

Fatimanols Y and Z: Two neo-clerodane diterpenoids from *Teucrium yemense*

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Fig. S1. HR-ESI-MS [M-H]⁻ spectrum of compound **1**

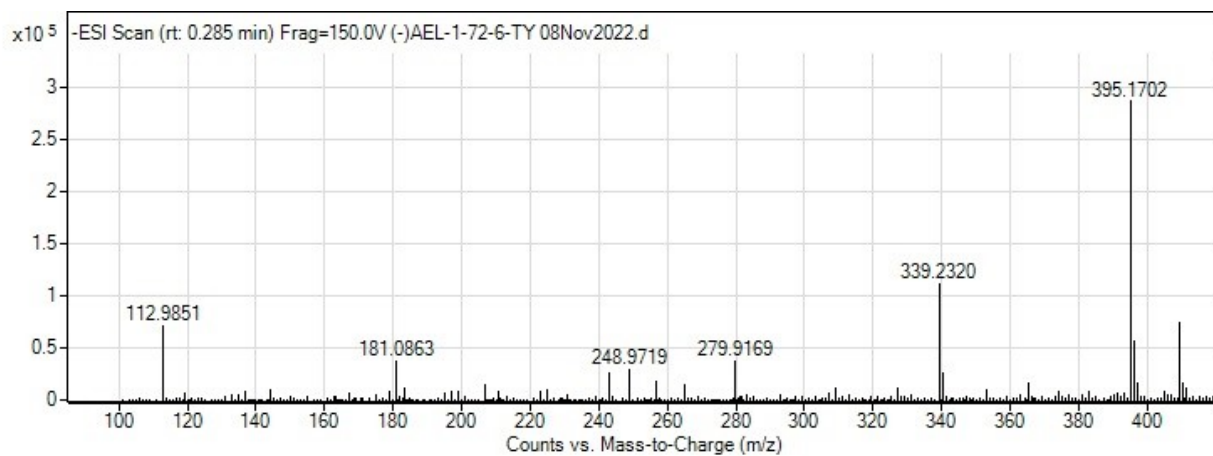


Fig. S2. ¹H NMR spectrum of compound **1** (CD₃OD, 400 MHz)

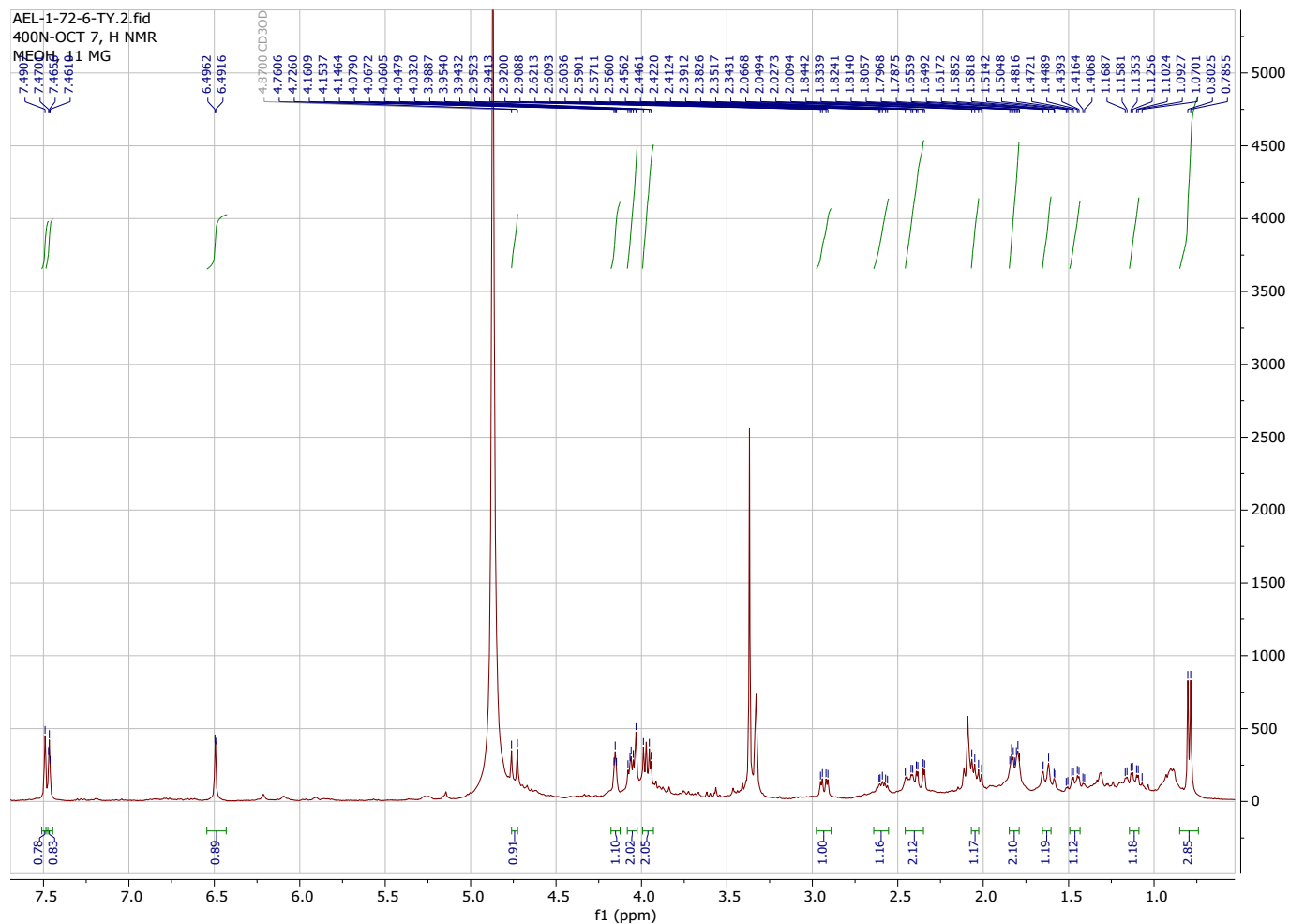


Fig. S3. DEPTQ spectrum of compound **1** (CD₃OD, 100 MHz)

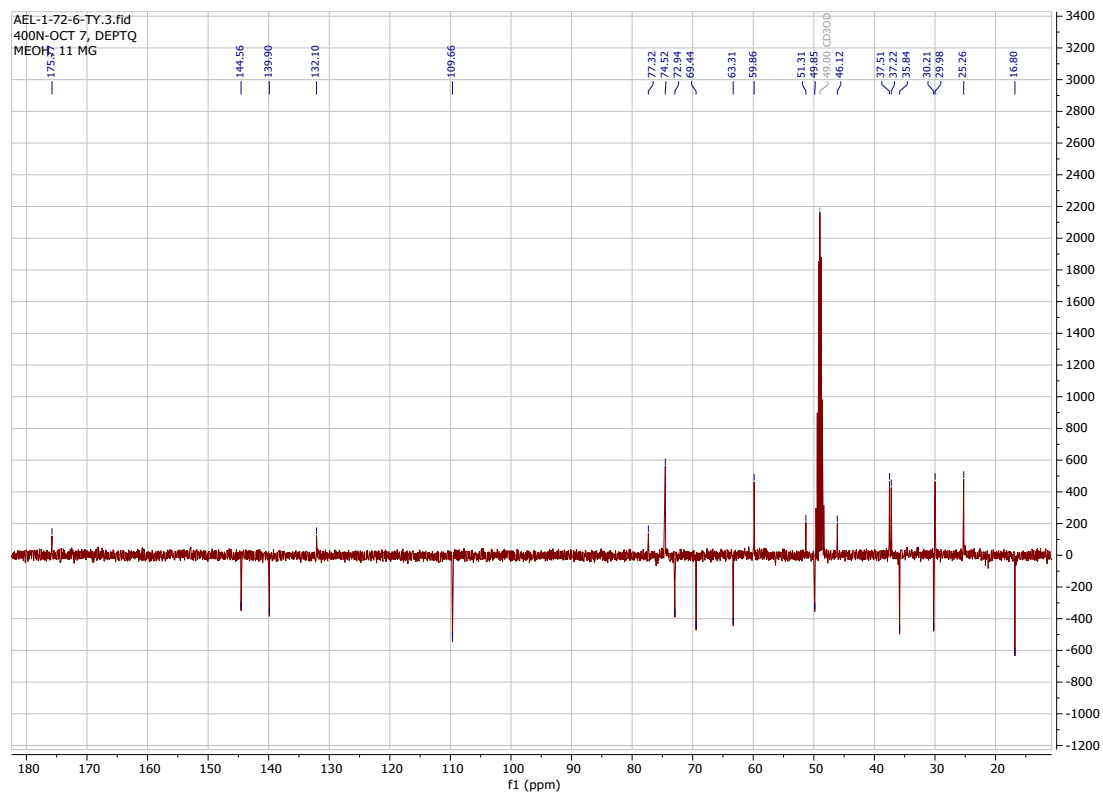


Fig. S4. ¹H-¹H COSY spectrum of compound **1** (CD₃OD, 400 MHz)

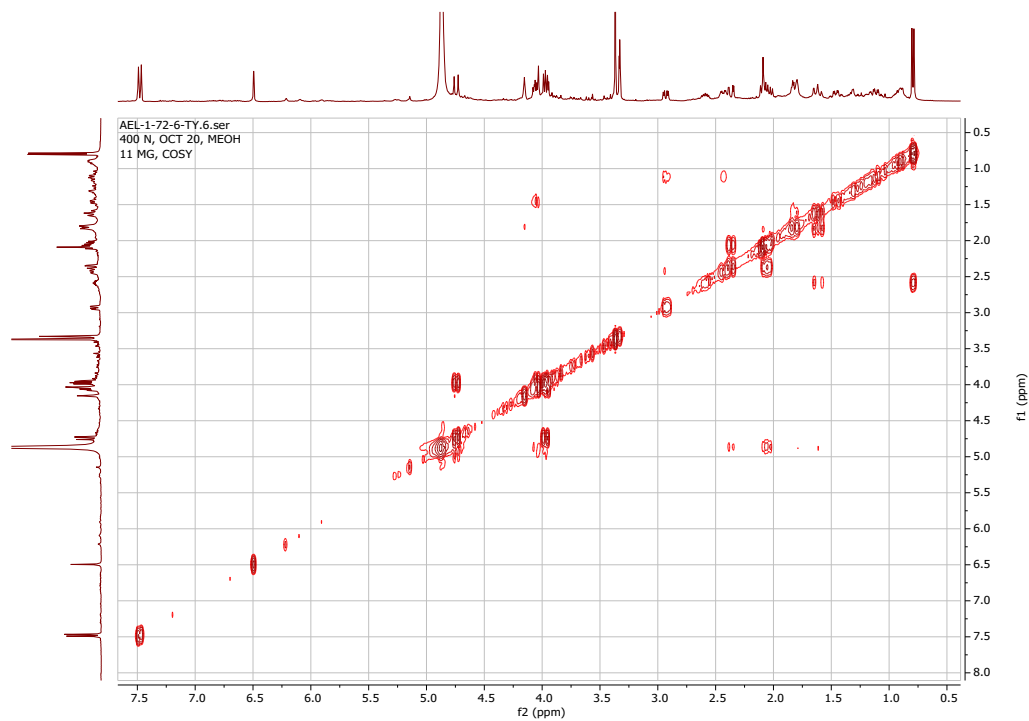


Fig. S5. HSQC spectrum of compound **1** (CD₃OD, 400 MHz)

