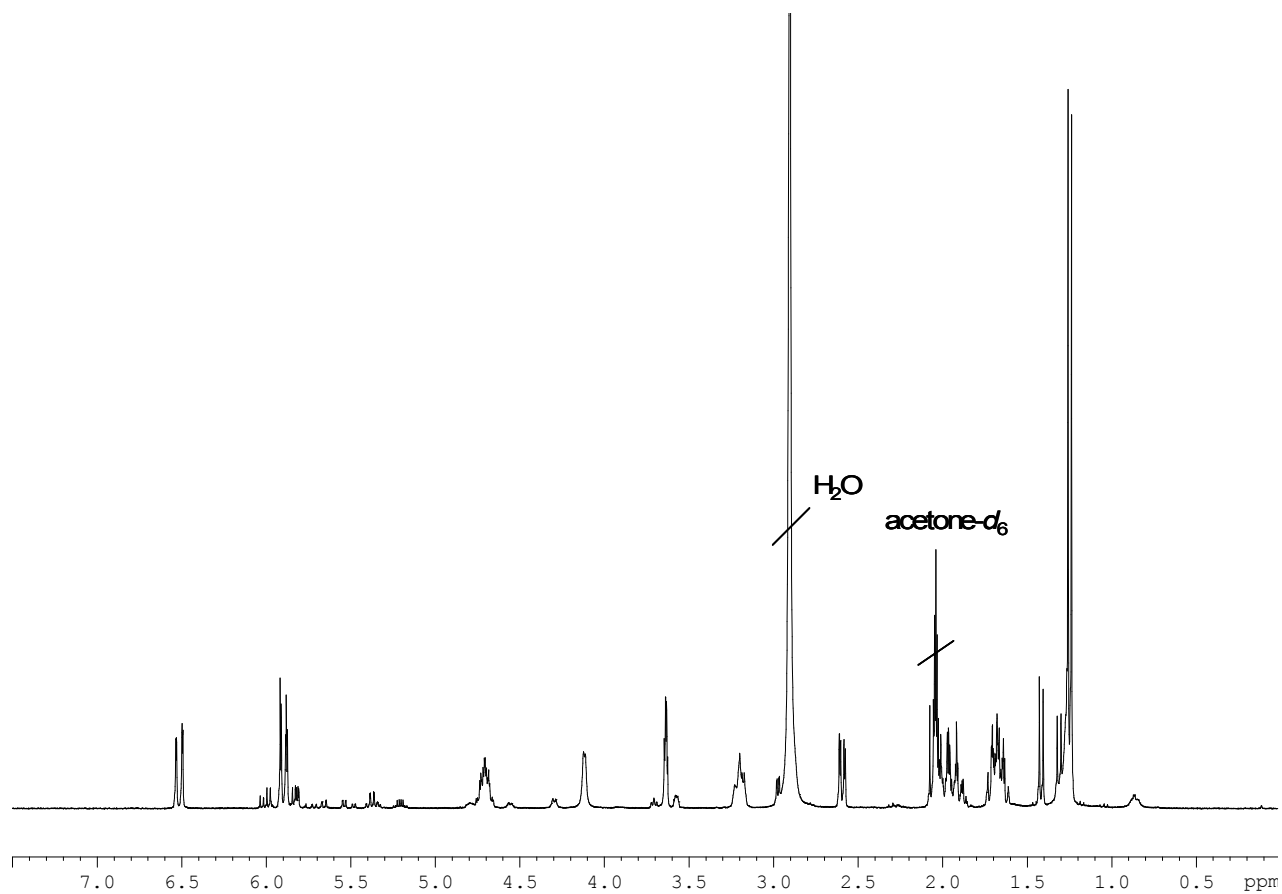
[‡] Marine Laboratory, University of Guam.

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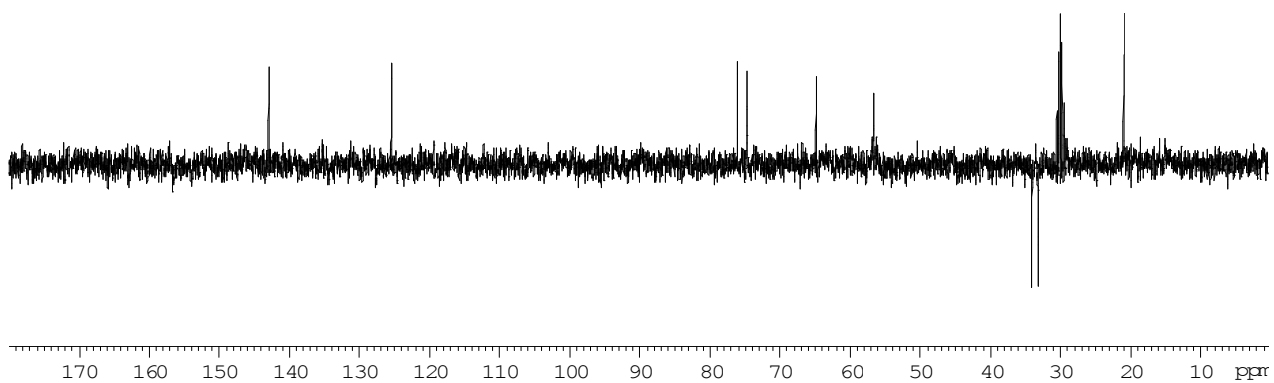
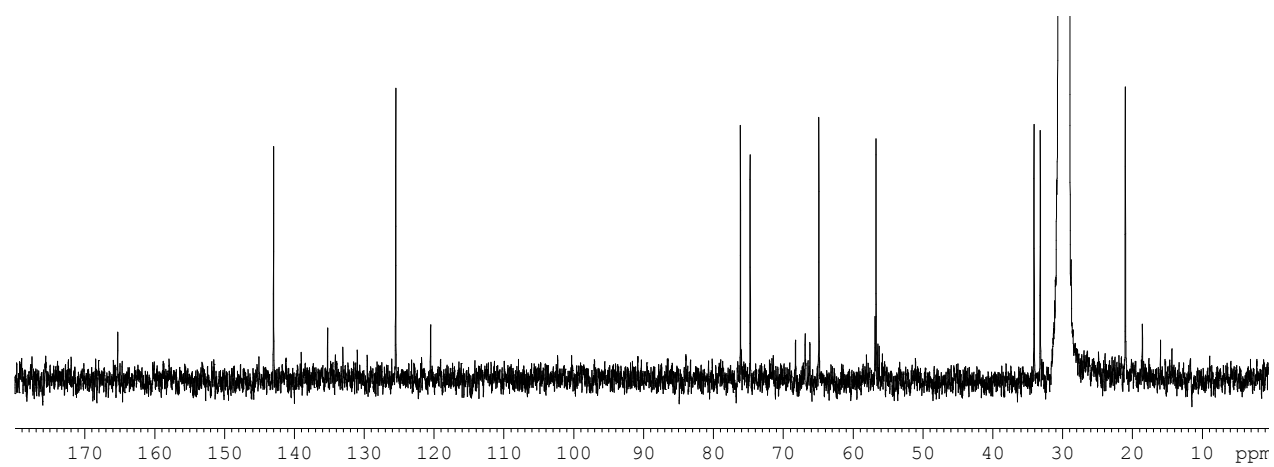
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1. 1D and 2D NMR spectra of **1**

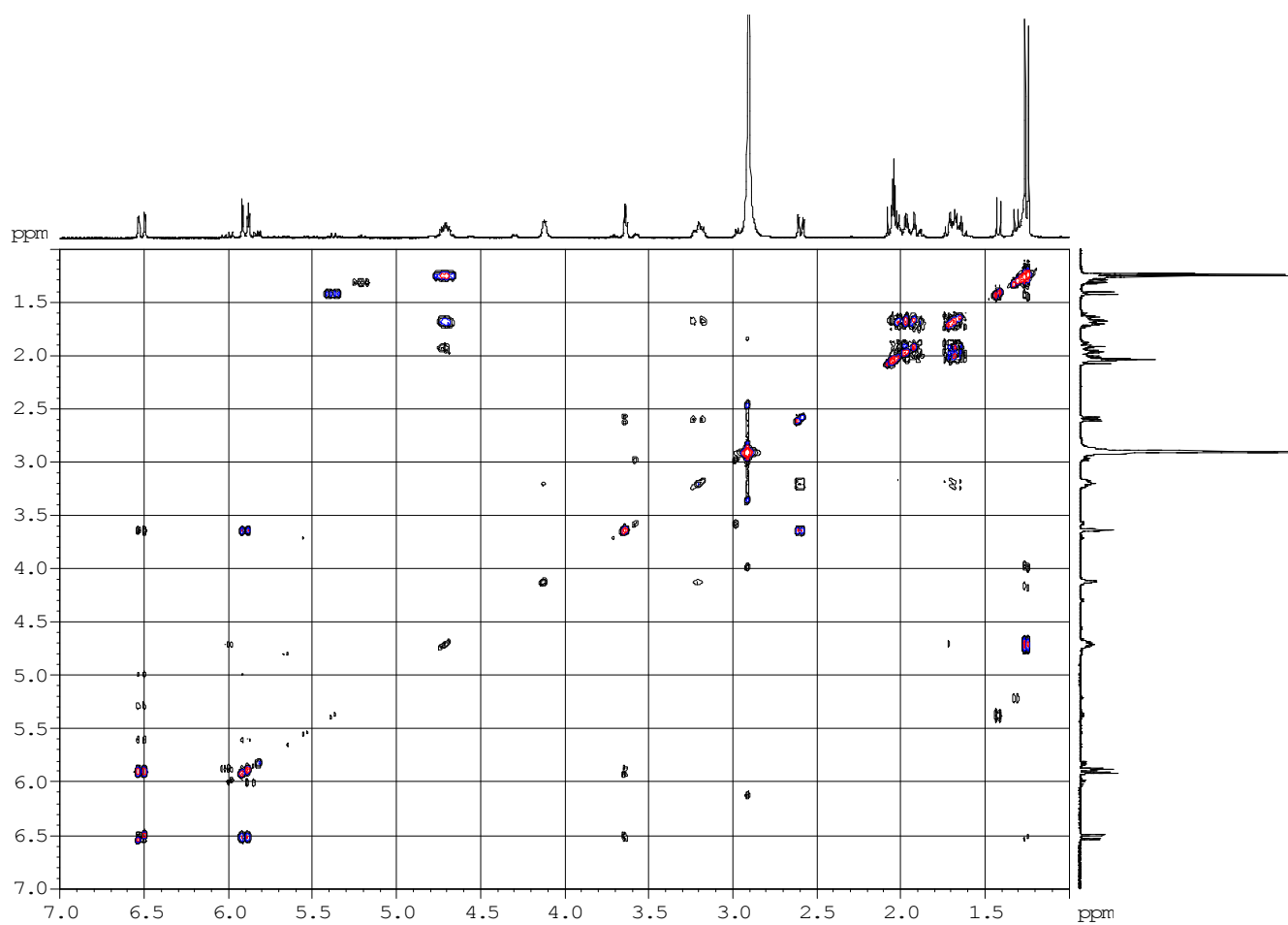
1.1. ^1H NMR spectrum of **1** in $[\text{D}_6]\text{acetone}$ at 300 MHz



