

SUPPLEMENTARY MATERIAL**Tetraenone A: A new β -ionone Derivative from *Tetraena aegyptia***

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List of tables and figures

Table S1. NMR data of compounds **1** and **2**

Figure S1. ^1H -NMR Spectrum of Compound **1** (500 MHz, CD₃OD)

Figure S2. ^{13}C -NMR Spectrum of Compound **1** (125 MHz, CD₃OD)

Figure S3. DEPT Spectrum of Compound **1** in CD₃OD

Figure S4. COSY Spectrum of Compound **1** (500 MHz, CD₃OD)

Figure S5. HMQC Spectrum of Compound **1** (500 MHz, CD₃OD)

Figure S6. HMBC Spectrum of Compound **1** (500 MHz, CD₃OD)

Figure S7. NOESY Spectrum of Compound **1** (500 MHz, CD₃OD)

Figure S8. HRESI-MS of Compound **1**

Figure S9. ^1H -NMR Spectrum of Compound **2** (500 MHz, CD₃OD)

Figure S10. ^{13}C -NMR Spectrum of Compound **2** (125 MHz, CD₃OD)

Figure S11. TOCSY Spectrum of Compound **2** (500 MHz, CD₃OD)

Figure S12. HMQC Spectrum of Compound **2** (500 MHz, CD₃OD)

Figure S13. HMBC Spectrum of Compound **2** (500 MHz, CD₃OD)

Figure S14. NOESY Spectrum of Compound **2** (500 MHz, CD₃OD)

Figure S15. HRESI-MS of Compound **2**

Table S1. NMR data of compounds **1** and **2**



| 1 | | | 2 | |
|-----|------------|---|------------|--|
| # | δ_C | δ_H | δ_C | δ_H |
| 1. | 36.6 | - | 35.4 | - |
| 2. | 75.7 | 4.53, <i>tt</i> (11.6, 4.4) | 43.3 | 1.48, <i>dd</i> (13.1, 9.9) 1.79, <i>d</i> (12.4) |
| 3. | 48.1 | 1.31, <i>t</i> (12.1) 2.31, <i>dd</i> (9.7, 5.2) | 72.4 | 4.51, <i>m</i> |
| 4. | 42.4 | 1.11, <i>m</i> 2.02, <i>m</i> | 38.2 | 1.96, <i>dd</i> (14.8, 7.8) 2.50, <i>dd</i> (14.8, 5.2) |
| 5. | 31.9 | 1.79, <i>m</i> | 67.5 | - |
| 6. | 58.7 | 1.61, <i>t</i> (10.6) | 70.4 | - |
| 7. | 151.4 | 6.69, <i>dd</i> (15.9, 10.3) | 144.5 | 7.17, <i>d</i> (15.8) |
| 8. | 134.8 | 6.11, <i>d</i> (15.9) | 133.5 | 6.20, <i>d</i> (15.8) |
| 9. | 200.8 | - | 199.7 | - |
| 10. | 26.9 | 2.28, <i>s</i> | 26.9 | 2.30, <i>s</i> |
| 11. | 21.6 | 0.99, <i>s</i> | 25.1 | 0.98, <i>s</i> |
| 12. | 31.6 | 0.91, <i>s</i> | 28.7 | 1.25, <i>s</i> |
| 13. | 21.5 | 0.86, <i>d</i> (6.5) | 19.7 | 1.19, <i>s</i> |

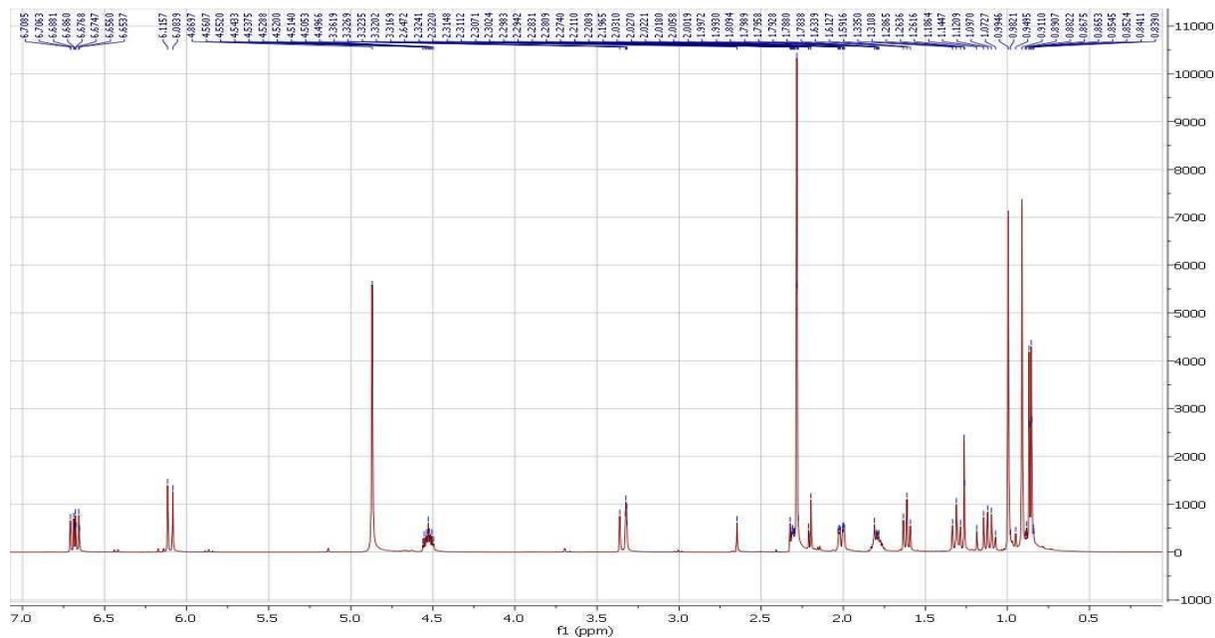


Figure S1. $^1\text{H-NMR}$ Spectrum of Compound **1** (500 MHz, CD_3OD)