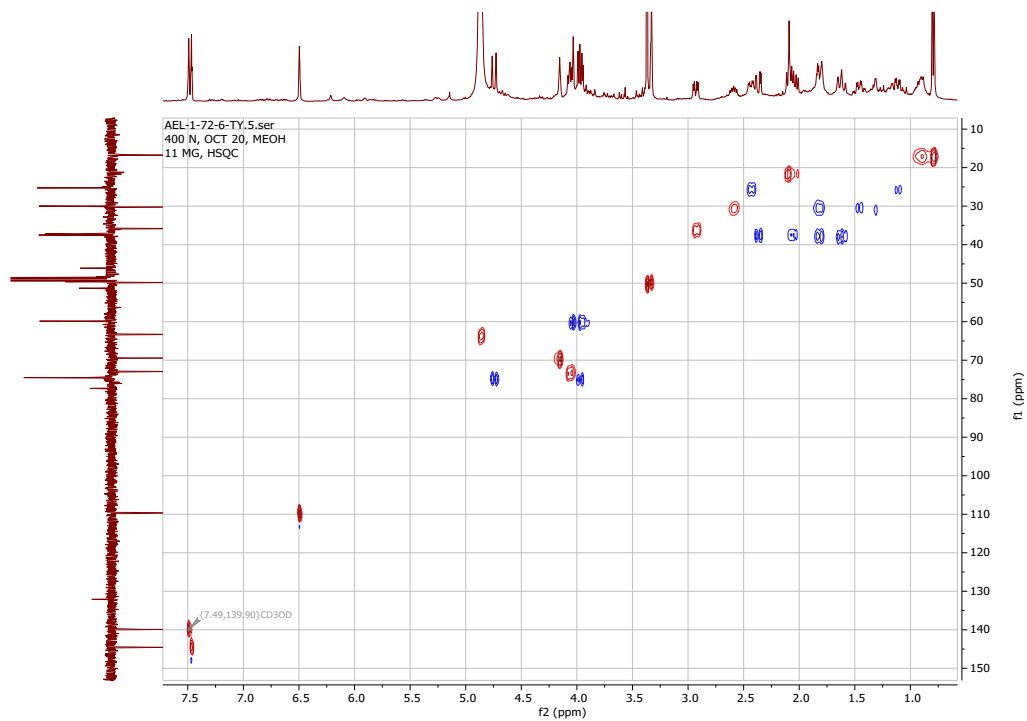


Fig. S6. HMBC spectrum of compound **1** (CD₃OD, 400 MHz)

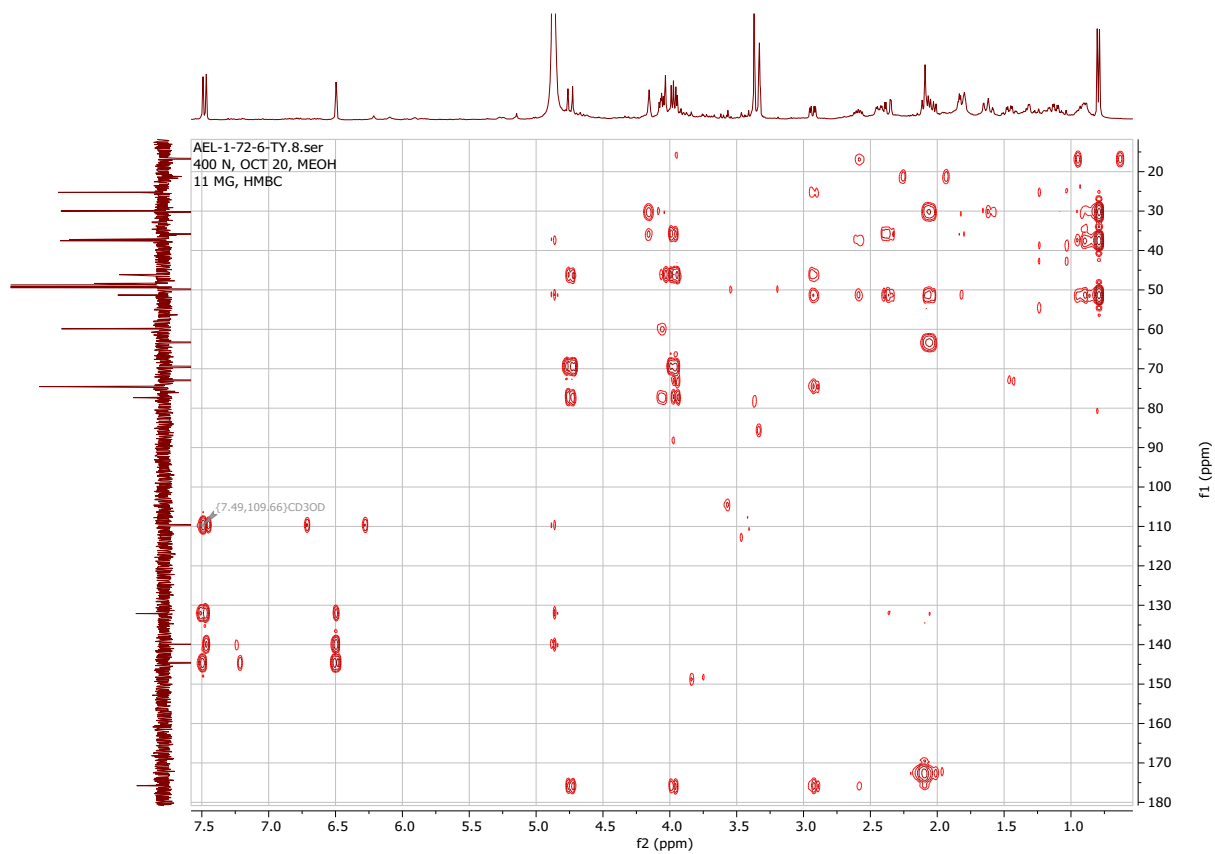


Fig. S7. NOESY spectrum of compound **1** (CD₃OD, 400 MHz)