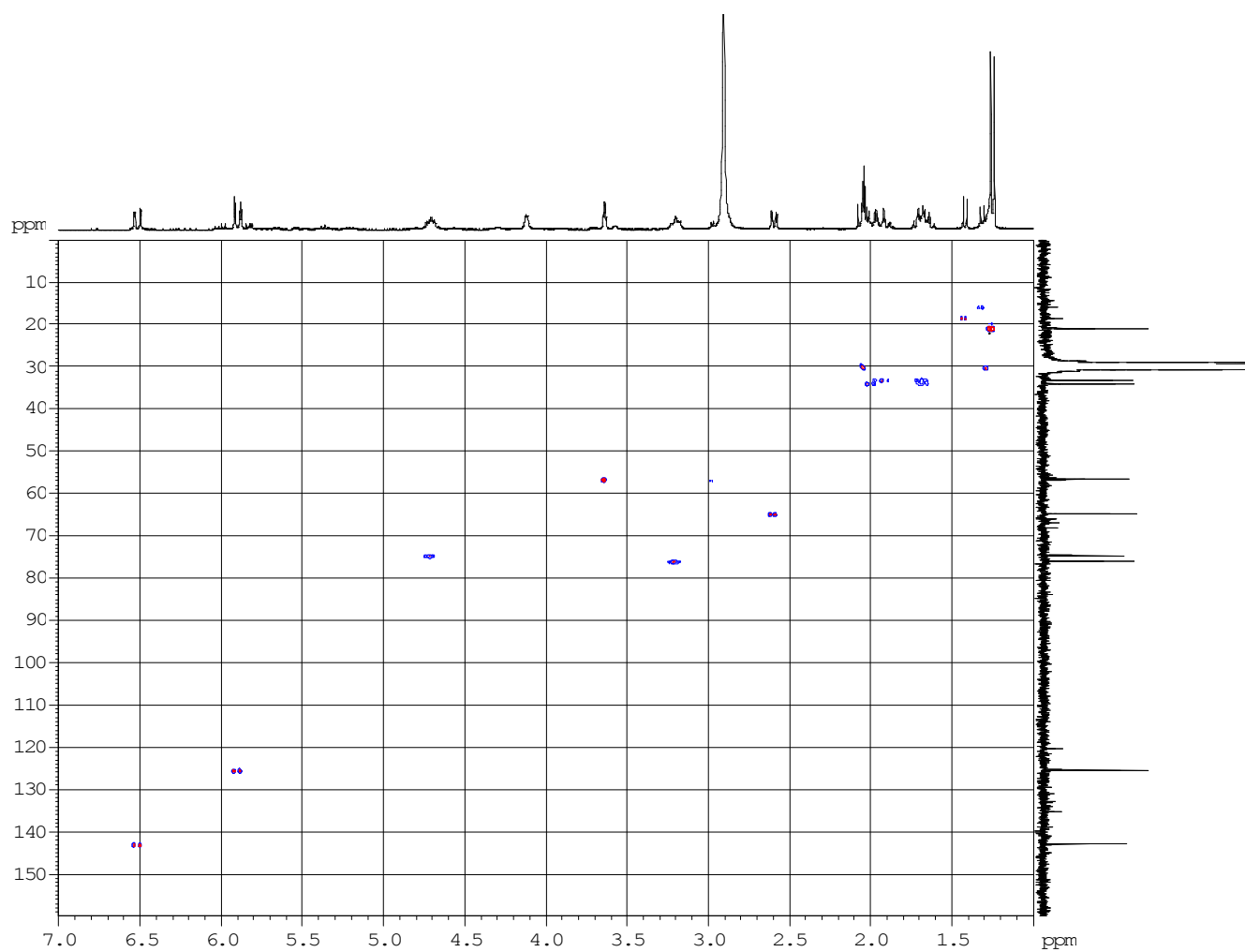
1.2. ^{13}C and DEPT135 NMR spectra of **1** in $[\text{D}_6]$ acetone at 75 MHz



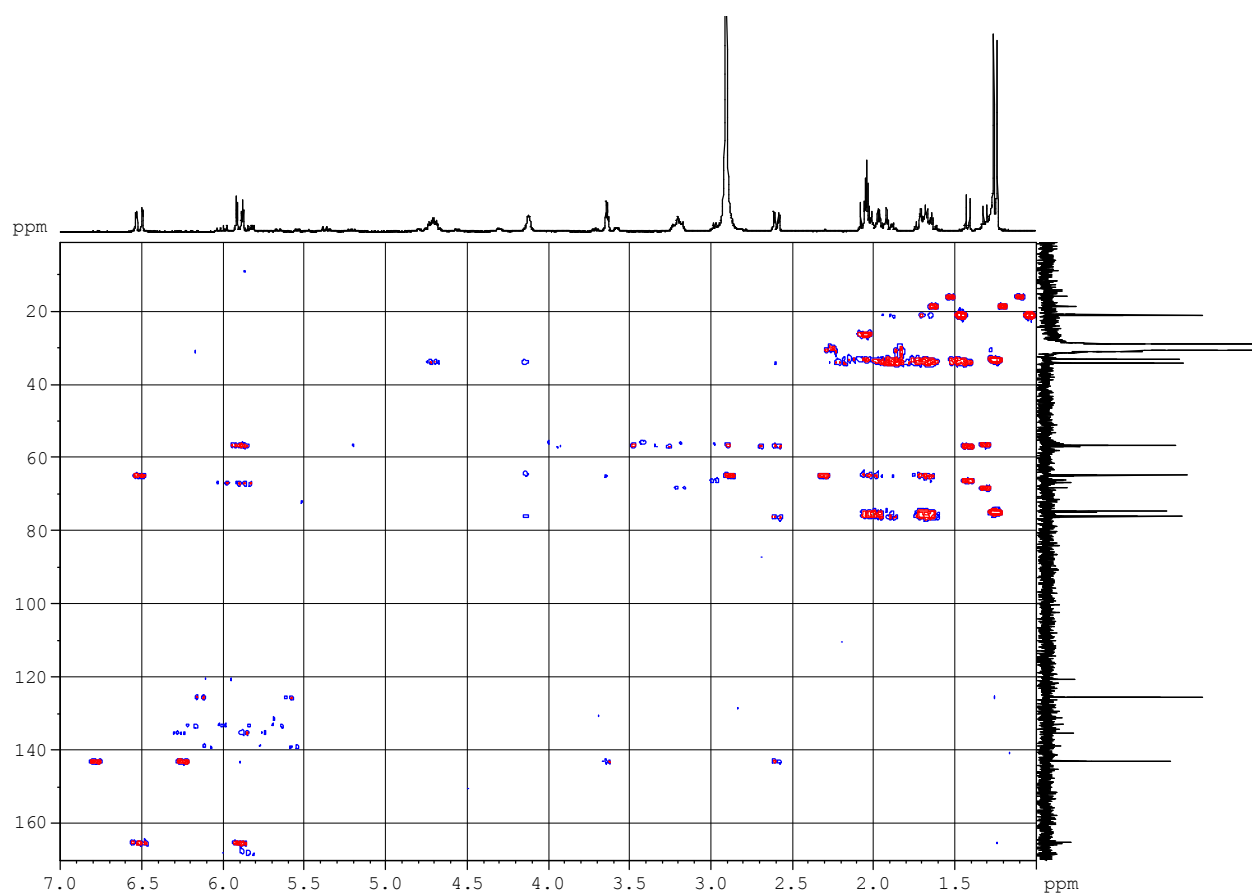
1.3. ^1H - ^1H COSY NMR spectrum of **1** in $[\text{D}_6]\text{acetone}$ at 300 MHz