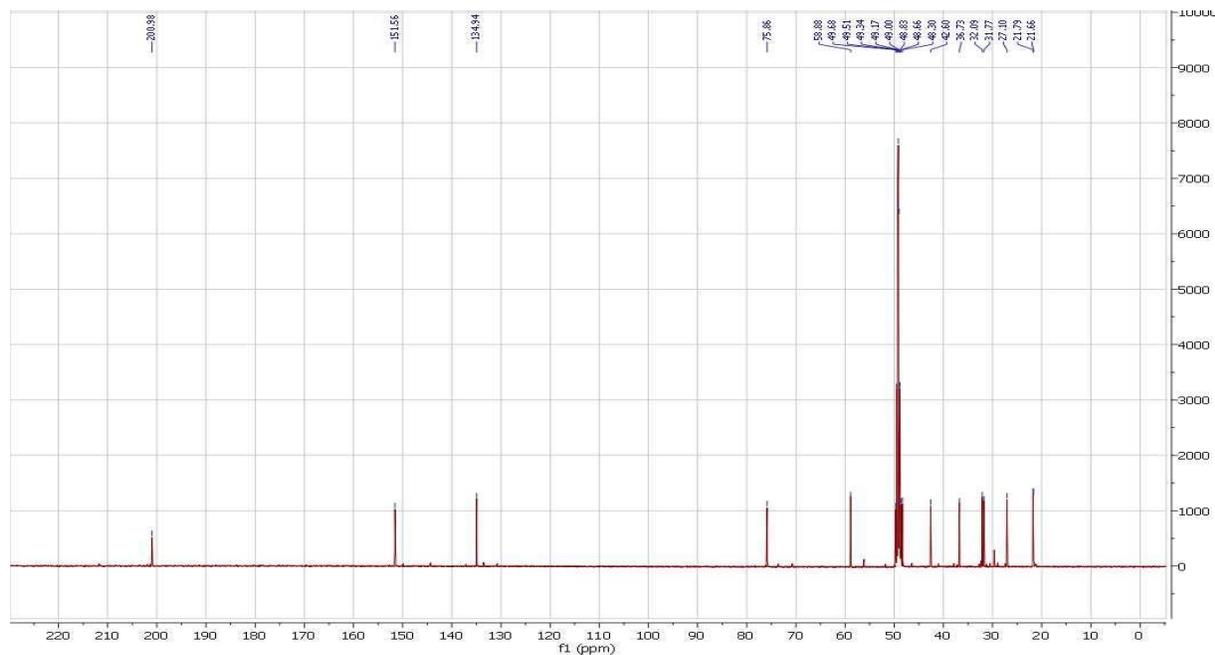


Figure S2. $^{13}\text{C-NMR}$ Spectrum of Compound **1** (125 MHz, CD_3OD)