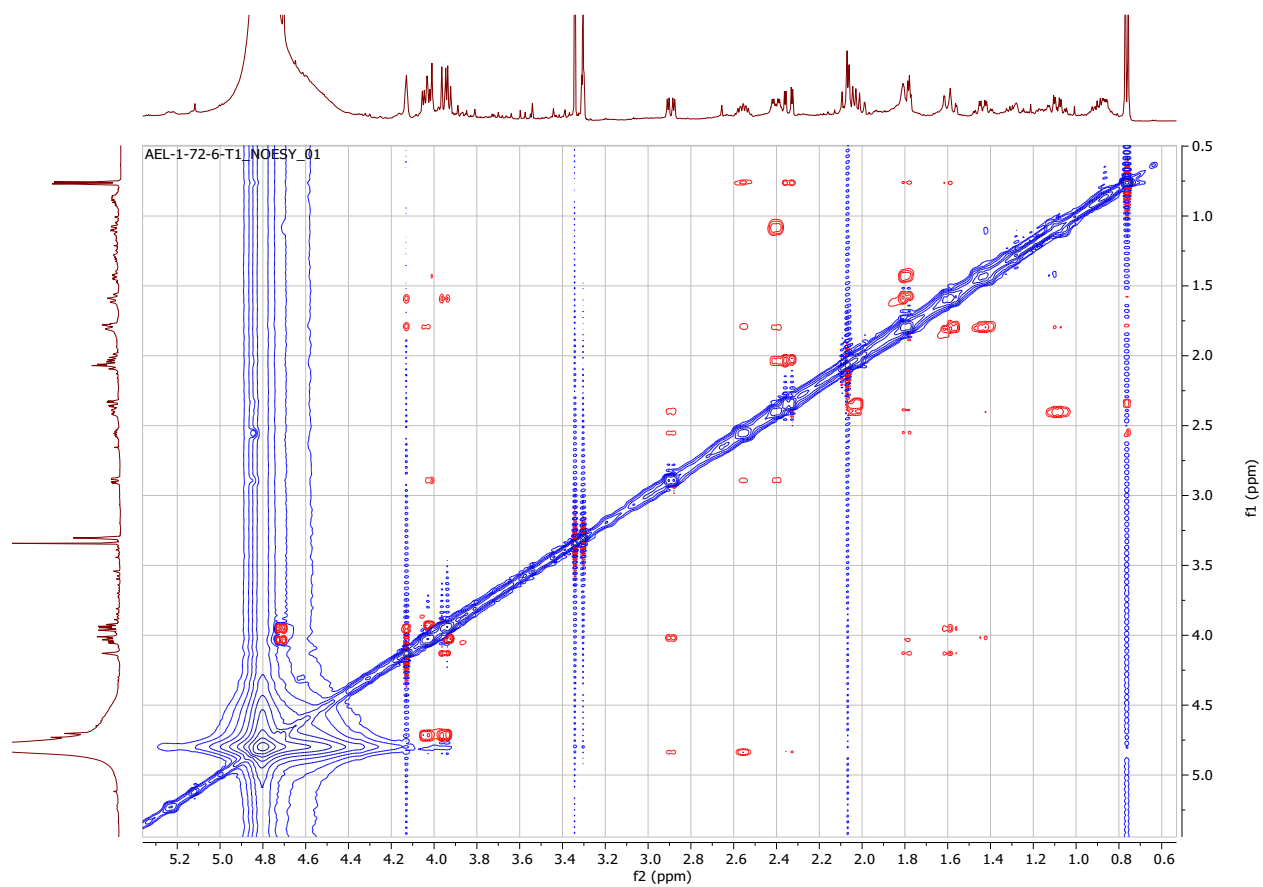


Fig. S8. IR spectrum of compound **1**

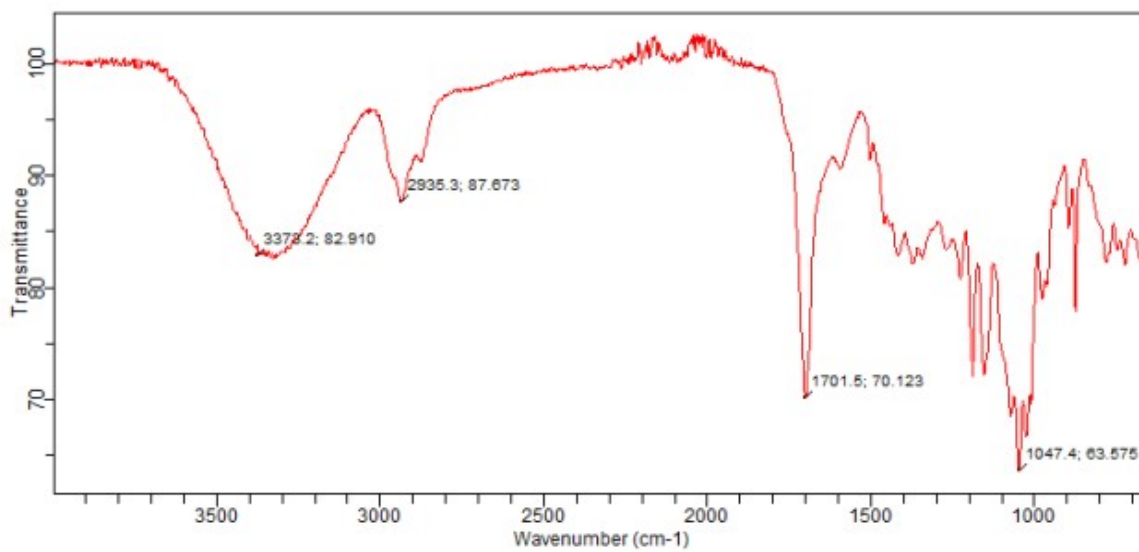


Fig. S9. HR-ESI-MS [M-H]⁻ spectrum of compound **2**

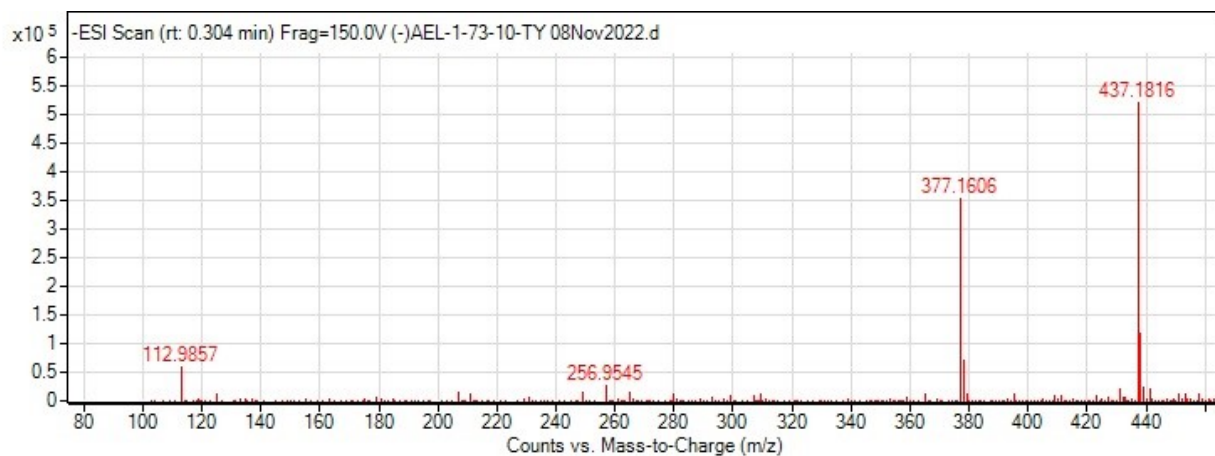


Fig. S10. ¹H-NMR spectrum of compound **2** (CD₃OD, 400 MHz)

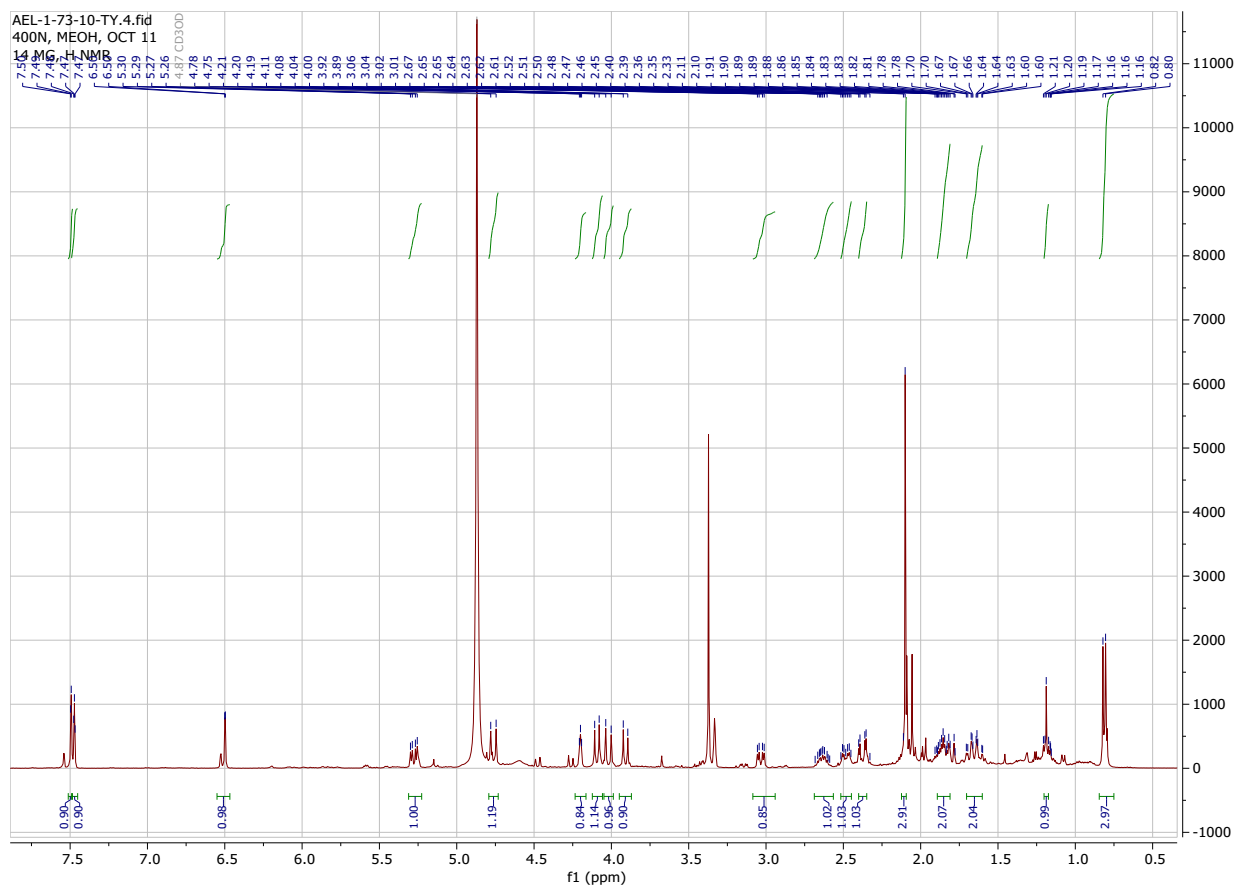


Fig. S11. DEPTQ spectrum of compound **2** (CD₃OD, 100 MHz)

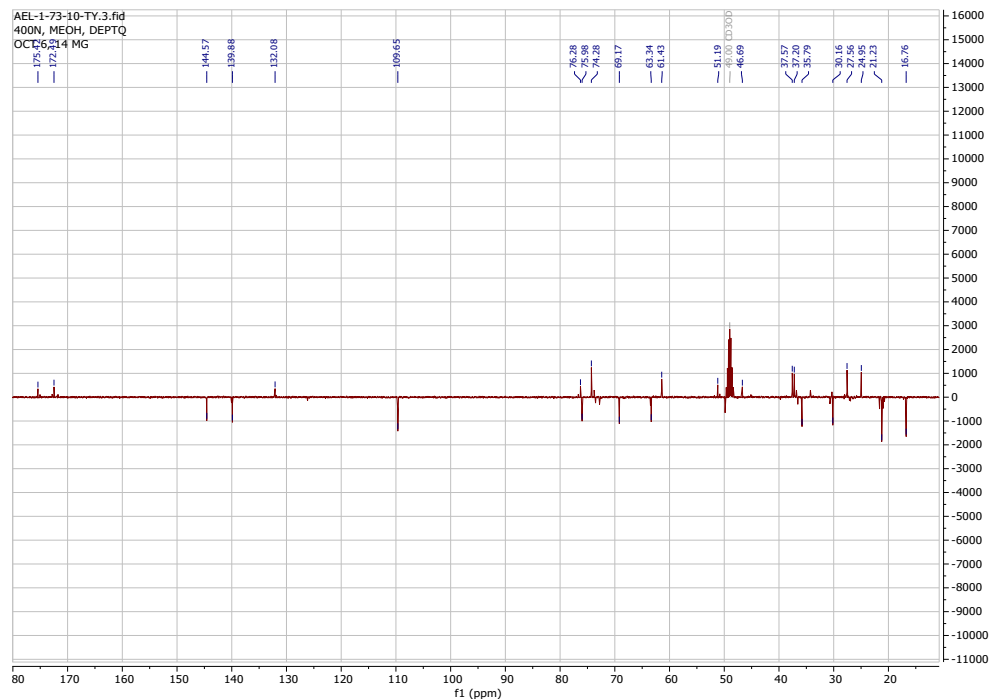


Fig. S12. ¹H-¹H COSY spectrum of compound **2** (CD₃OD, 400 MHz)

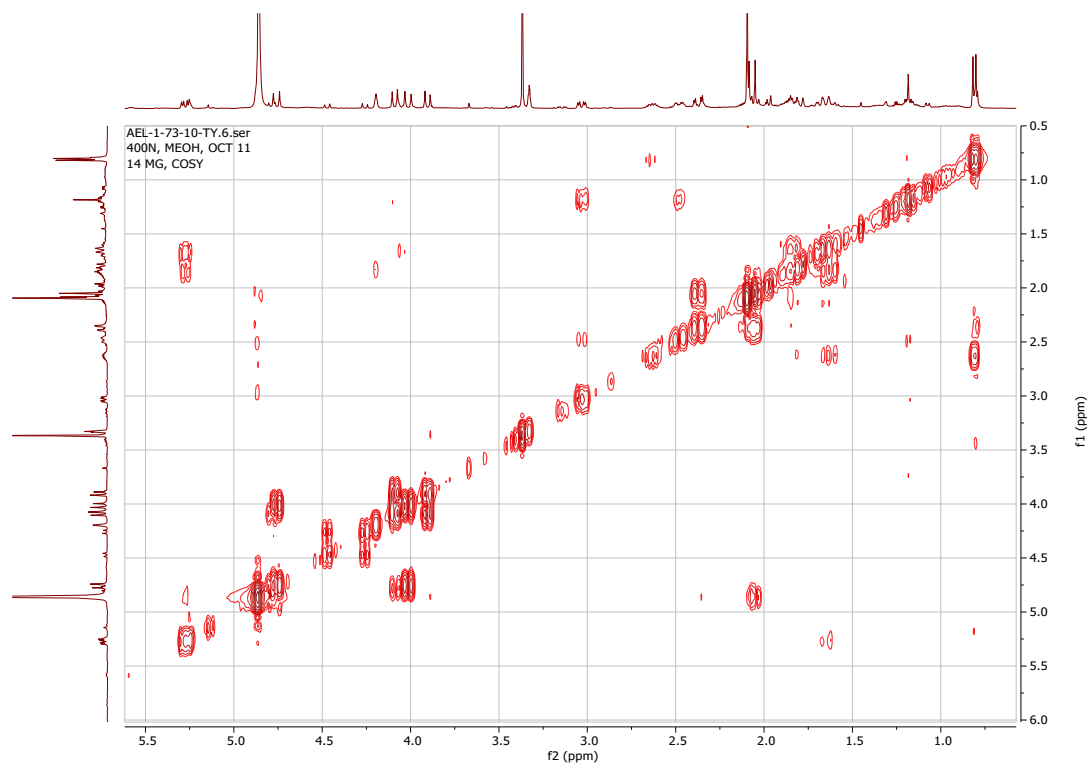


Fig. S13. HSQC spectrum of compound **2** (CD₃OD, 400 MHz)