1.4. HSQC (one bond) NMR spectrum of **1** in [D₆]acetone at 300 MHz

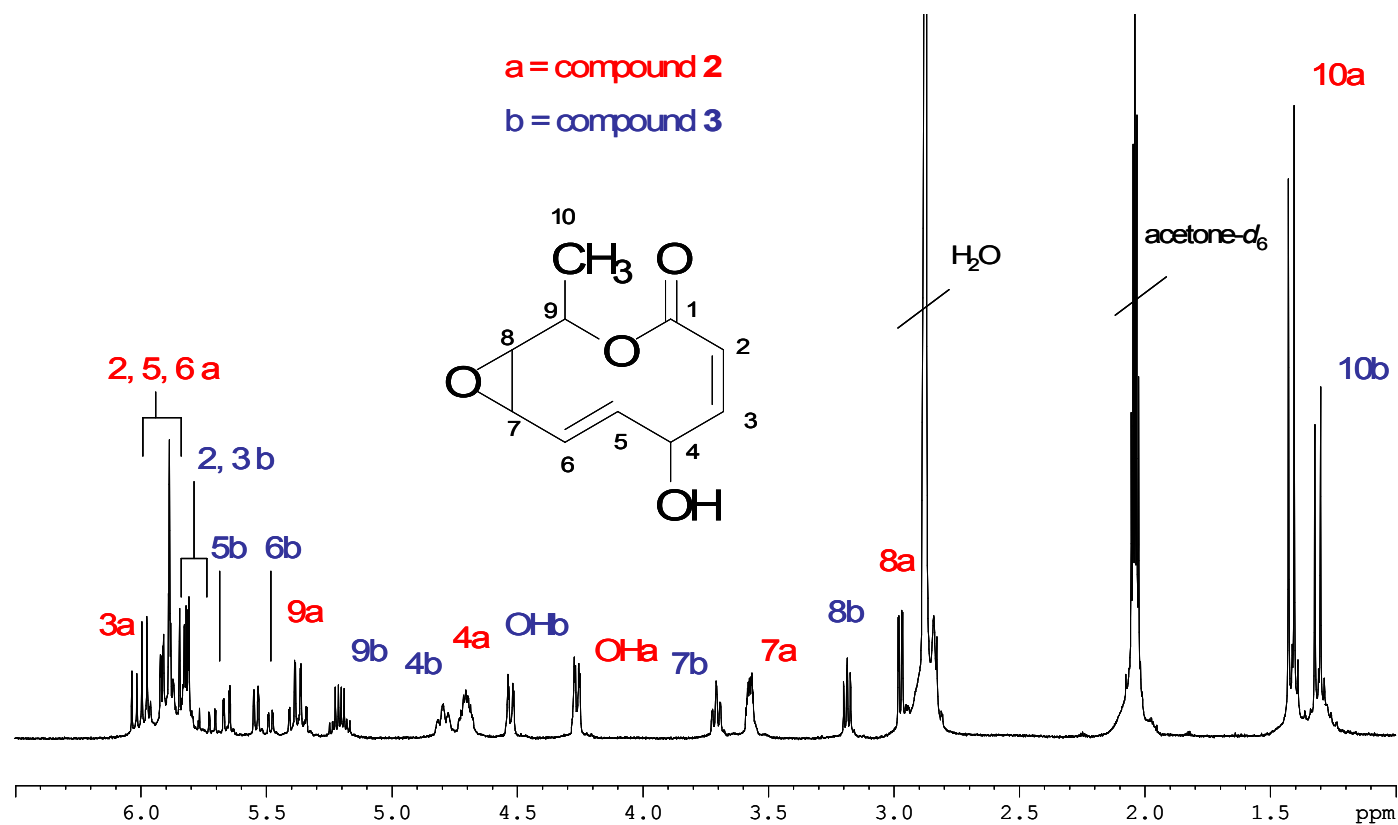
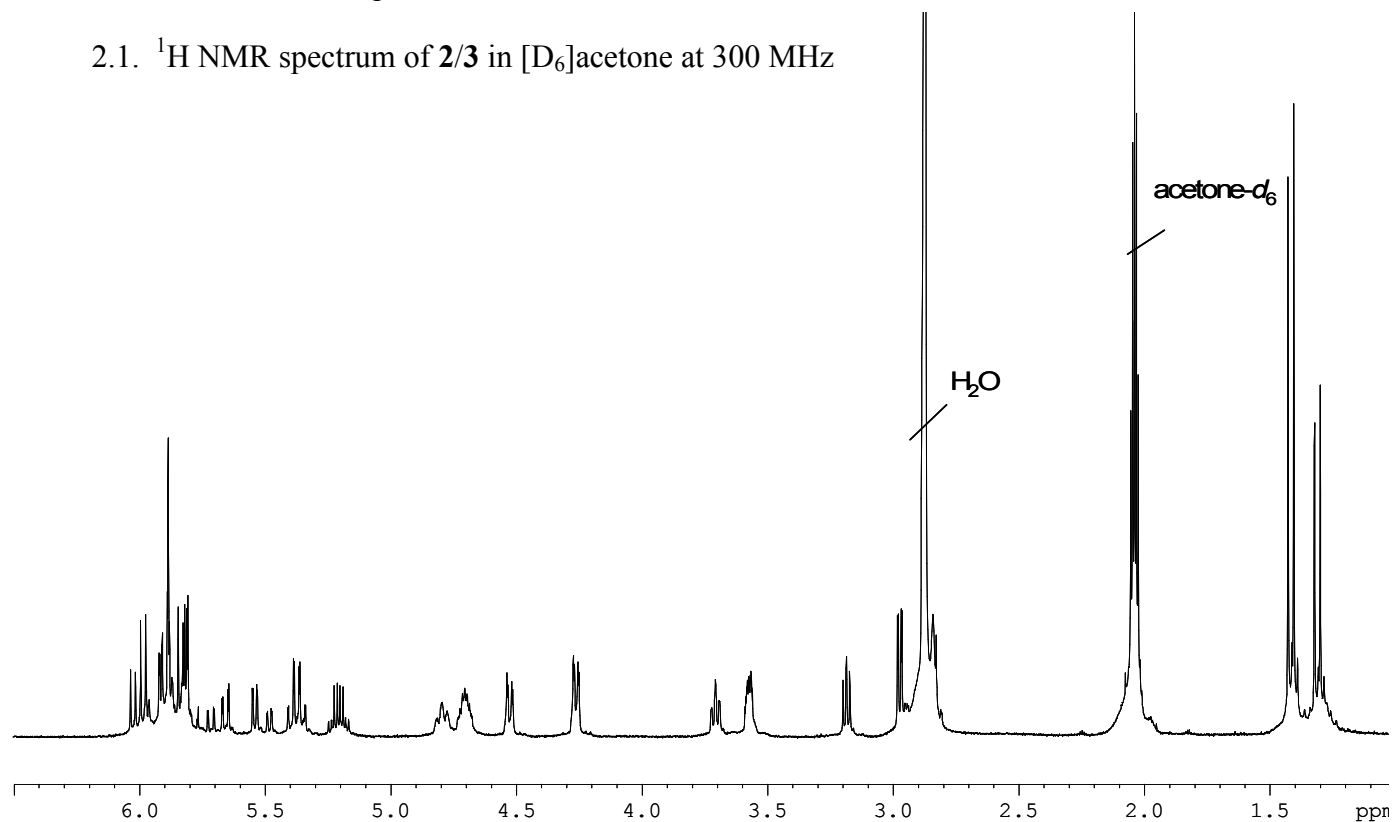


1.5. HMBC (multiple bond) NMR spectrum of **1** in [D₆]acetone at 300 MHz



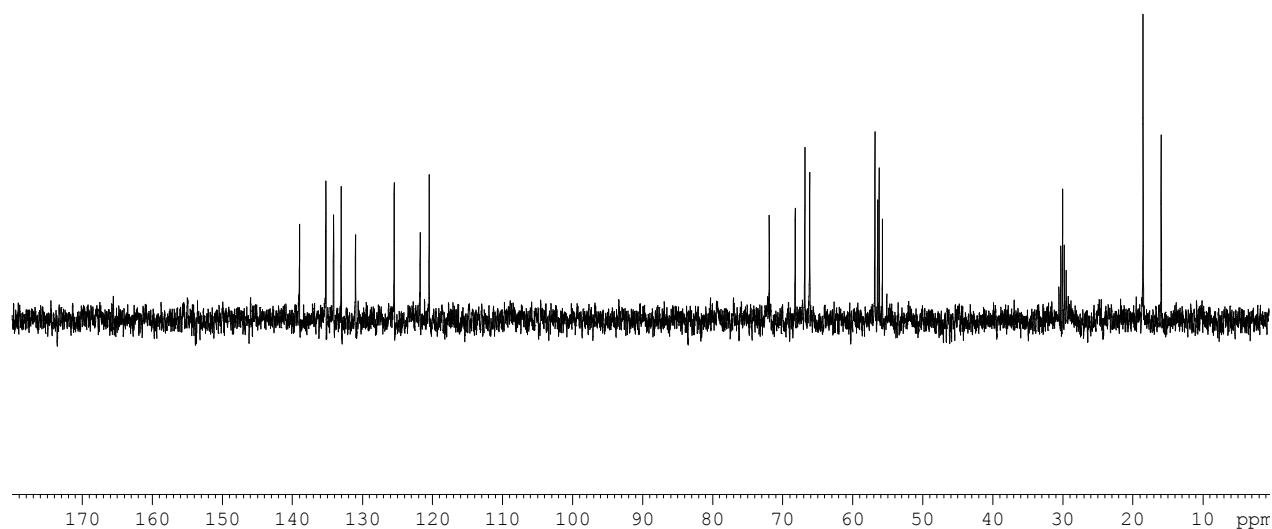
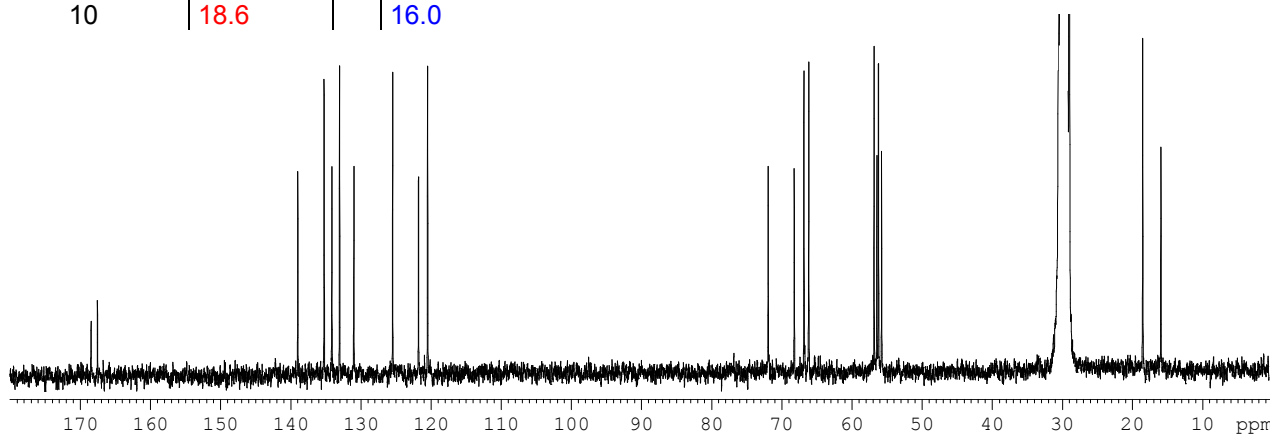
2. 1D and 2D NMR spectra of the mixture of **2** and **3**