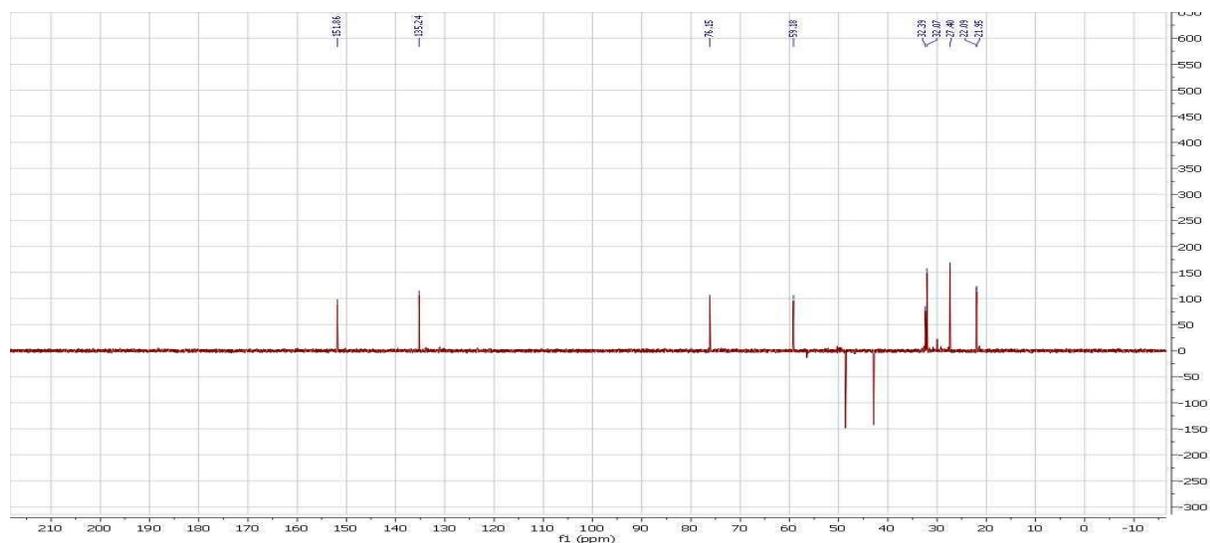


Figure S3. DEPT Spectrum of Compound **1** in CD₃OD

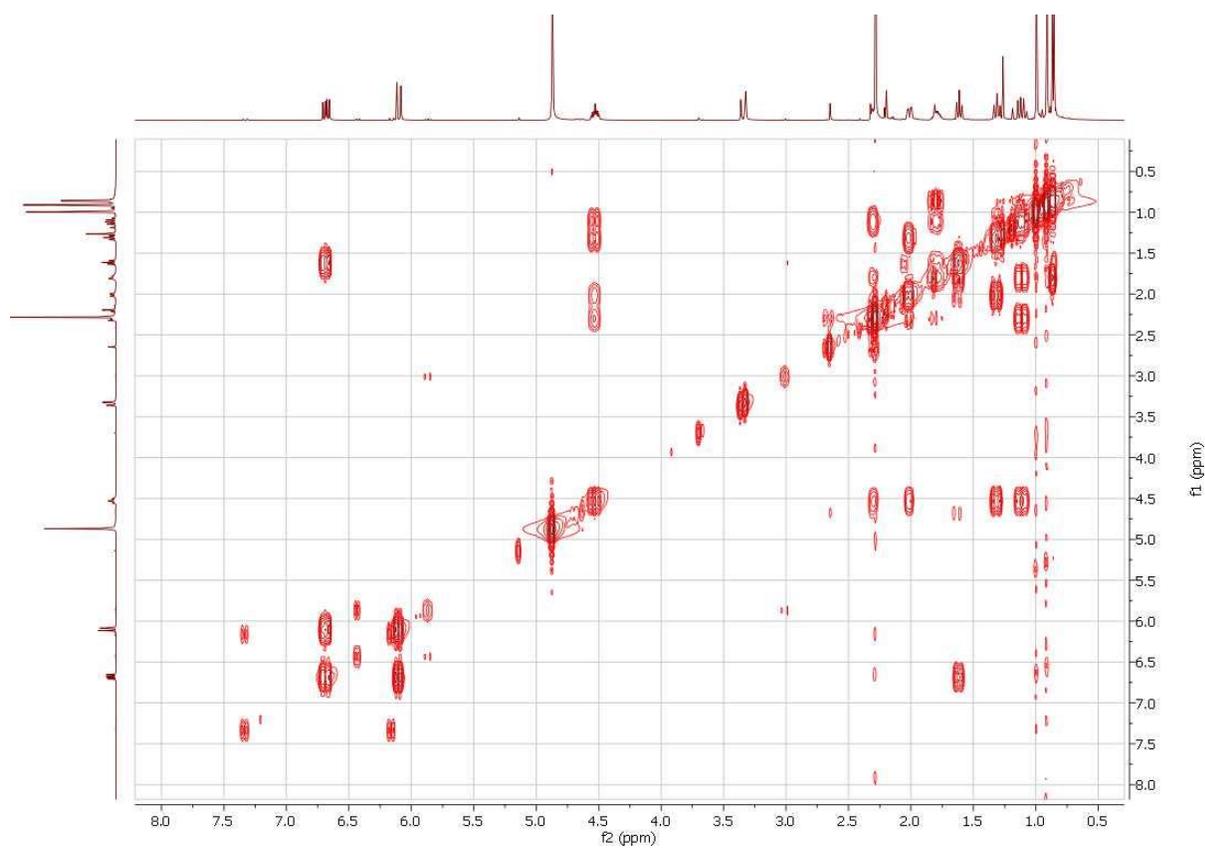


Figure S4. COSY Spectrum of Compound **1** (500 MHz, CD₃OD)

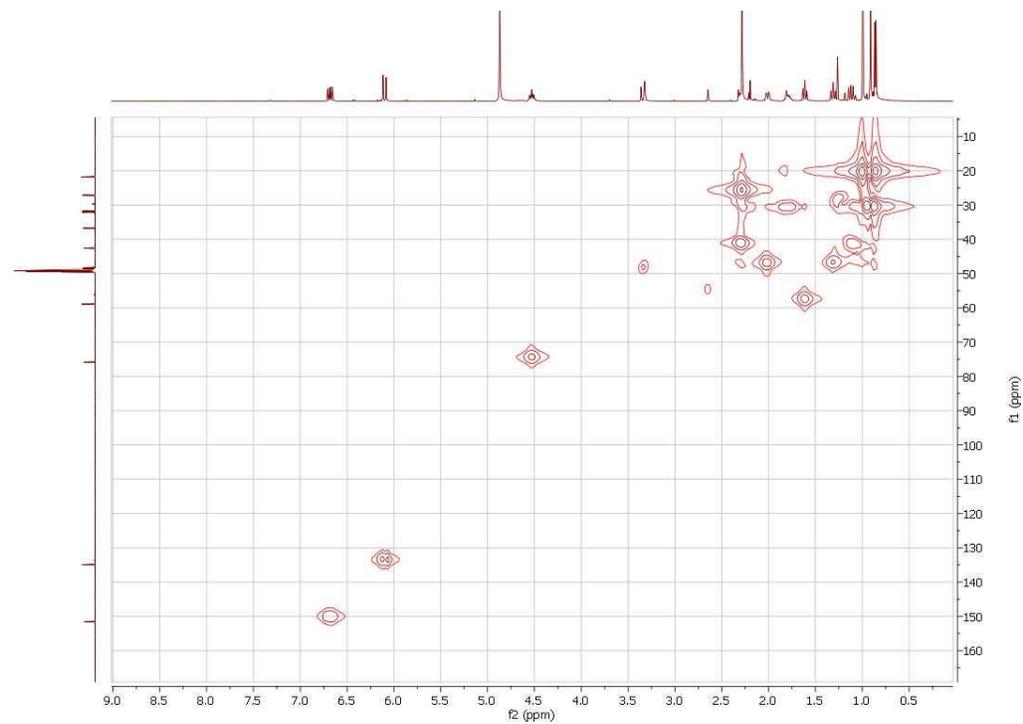


Figure S5. HMQC Spectrum of Compound **1** (500 MHz, CD₃OD)