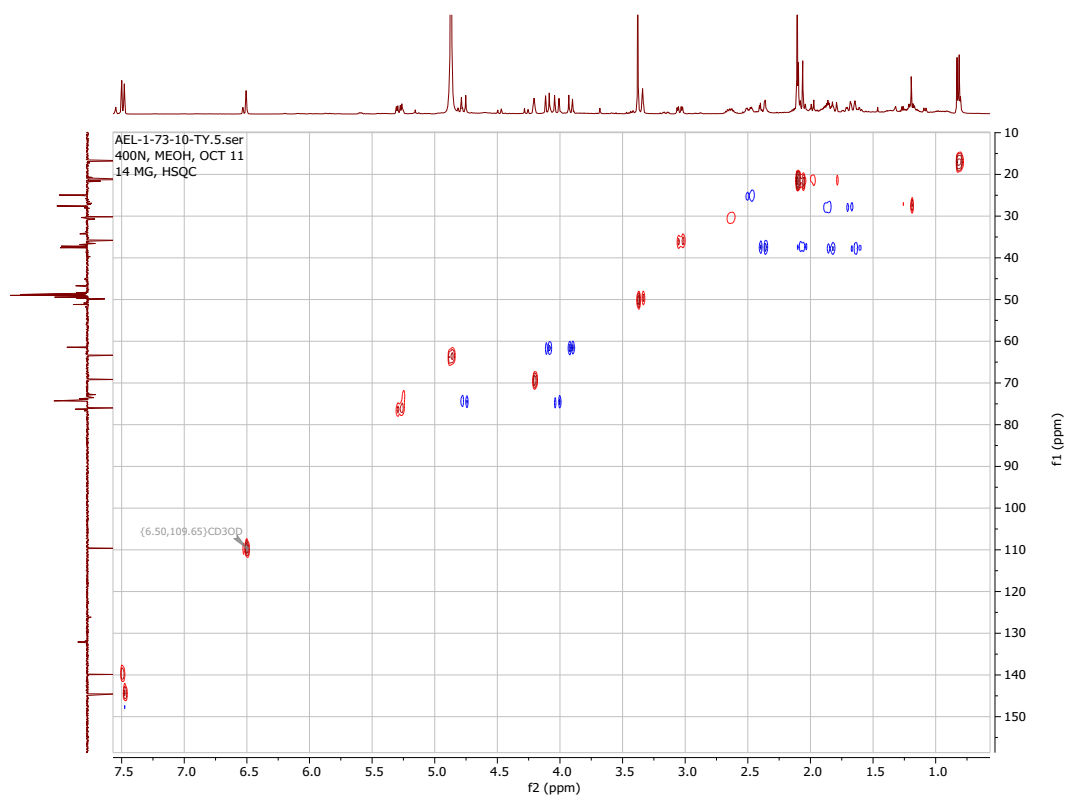


Fig. S14. HMBC spectrum of compound **2** (CD₃OD, 400 MHz)

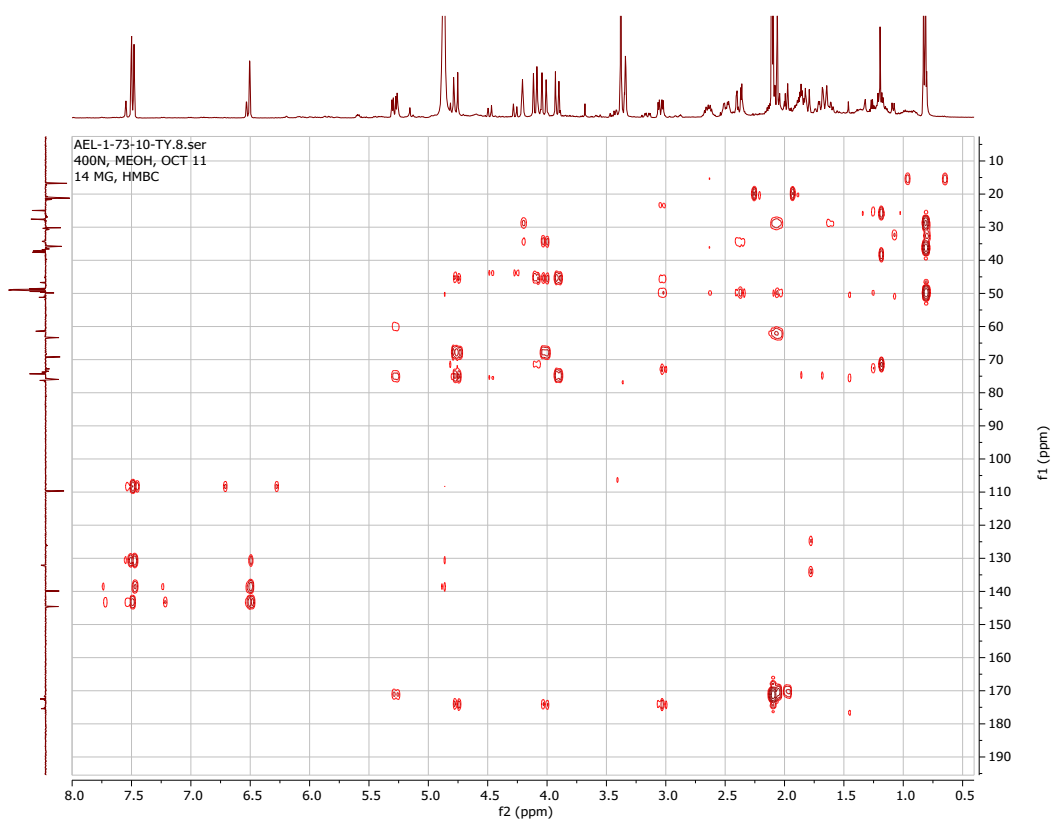


Fig. S15. NOESY spectrum of compound **2** (CD₃OD, 400 MHz)