2.1. ^1H NMR spectrum of **2/3** in $[\text{D}_6]\text{acetone}$ at 300 MHz

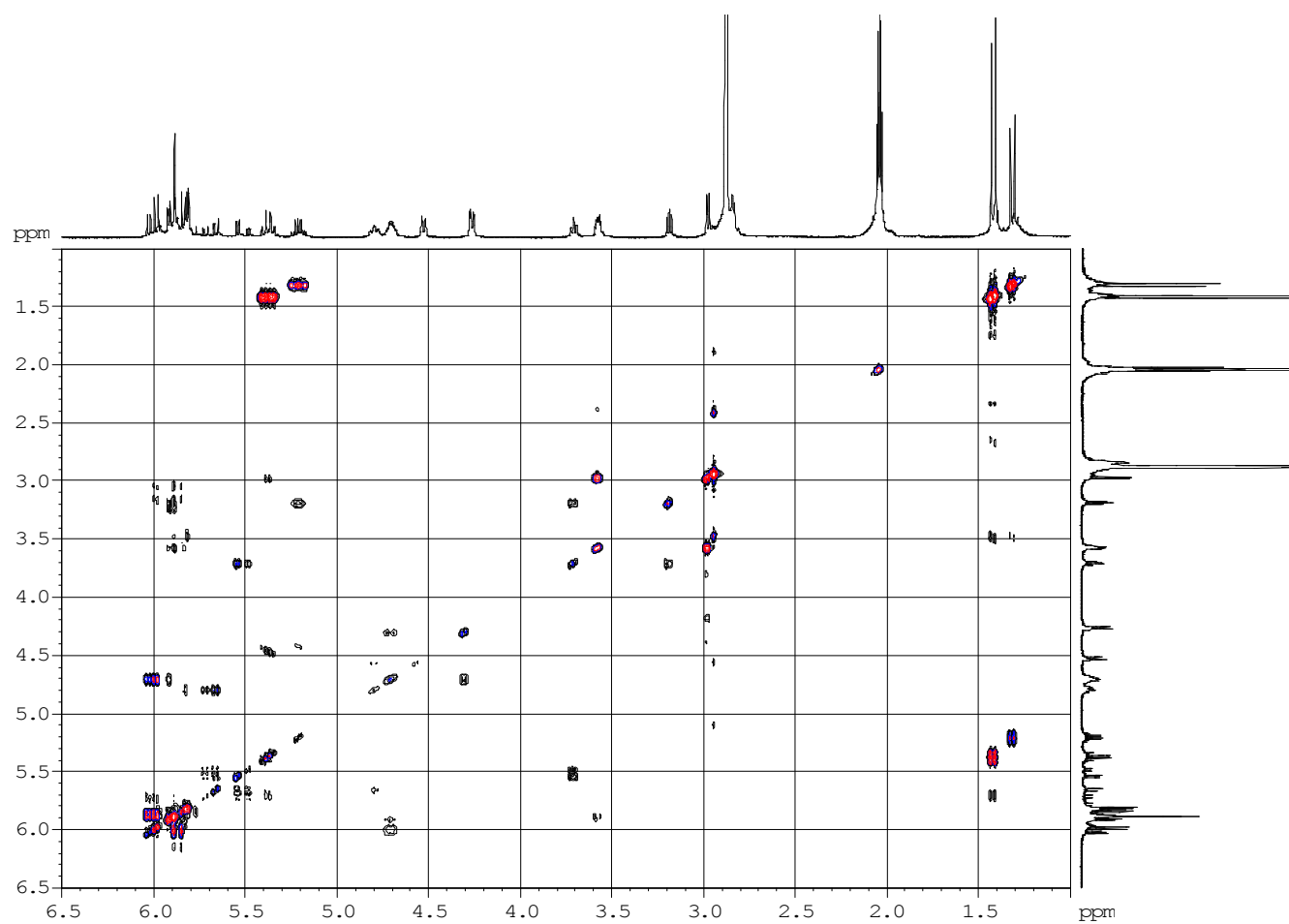


2.2. ^{13}C and DEPT135 NMR spectra of **2/3** in $[\text{D}_6]\text{acetone}$ at 75 MHz

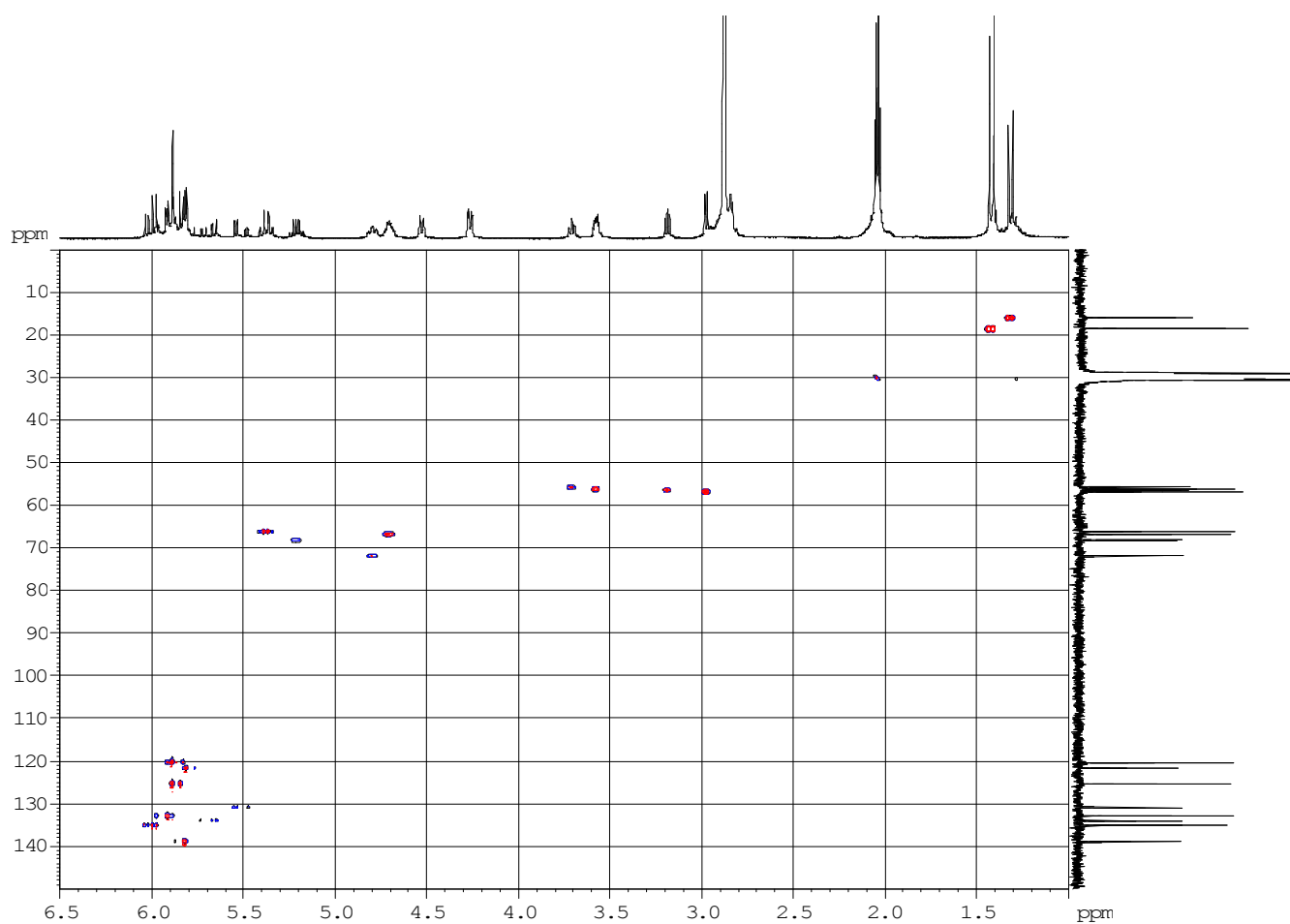
position	^{13}C (δ , ppm)	^{13}C (δ , ppm)
	comp. 2	comp. 3
1	167.5	168.5
2	125.5	121.8
3	135.2	139.0
4	66.8	71.9
5	133.0	134.1
6	120.5	131.0
7	56.2	55.8
8	56.8	56.5
9	66.2	68.2
10	18.6	16.0