Figure S6. HMBC Spectrum of Compound **1** (500 MHz, CD₃OD)

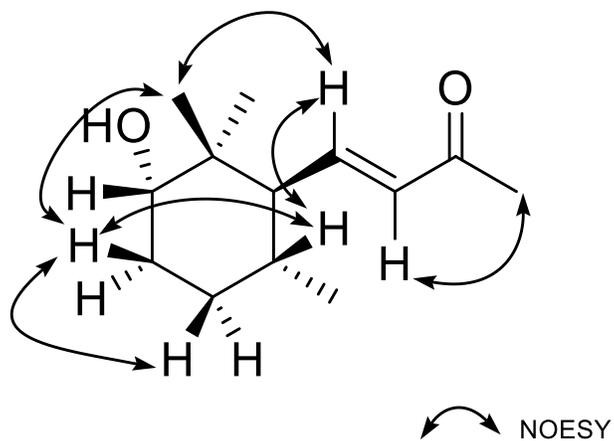
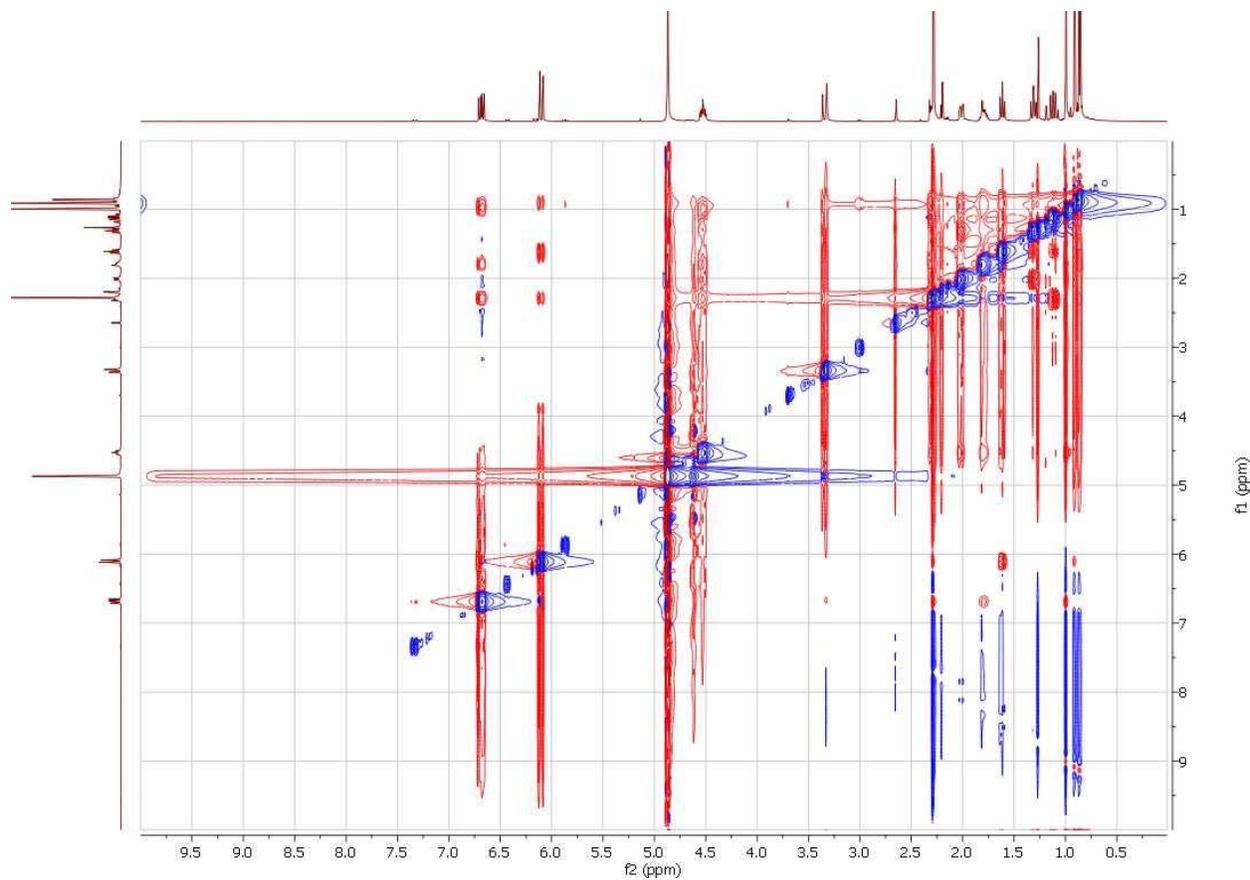


Figure S7. NOESY Spectrum of Compound **1** (500 MHz, CD₃OD)