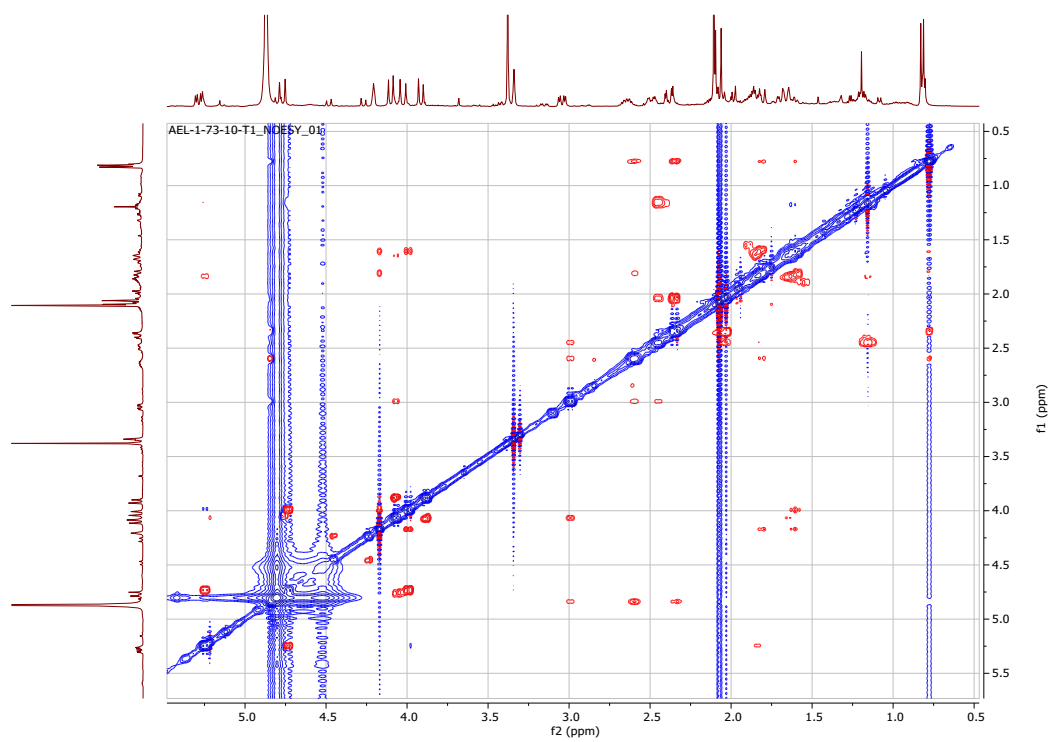


Fig. S16. IR spectrum of compound **2**

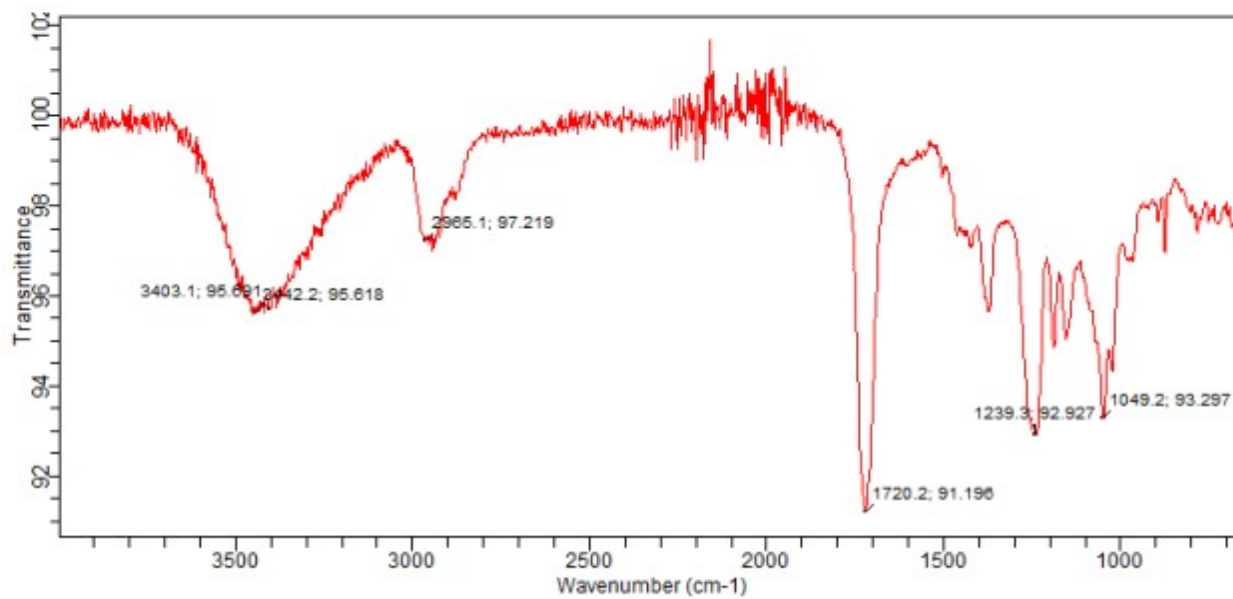


Fig. S17. HR-ESI-MS $[M-H]^-$ spectrum of compound **3**

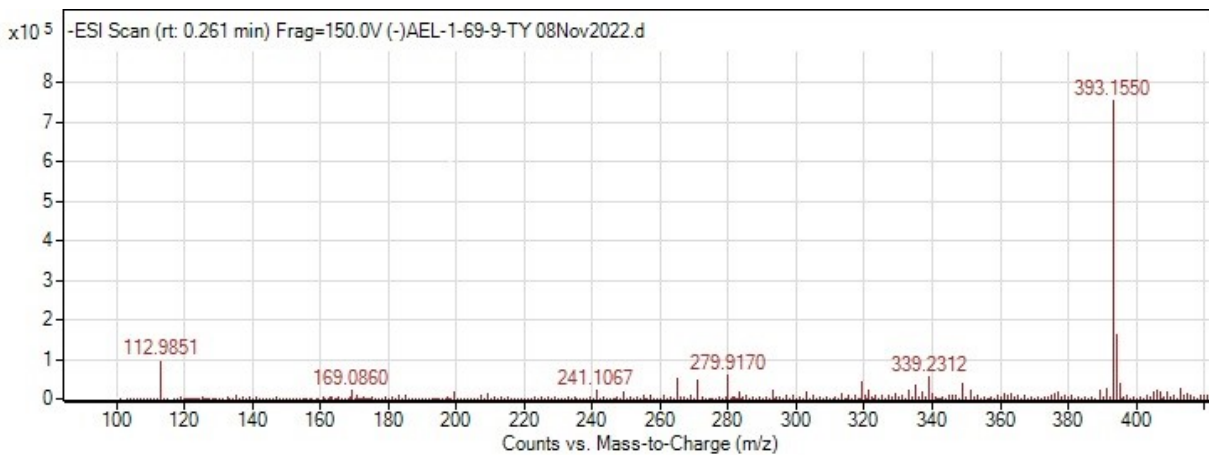


Fig. S18. 1H -NMR spectrum of compound **3** (CD_3OD , 400 MHz)

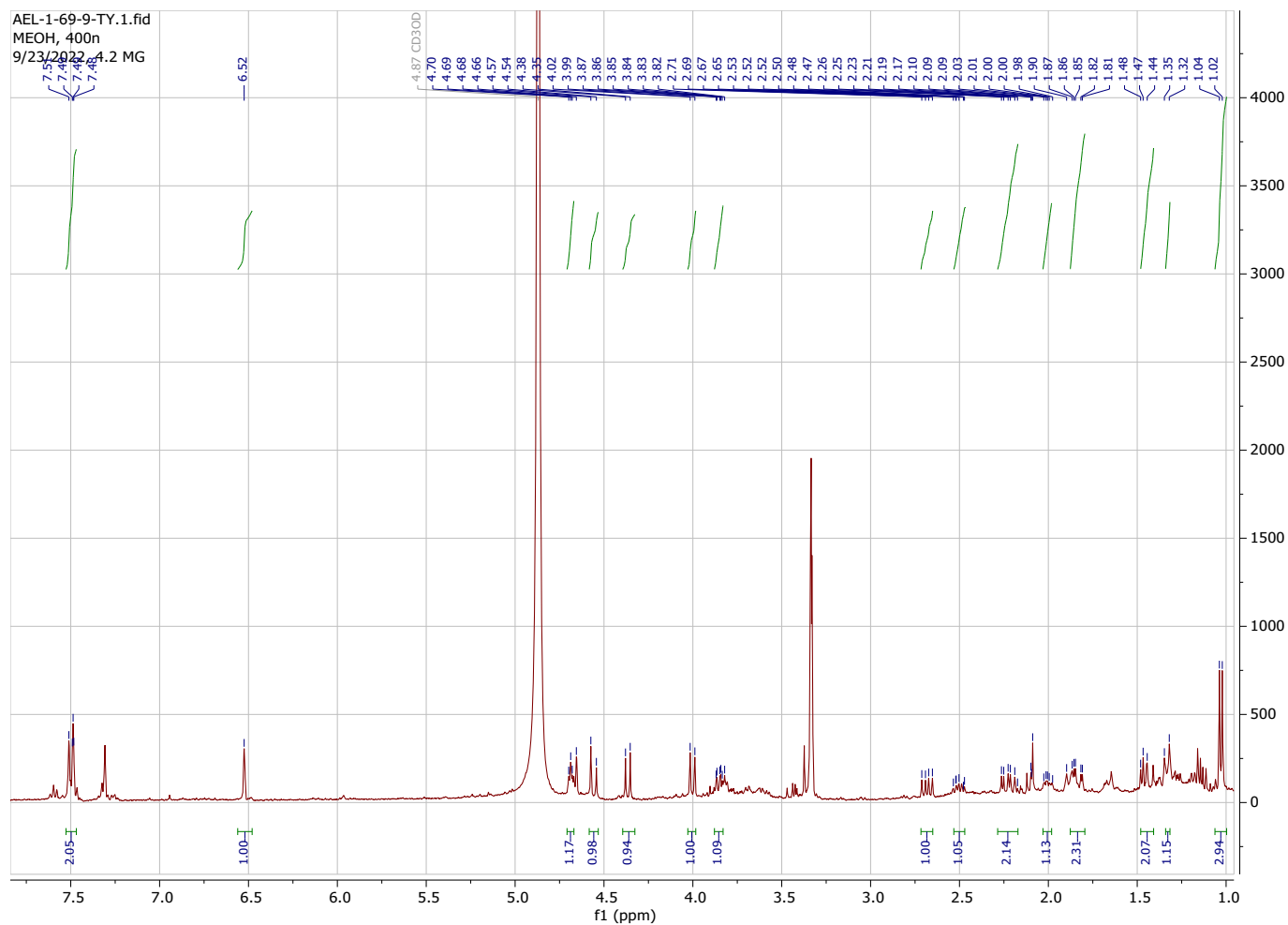


Fig. S19. DEPTQ spectrum of compound **3** (CD₃OD, 100 MHz)

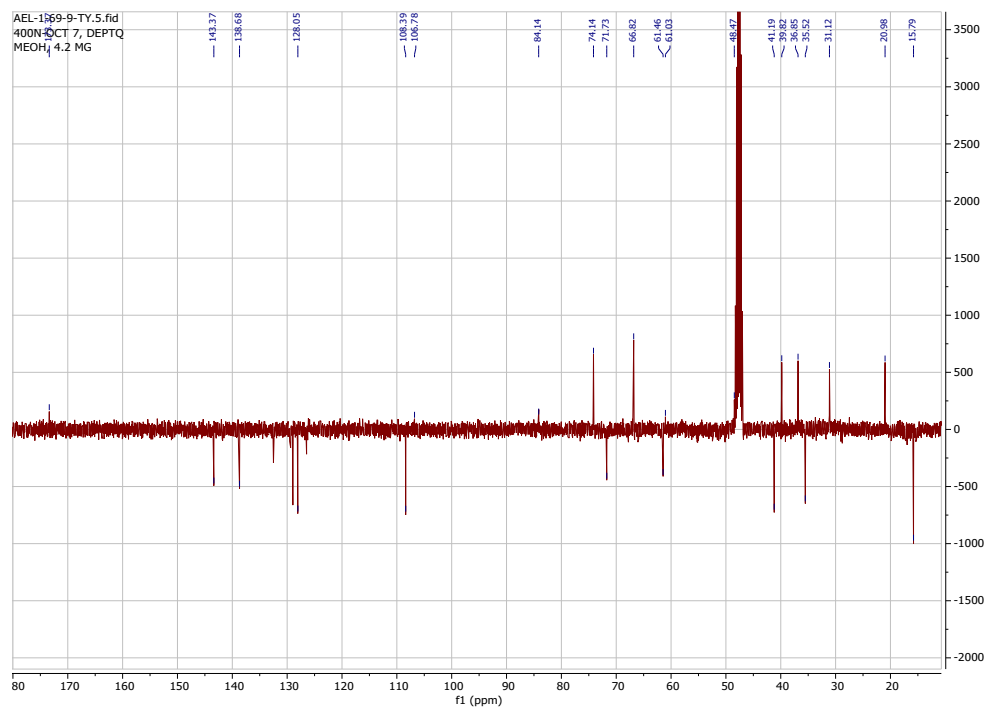


Fig. S20. ¹H-¹H COSY spectrum of compound **3** (CD₃OD, 400 MHz)

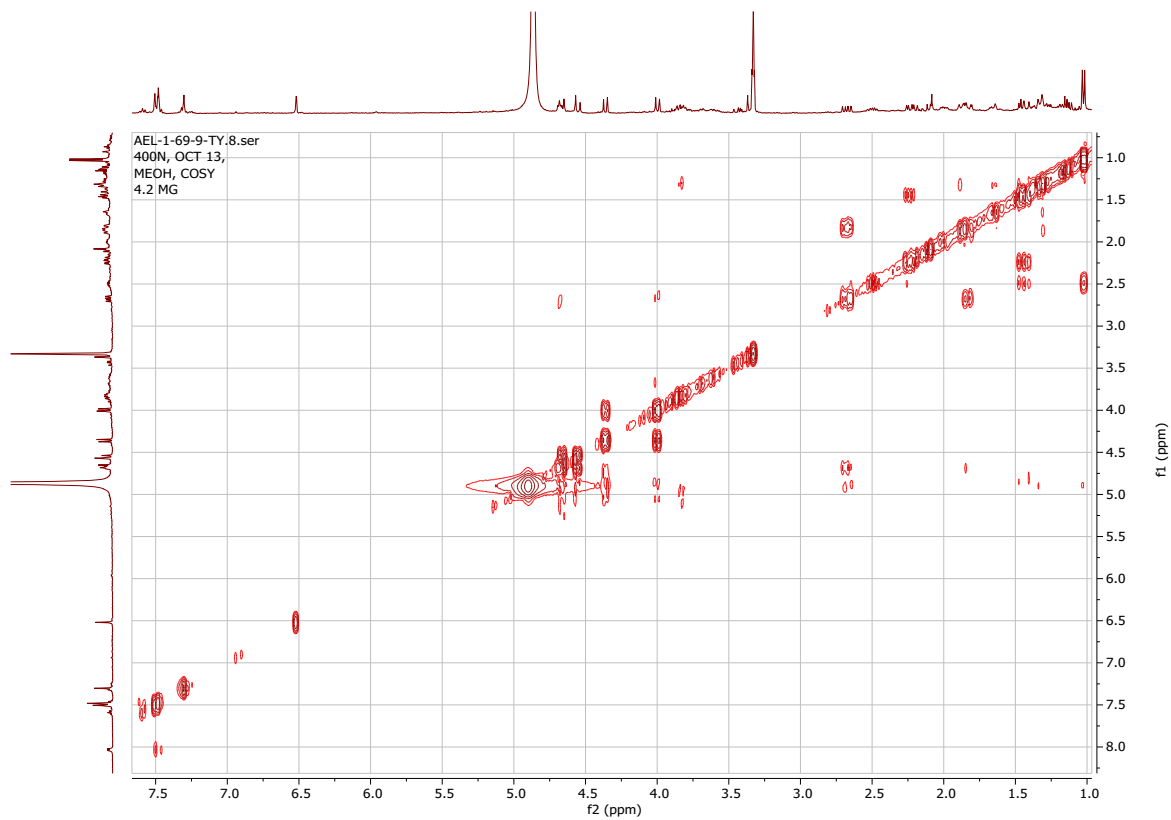


Fig. S21. HSQC spectrum of compound **3** (CD₃OD, 400 MHz)