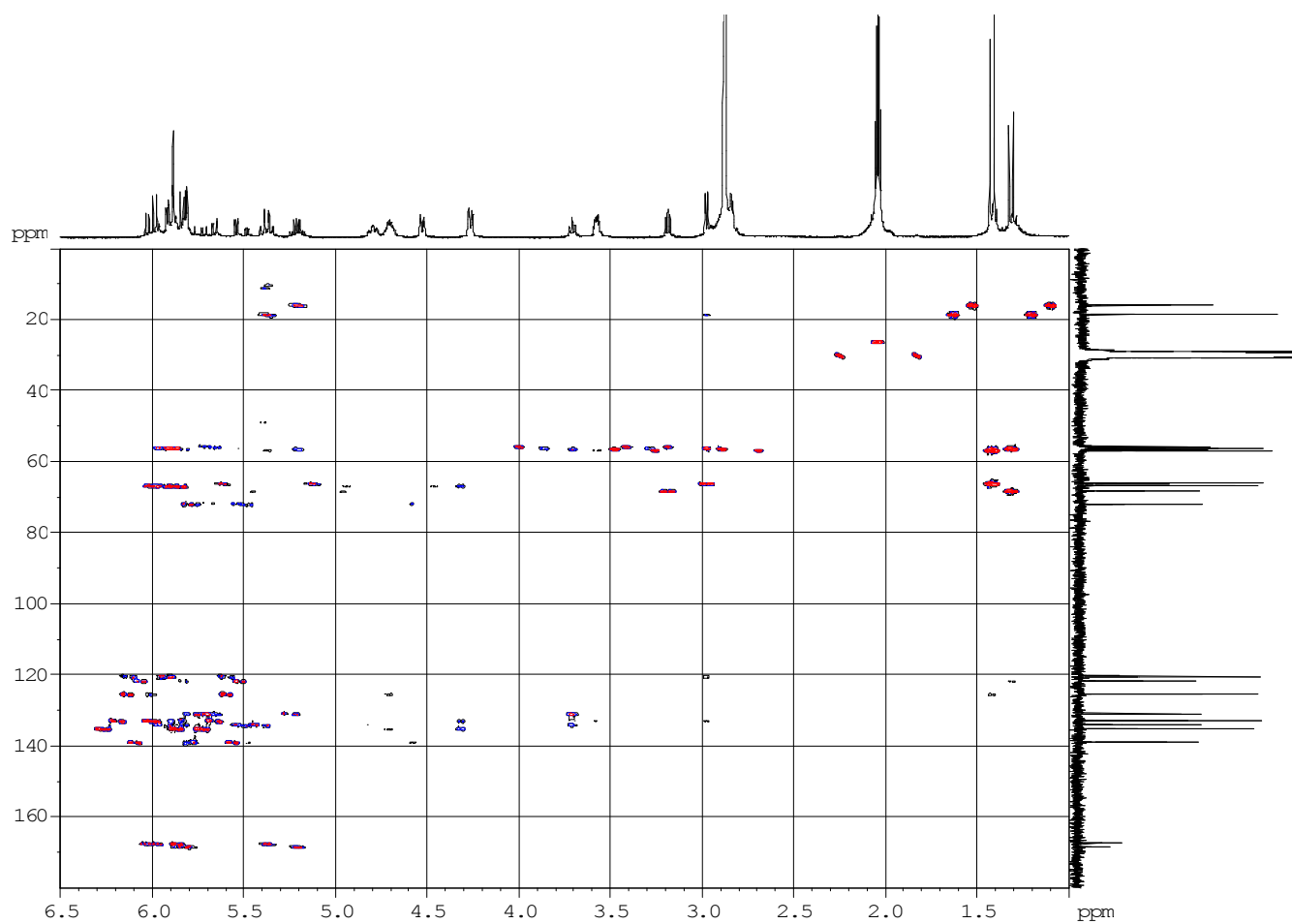
2.3. ^1H - ^1H COSY NMR spectrum of **2/3** in $[\text{D}_6]$ acetone at 300 MHz



2.4. HSQC (one bond) NMR spectrum of **2/3** in [D₆]acetone at 300 MHz

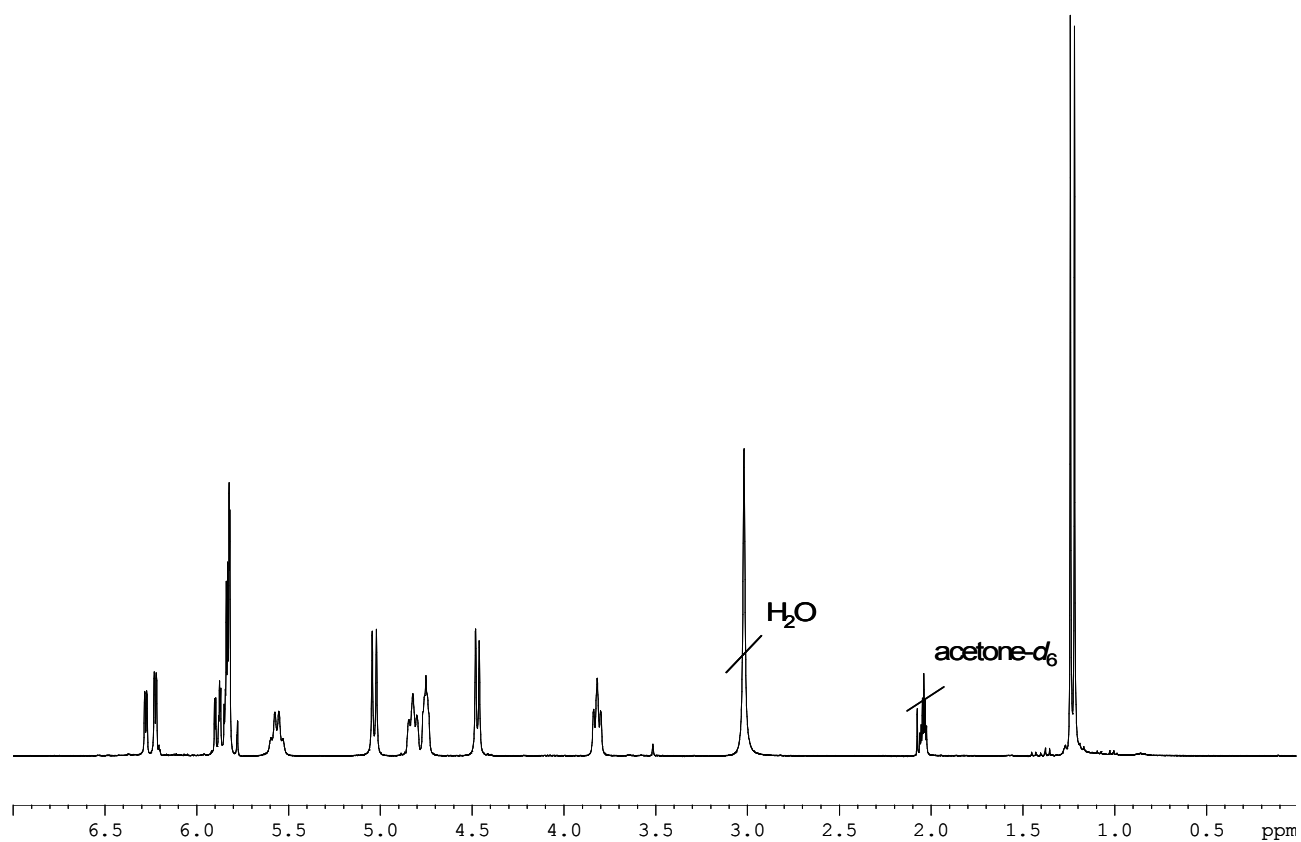


2.5. HMBC (multiple bond) NMR spectrum of **2/3** in [D₆]acetone at 300 MHz

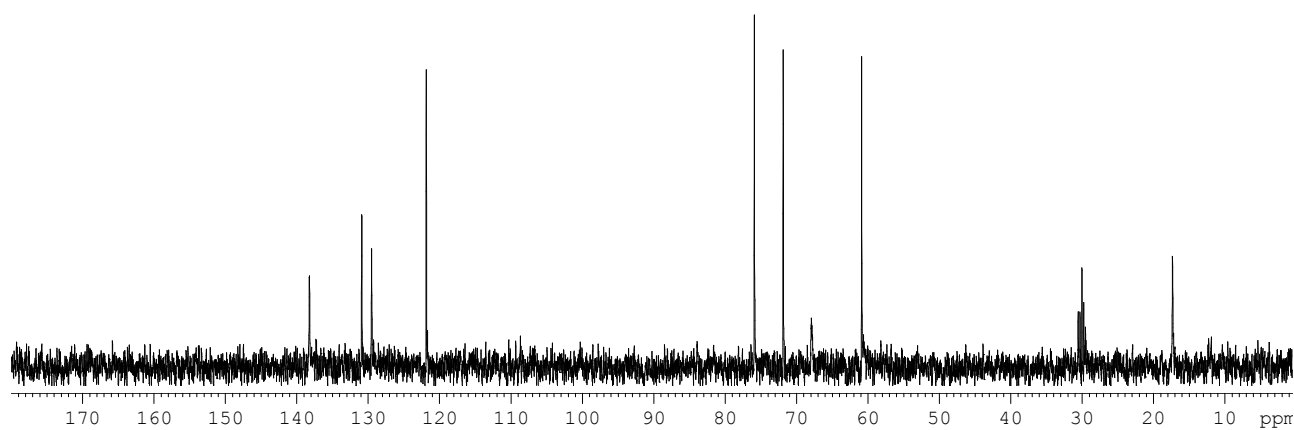
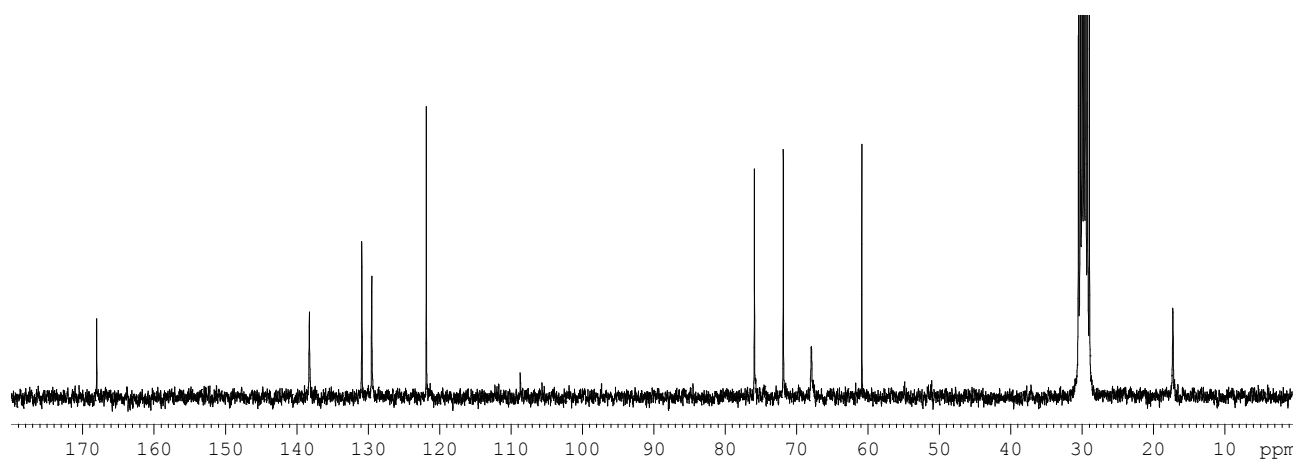