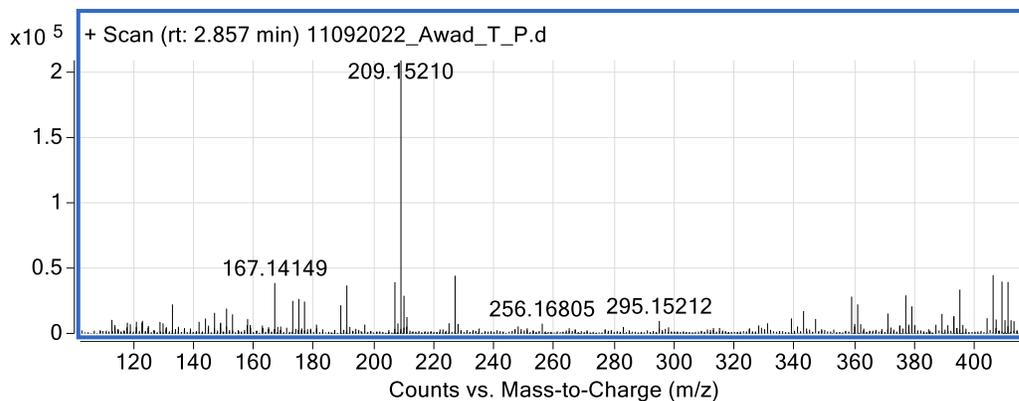


Figure S8. HRESI-MS of Compound **1**

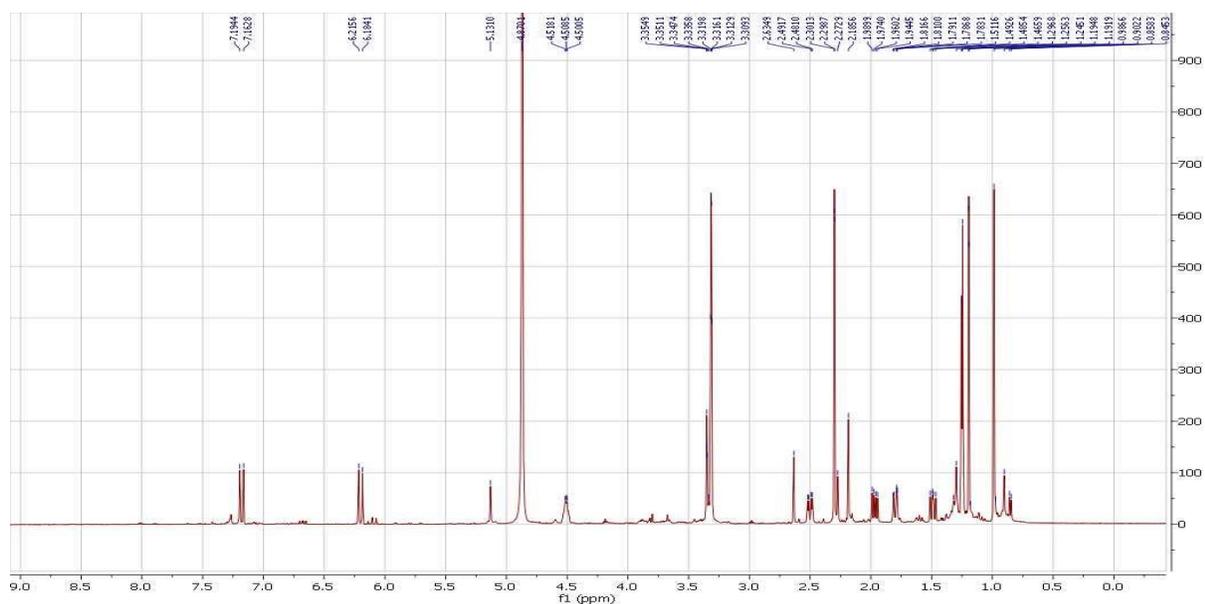


Figure S9. ¹H-NMR Spectrum of Compound **2** (500 MHz, CD₃OD)