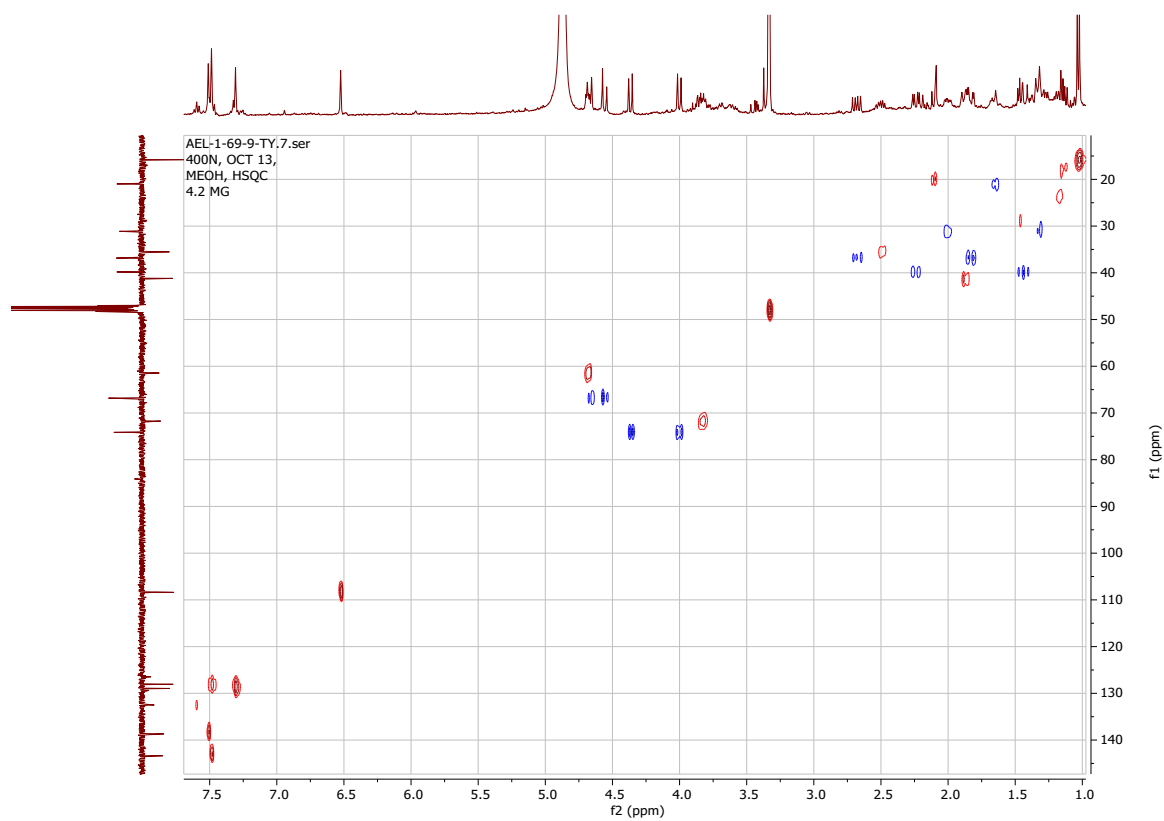


Fig. S22. HMBC spectrum of compound **3** (CD₃OD, 400 MHz)

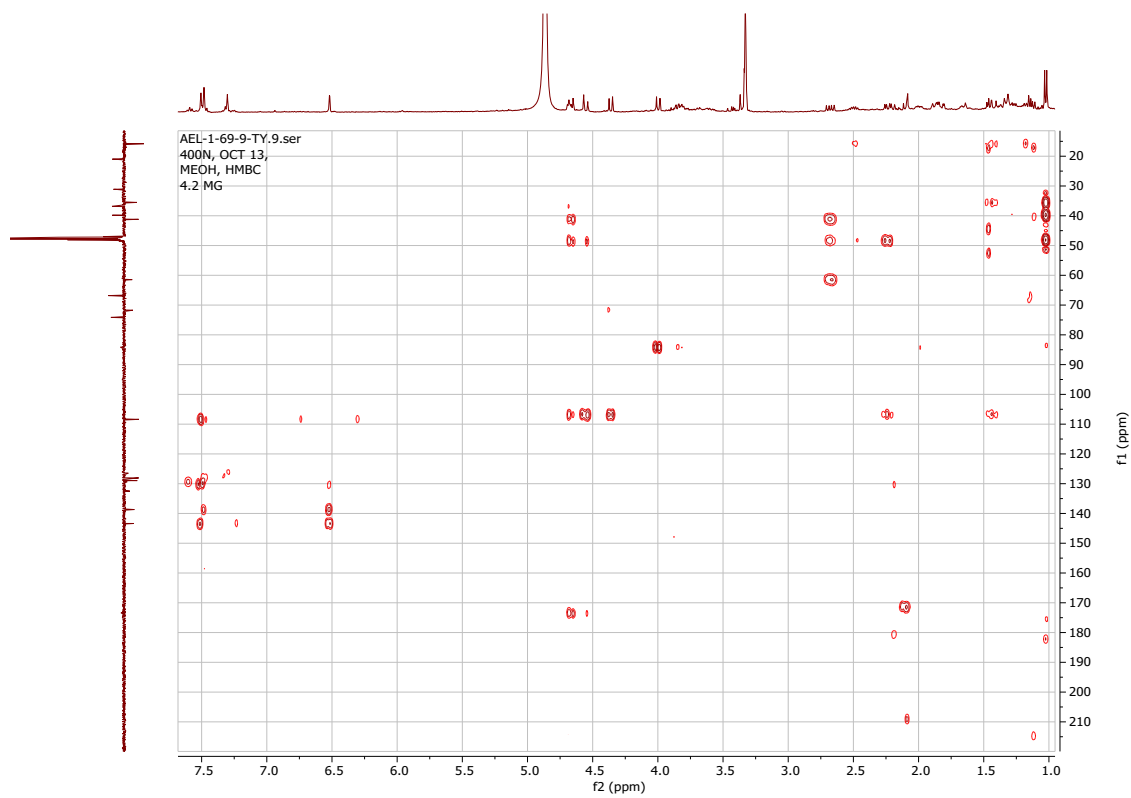


Fig. S23. HR-ESI-MS [M-H]⁻ spectrum of compound 4

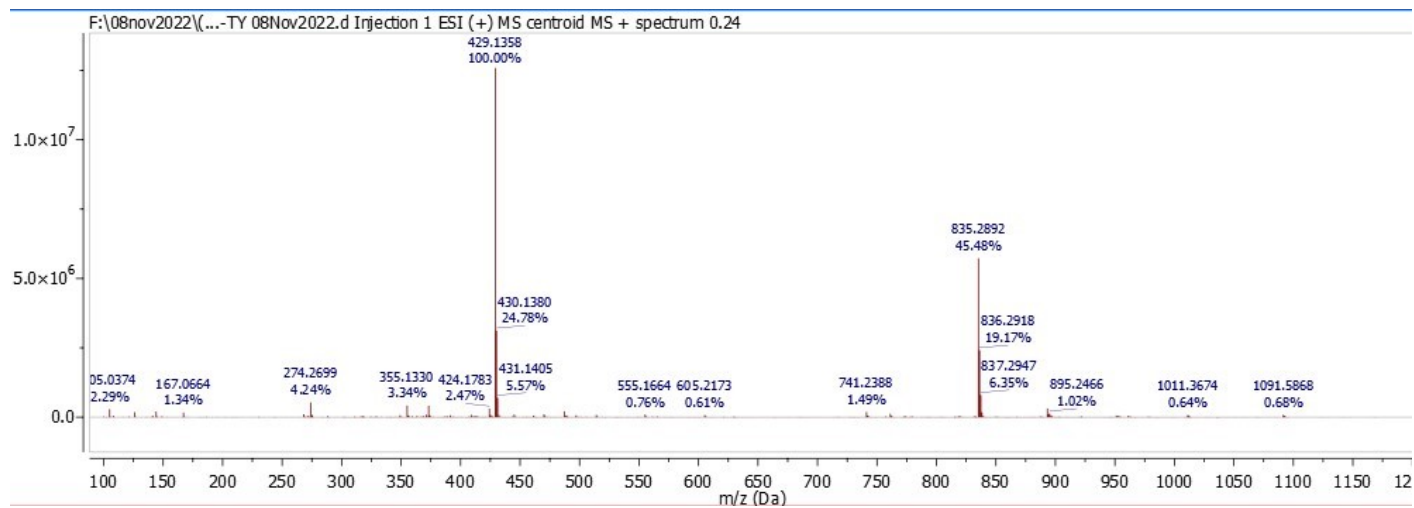


Fig. S24. ¹H-NMR spectrum of compound 4 (CD₃OD, 400 MHz)