3. 1D and 2D NMR spectra of **4**

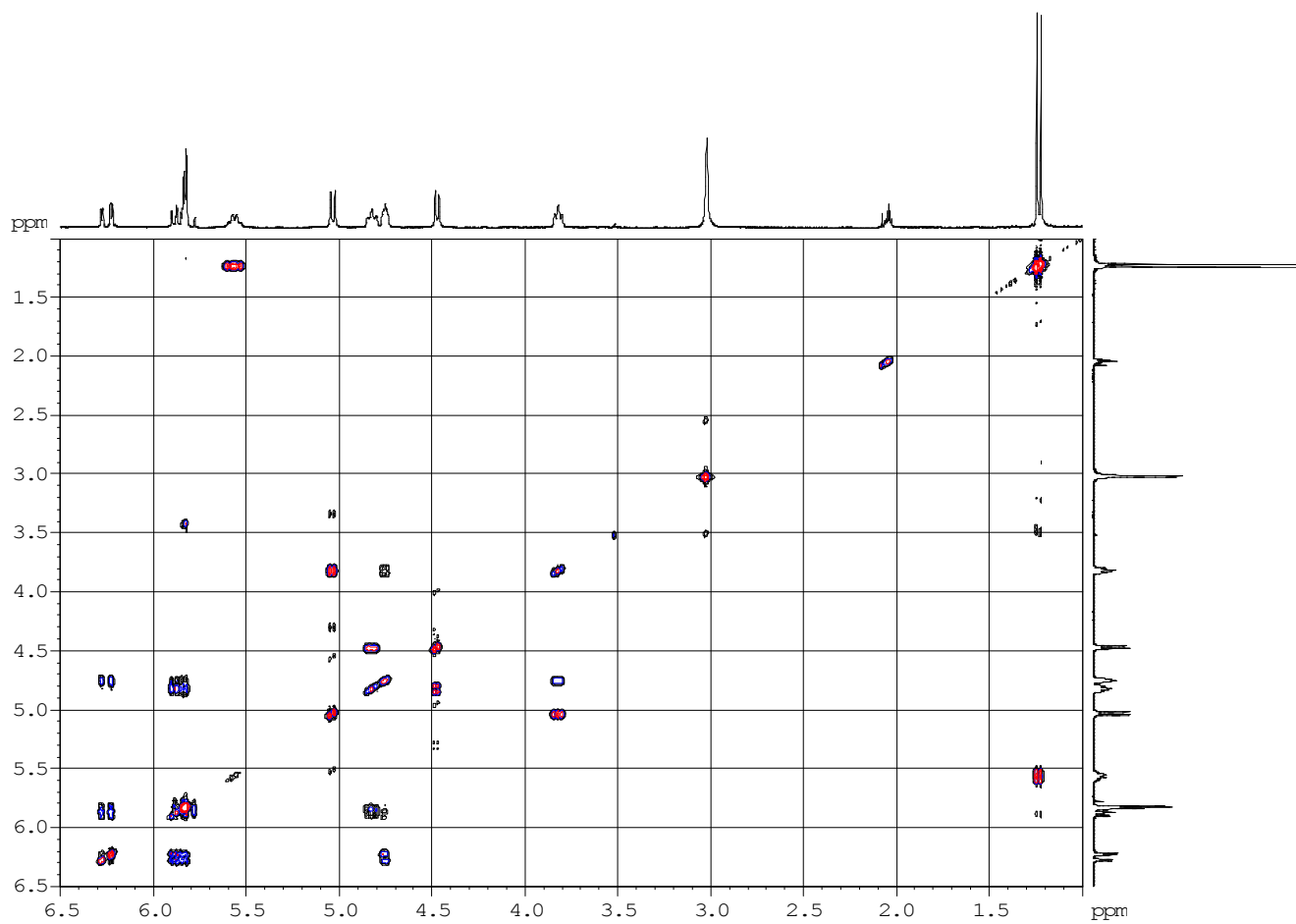
3.1. ^1H NMR spectrum of **4** in $[\text{D}_6]\text{acetone}$ at 300 MHz



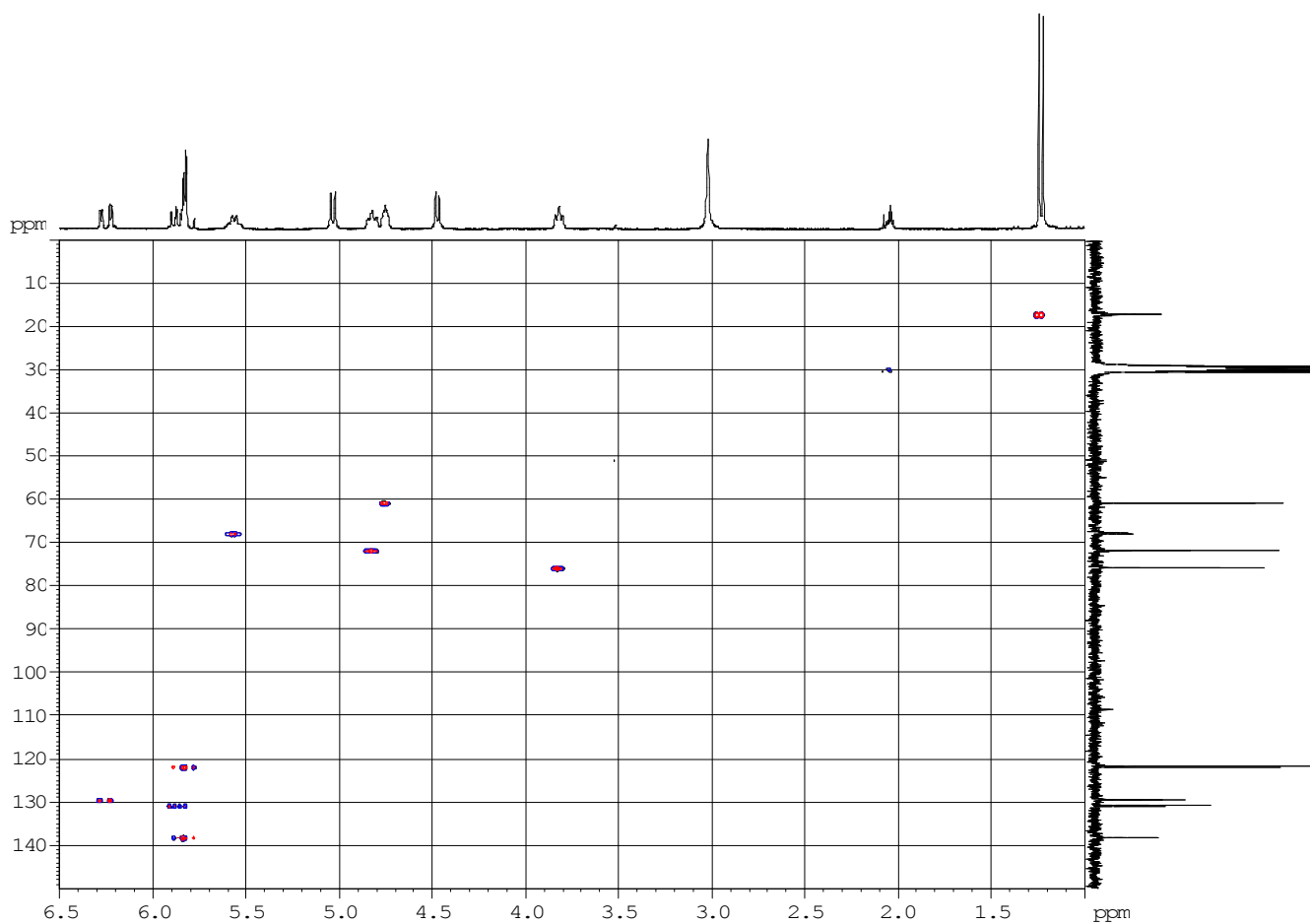
3.2. ^{13}C and DEPT135 NMR spectra of **4** in $[\text{D}_6]$ acetone at 75 MHz