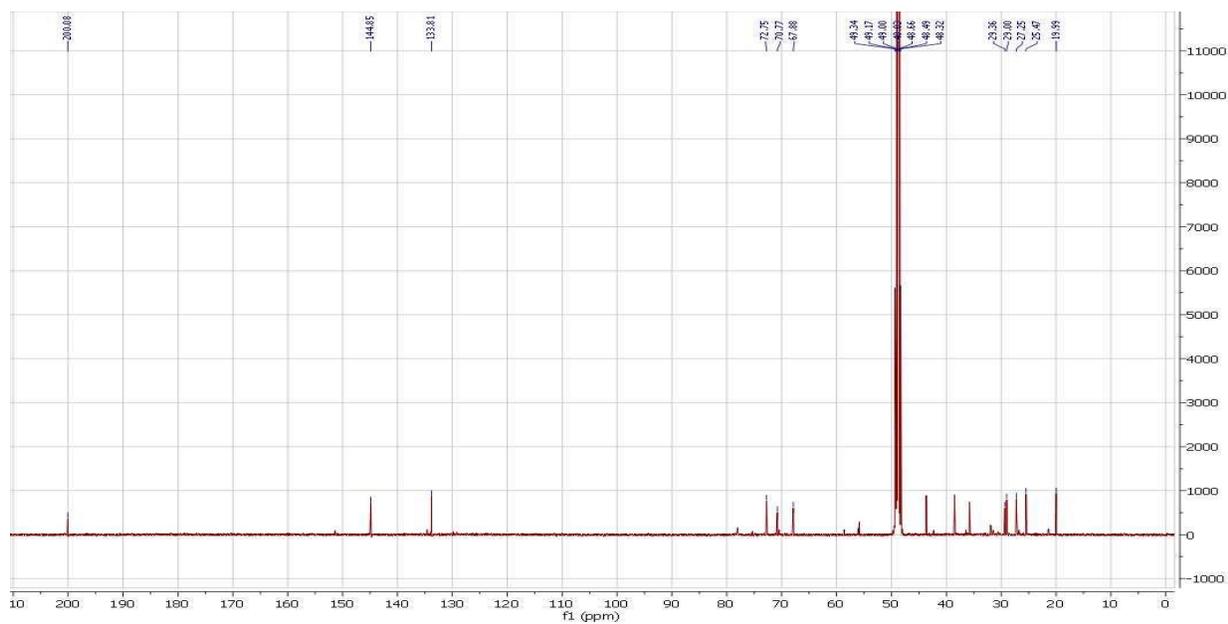


Figure S10. ^{13}C -NMR Spectrum of Compound **2** (125 MHz, CD_3OD)

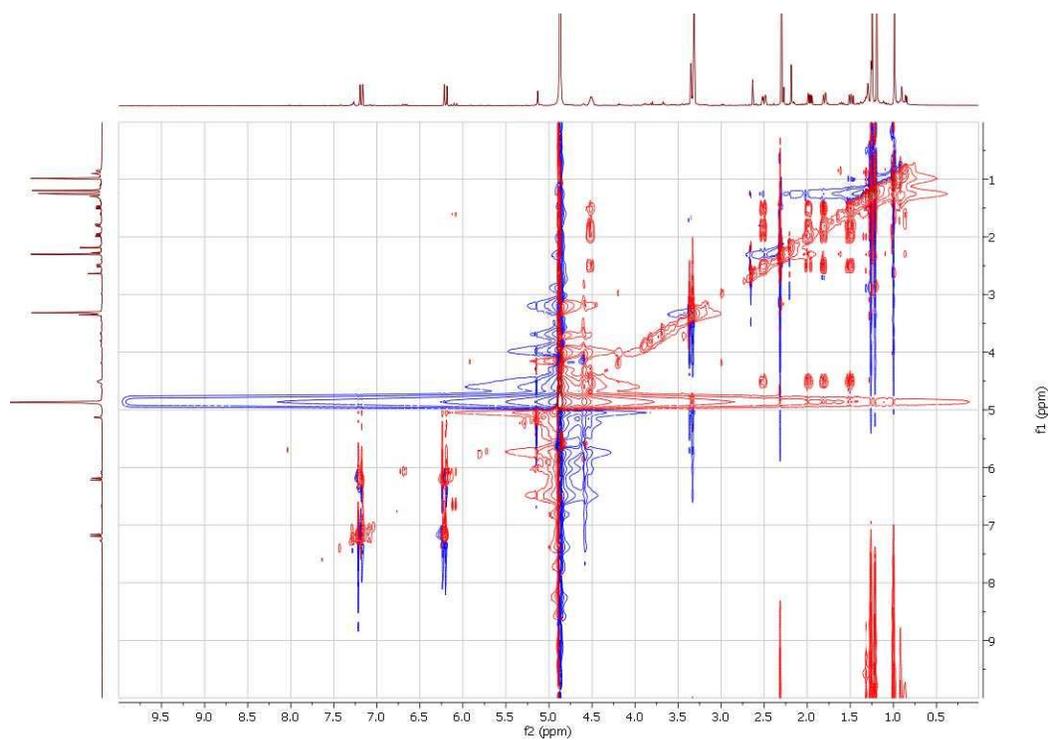


Figure S11. TOCSY Spectrum of Compound 2 (500 MHz, CD₃OD)