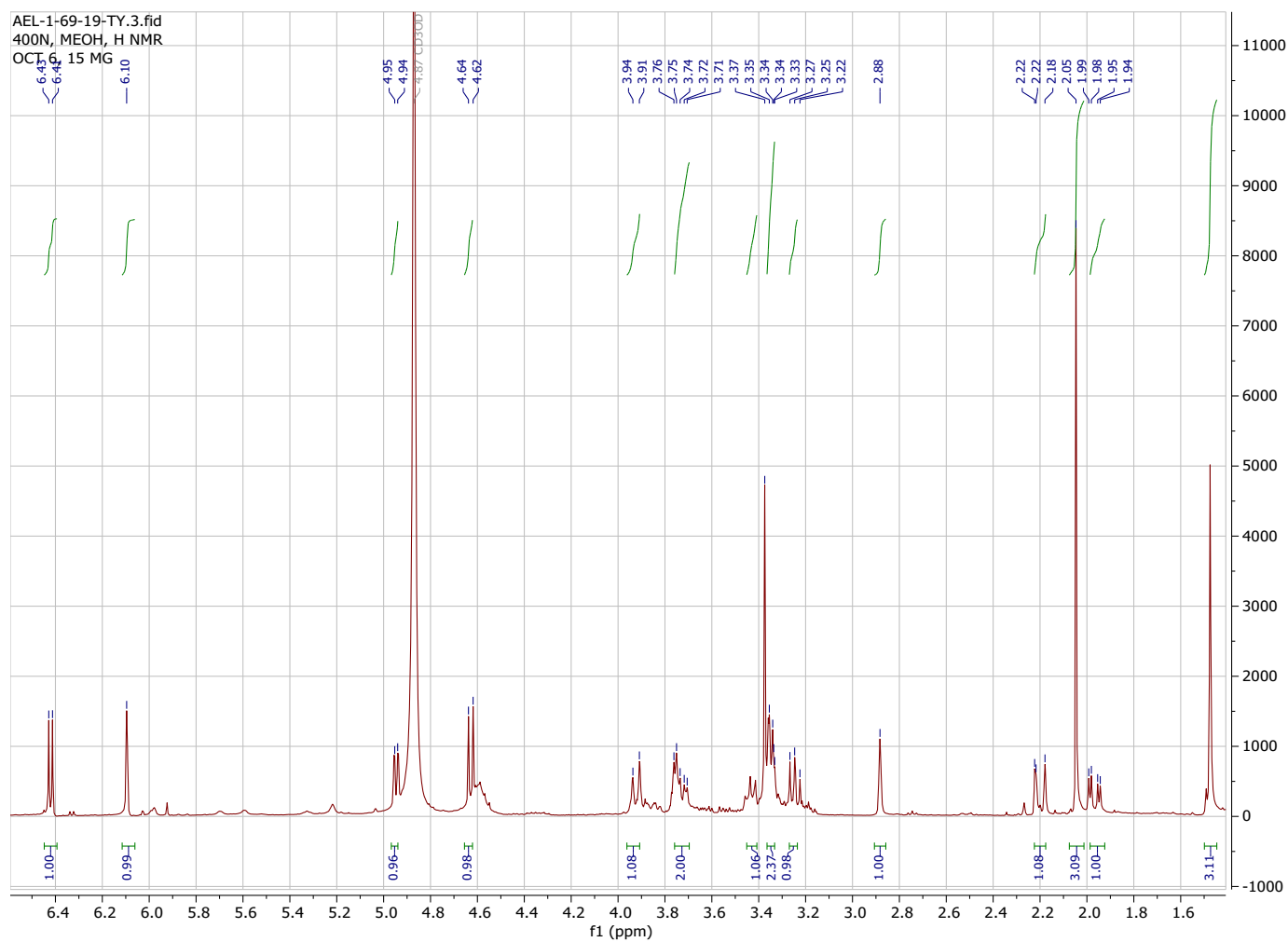


Fig. S25. DEPTQ spectrum of compound 4 (CD₃OD, 100 MHz)

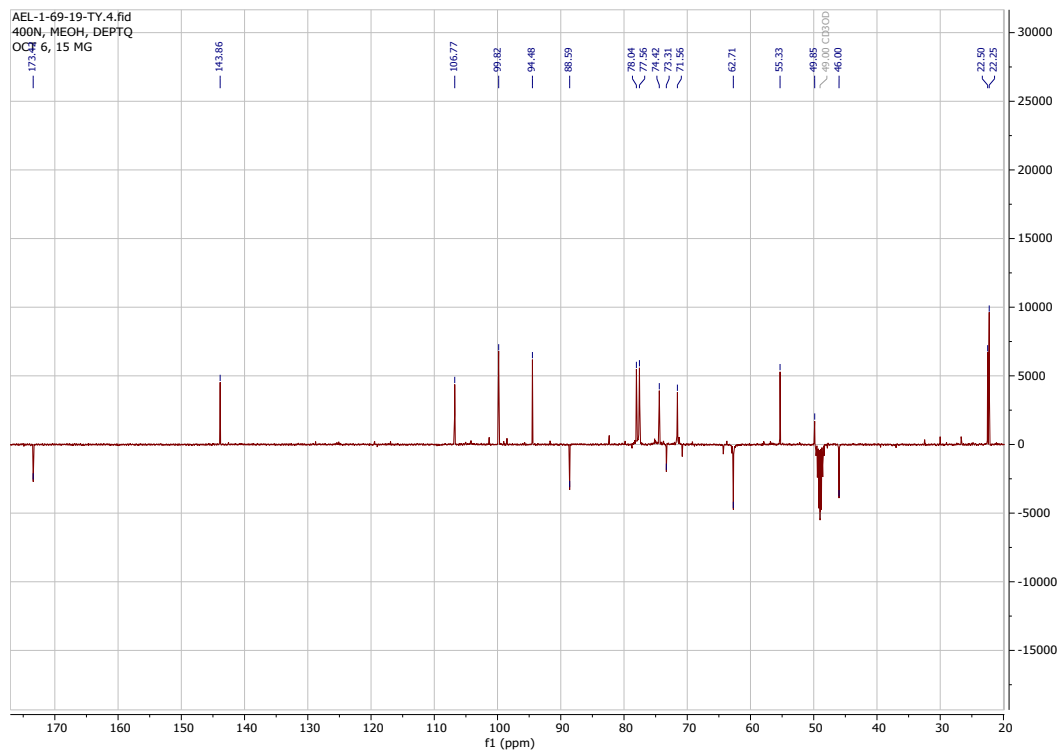


Fig. S26. HR-ESI+MS [M+Na]⁺ spectrum of compound 5

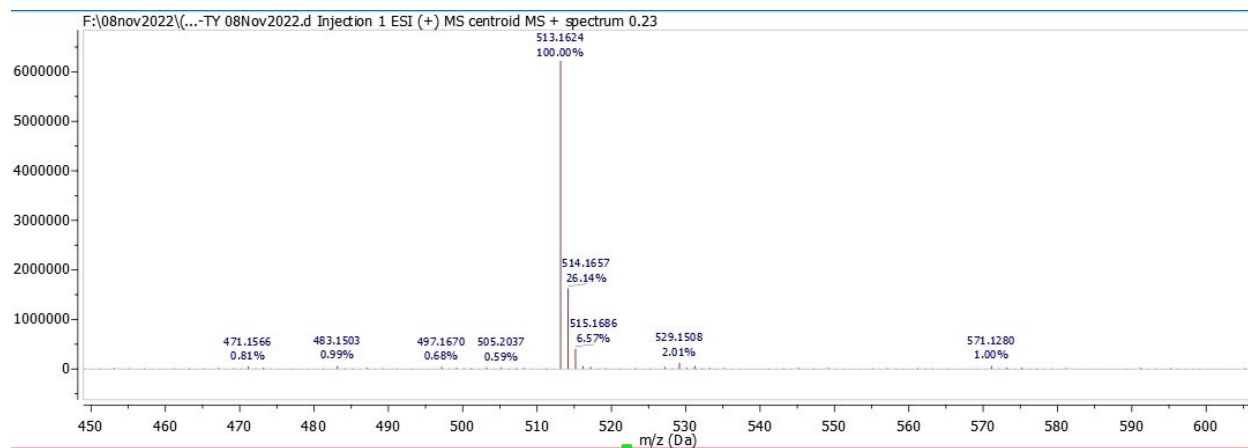


Fig. S27. $^1\text{H-NMR}$ spectrum of compound **5** (CD_3OD , 400 MHz)

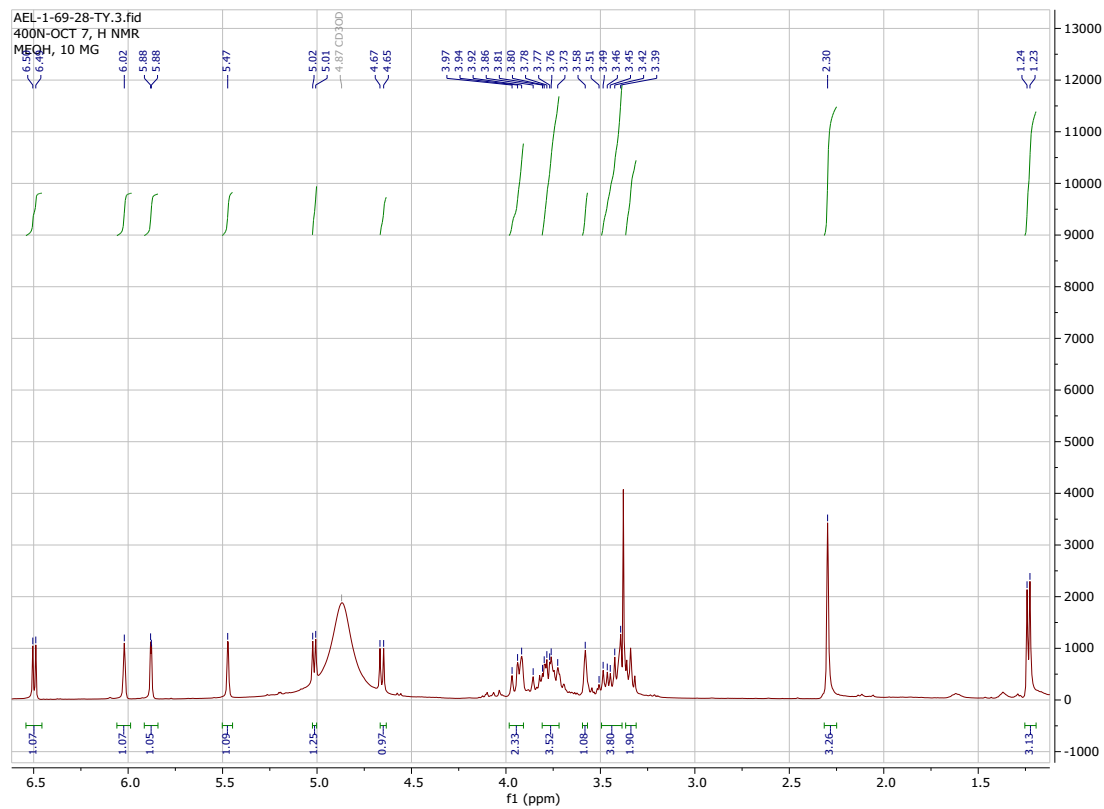


Fig. S28. DEPTQ spectrum of compound **5** (CD_3OD , 100 MHz)

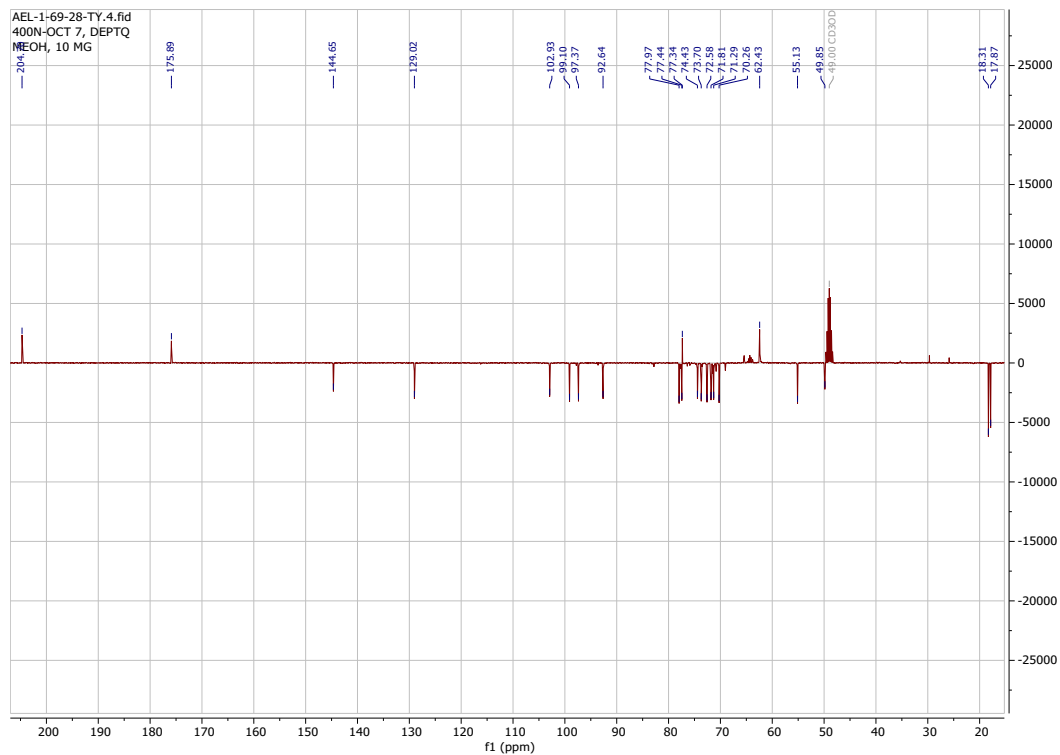


Fig. S29. ^1H - ^1H COSY spectrum of compound **5** (CD_3OD , 400 MHz)