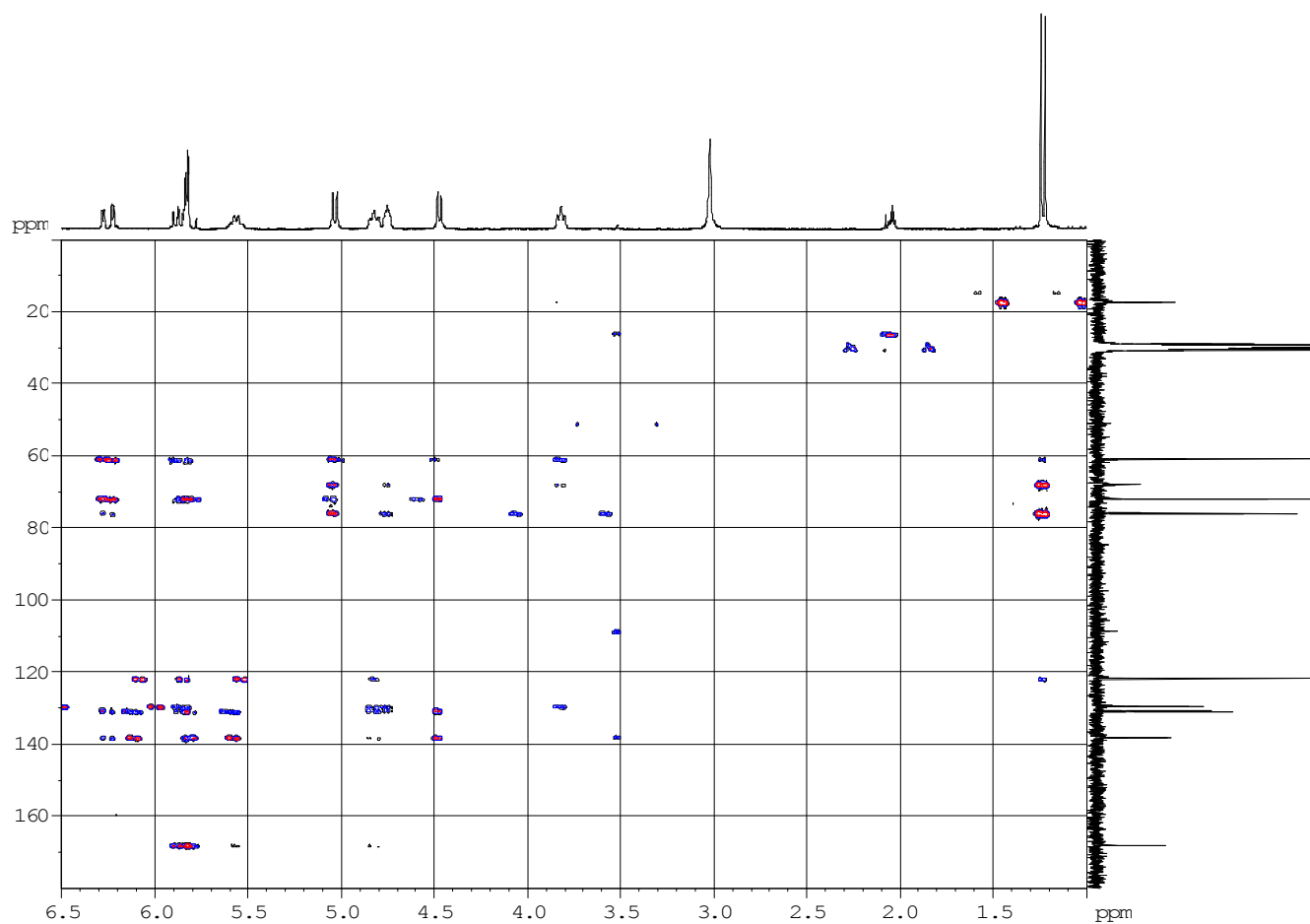
3.3. ¹H-¹H COSY NMR spectrum of **4** in [D₆]acetone at 300 MHz



3.4. HSQC (one bond) NMR spectrum of **4** in [D₆]acetone at 300 MHz

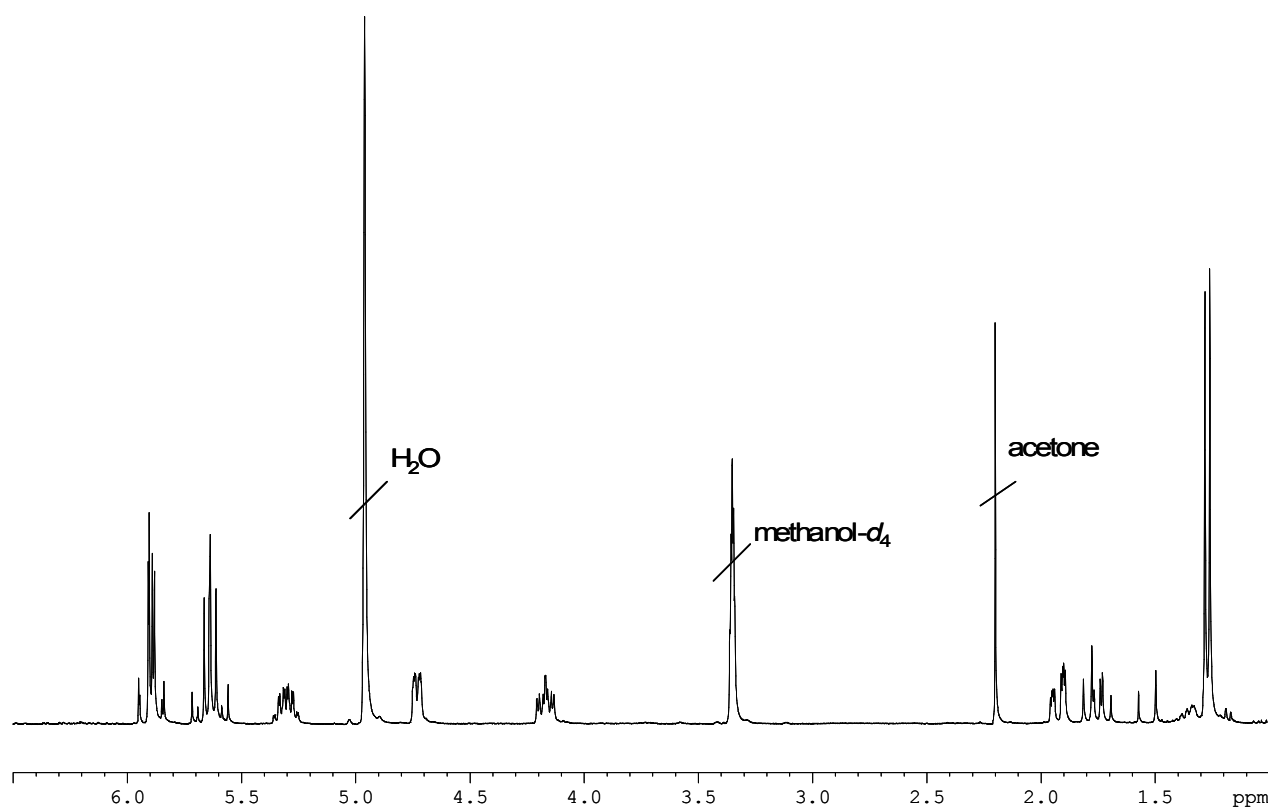


3.5. HMBC (multiple bond) NMR spectrum of **4** in [D₆]acetone at 300 MHz

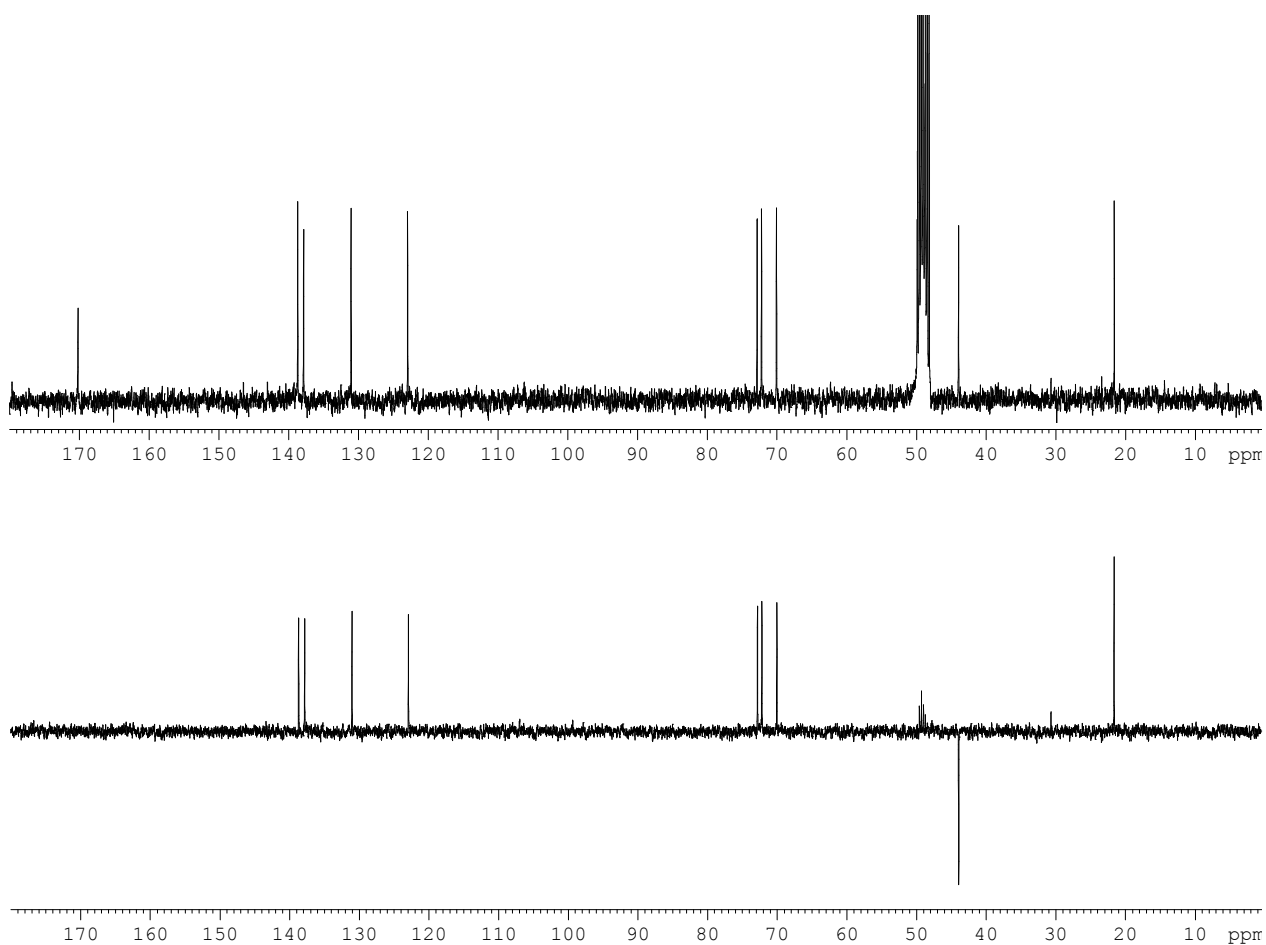


4. 1D NMR spectra of modiolide A (**5**)