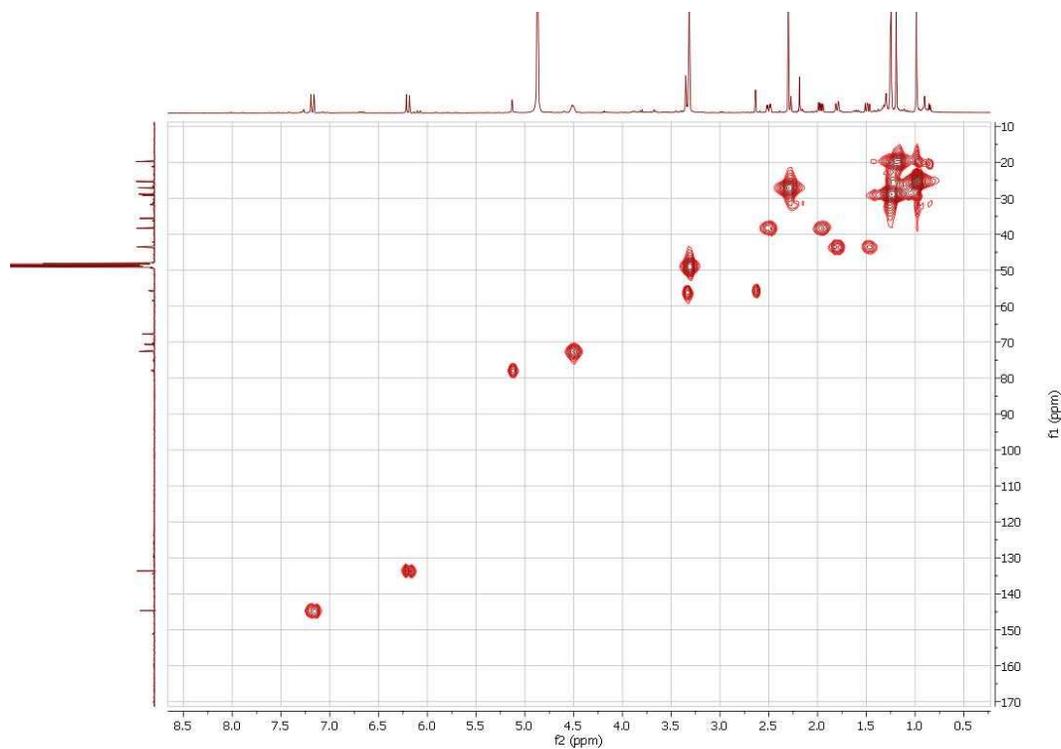


Figure S12. HMQC Spectrum of Compound 2 (500 MHz, CD₃OD)

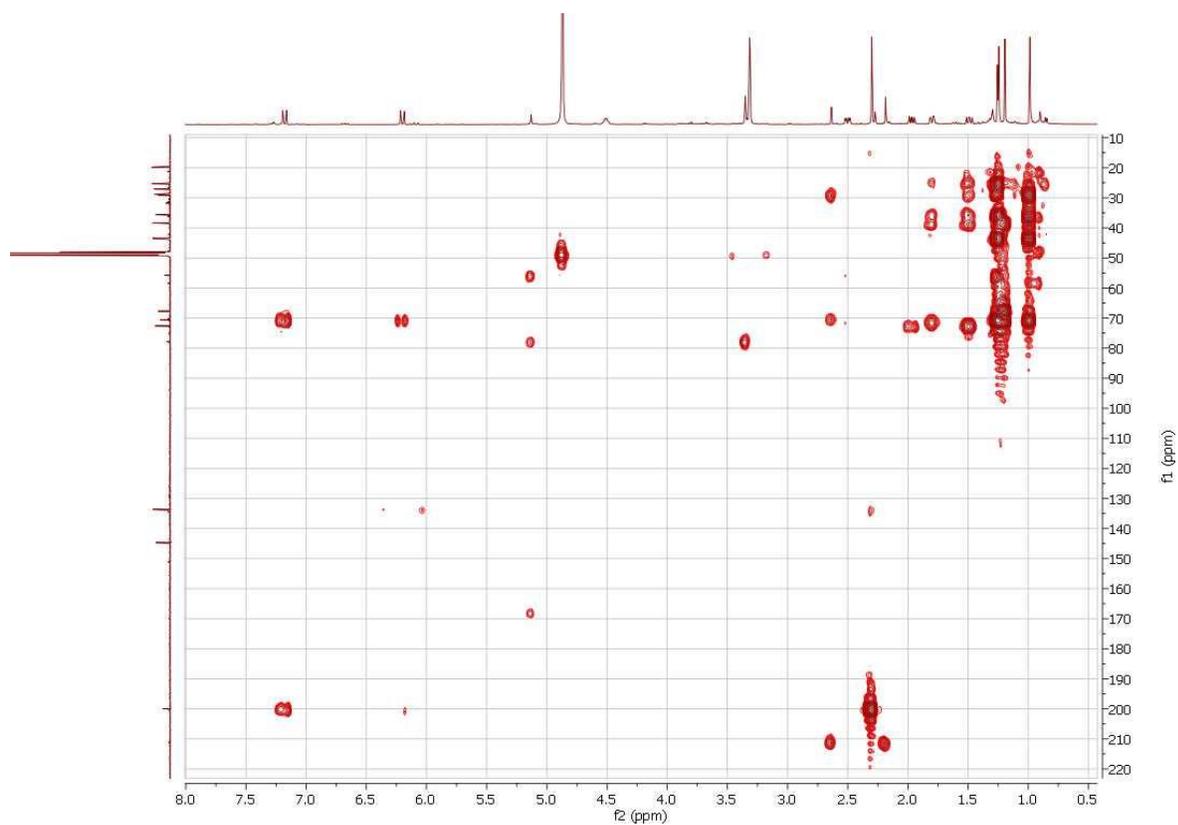


Figure S13. HMBC Spectrum of Compound **2** (500 MHz, CD₃OD)