4.1. ^1H NMR spectrum of **5** in $[\text{D}_4]\text{methanol}$ at 300 MHz

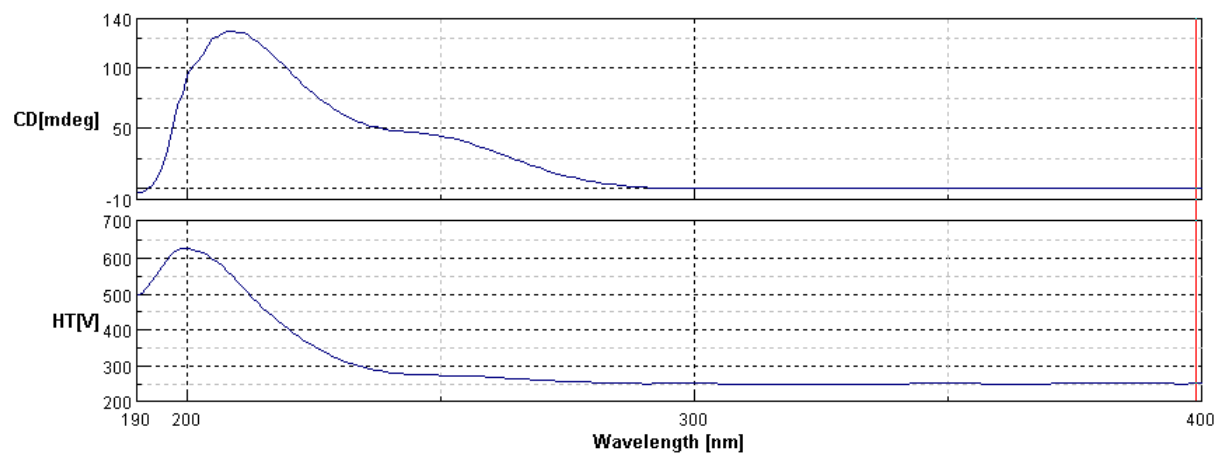


4.2. ^{13}C and DEPT135 NMR spectra of **5** in $[\text{D}_4]\text{methanol}$ at 75 MHz

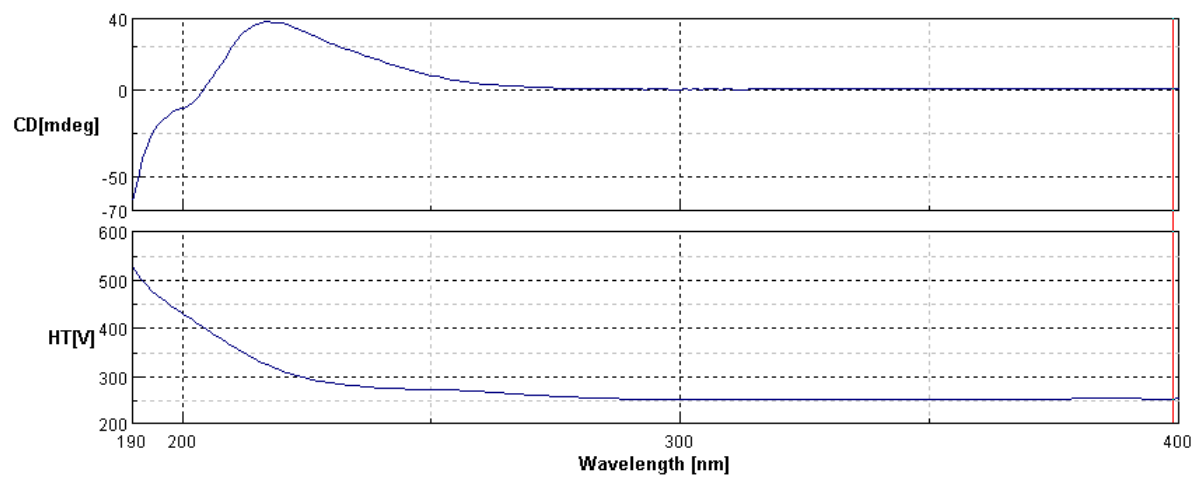


5. CD spectra of **1-5**

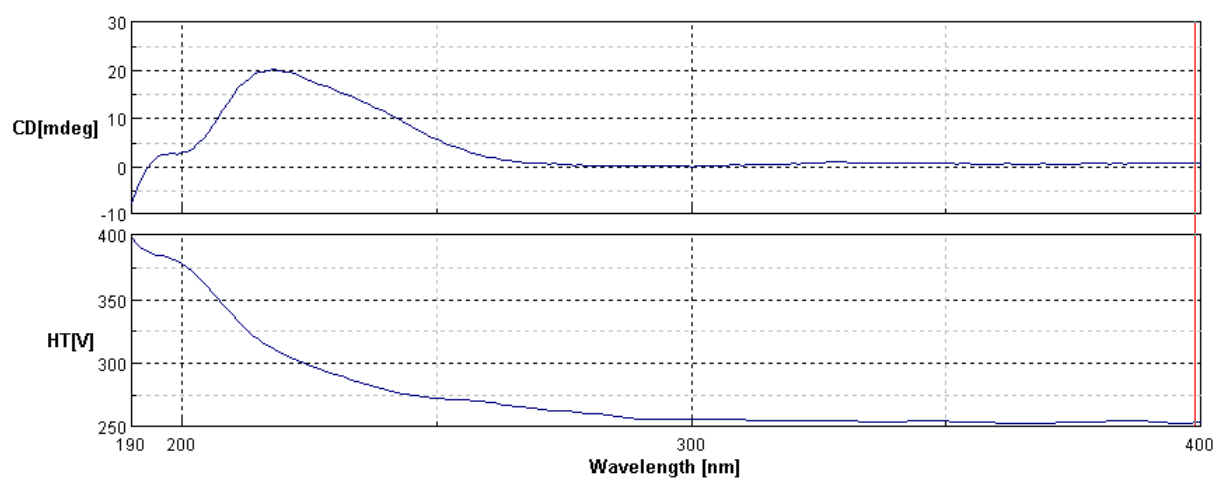
5.1. CD spectrum of **1** in CH₃CN (*c* 5.0 × 10⁻³ mol/L)



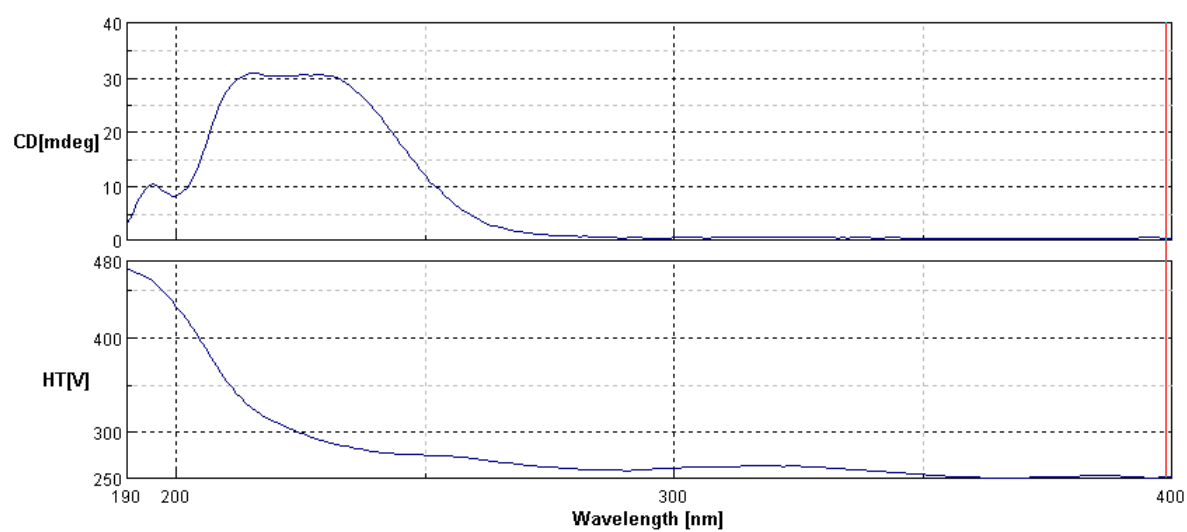
5.2. CD spectrum of the mixture of **2** and **3** in CH₃CN (*c* 2.5 × 10⁻³ mol/L)



5.3. CD spectrum of **4** in CH₃CN (*c* 2.2×10^{-3} mol/L)



5.4. CD spectrum of **5** in CH₃CN (*c* 2.5×10^{-3} mol/L)



6. **Figure S1.** Selected $^3J_{\text{H-H}}$ coupling constants in Hz and ^{13}C NMR shifts δ_{C} in ppm of **2** and **3** in comparison to the reported, closely related lactones pyrenolide A⁴ and modiolide A (**5**)³