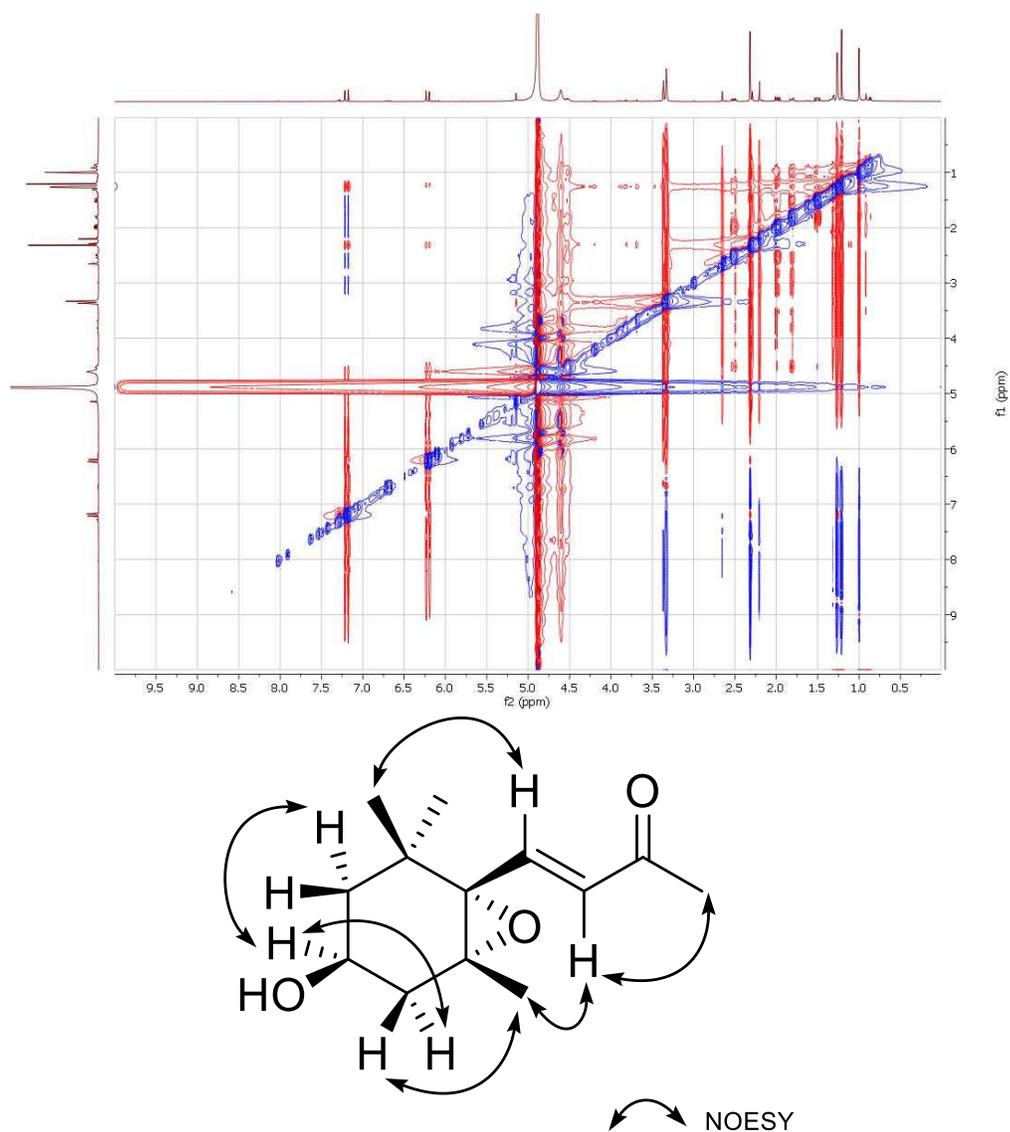


Figure S14. NOESY Spectrum of Compound 2 (500 MHz, CD₃OD)

0053_190308130124 #13 RT: 0.17 AV: 1 NL: 8.13E5
T: FTMS + p ESI Full ms [100.00-1000.00]

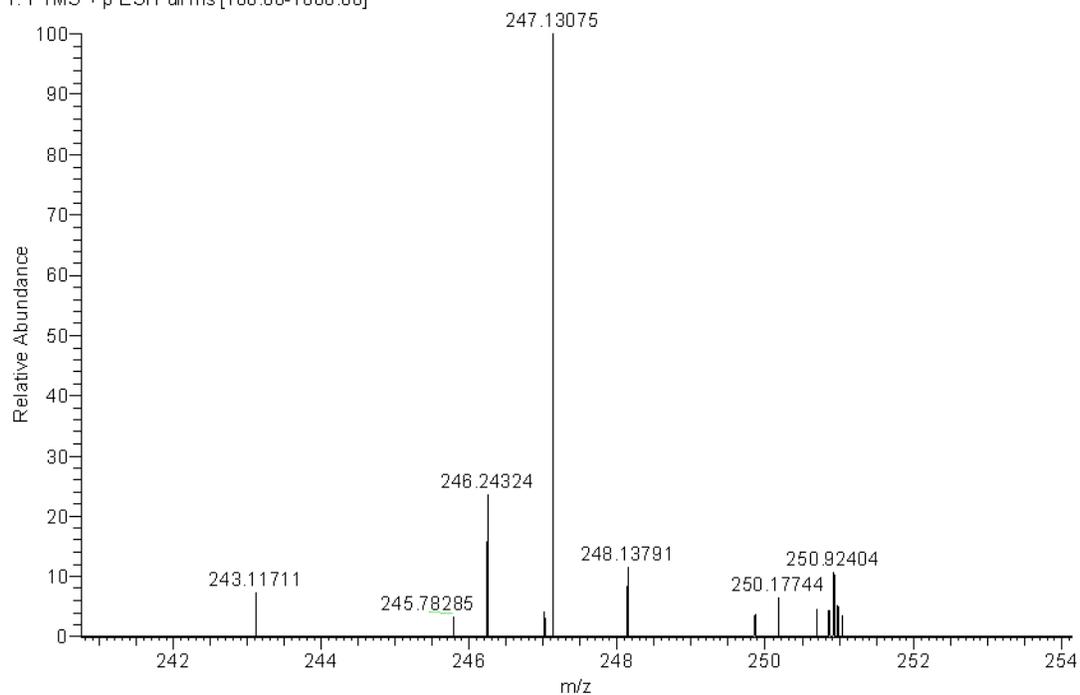


Figure S15. HRESI-MS of Compound 2