Fig. S30. HSQC spectrum of compound **5** (CD_3OD , 400 MHz)

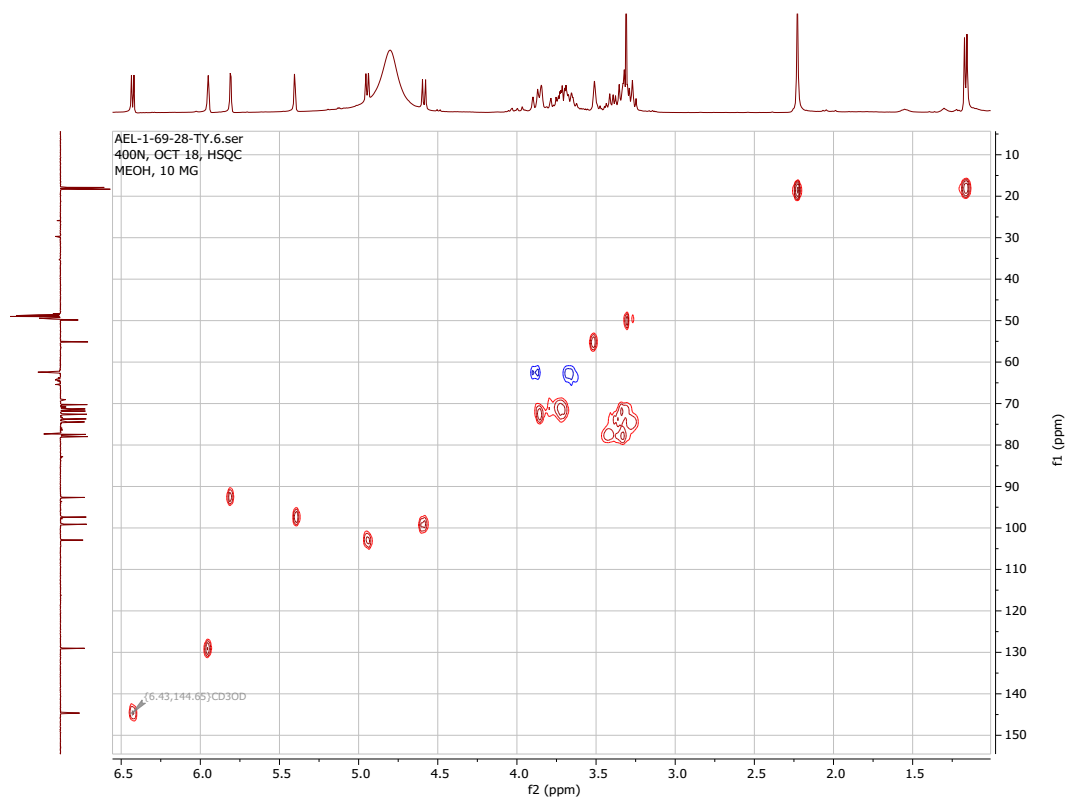


Fig. S31. HMBC spectrum of compound **5** (CD₃OD, 400 MHz)

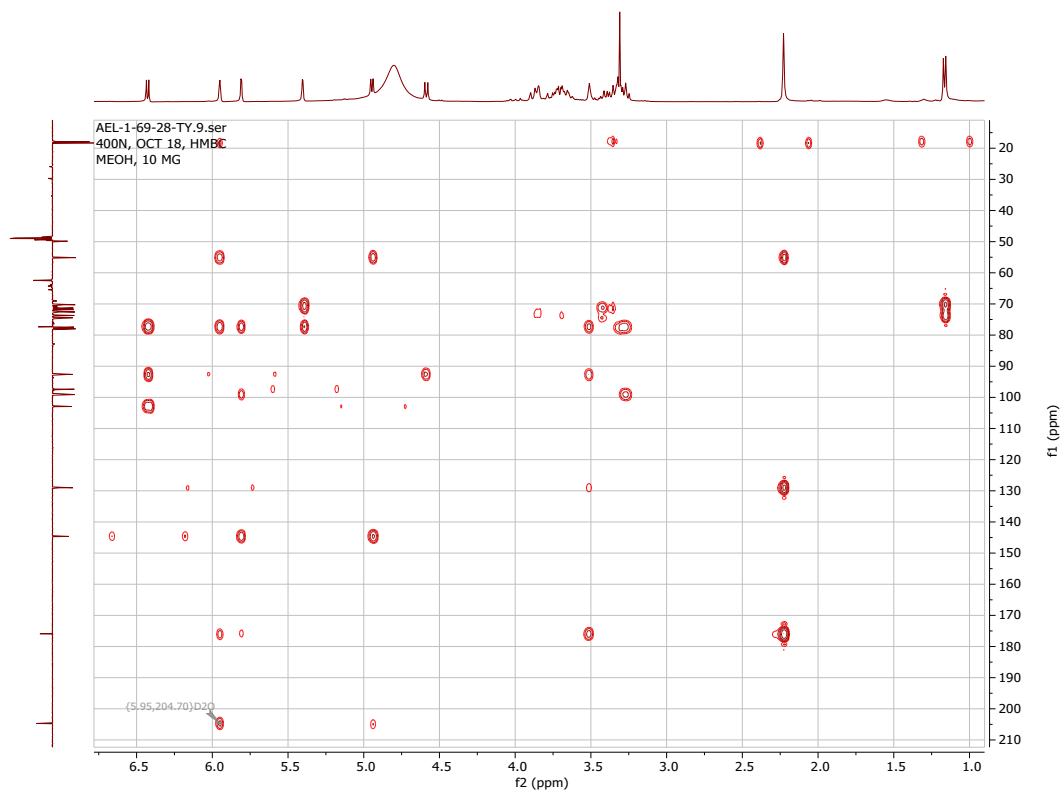


Fig. S32. Schematic isolation of compounds 1-5 from the aerial parts of *T. yemense*

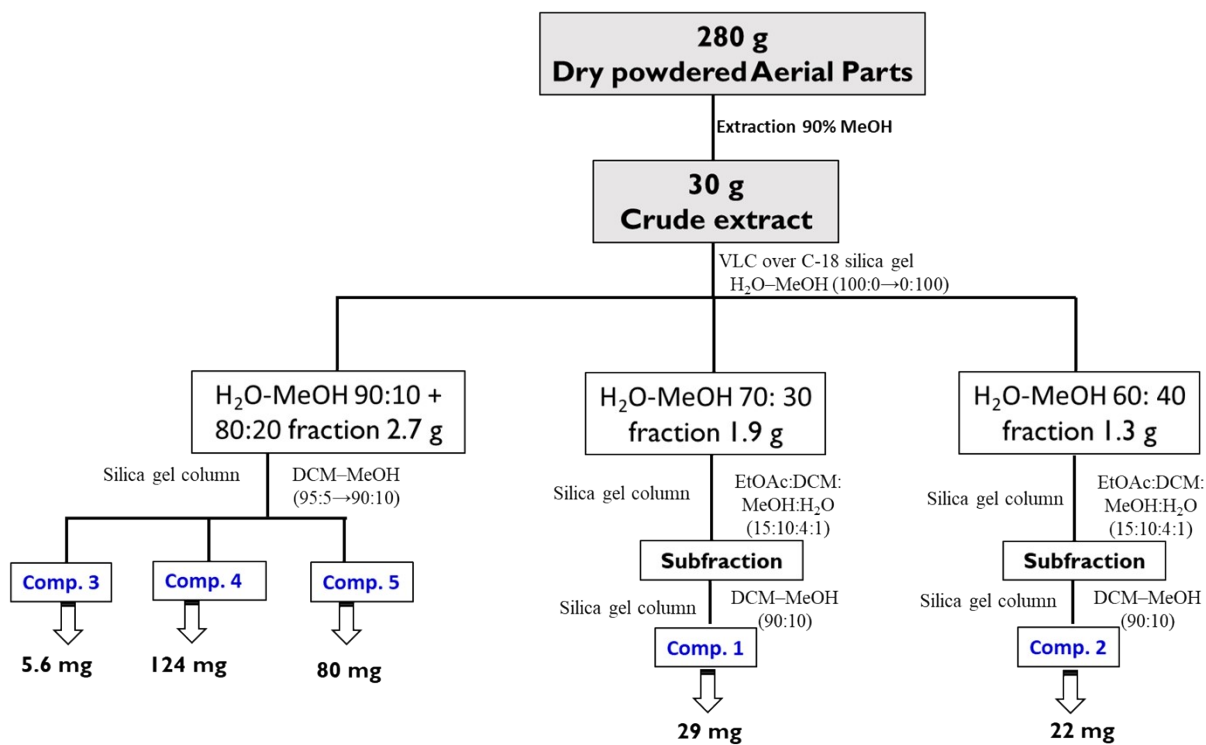


Fig. S33. HPLC chromatograms of compounds 1 and 2

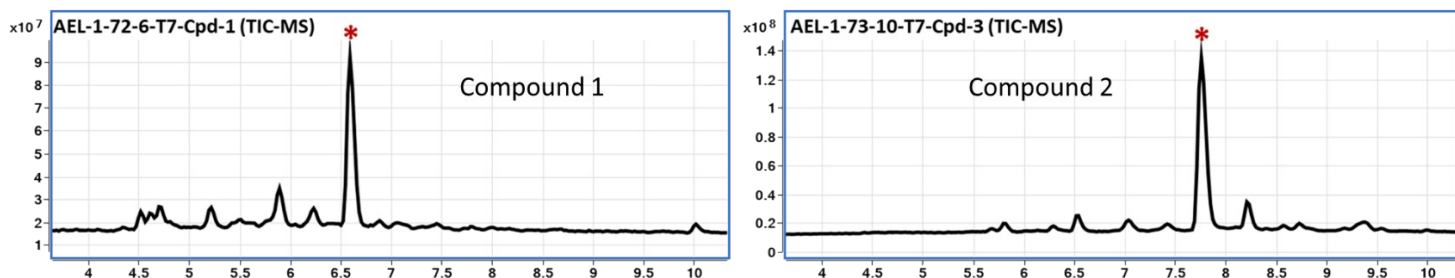


Fig. S34. Experimental ECD spectrum of compound 1

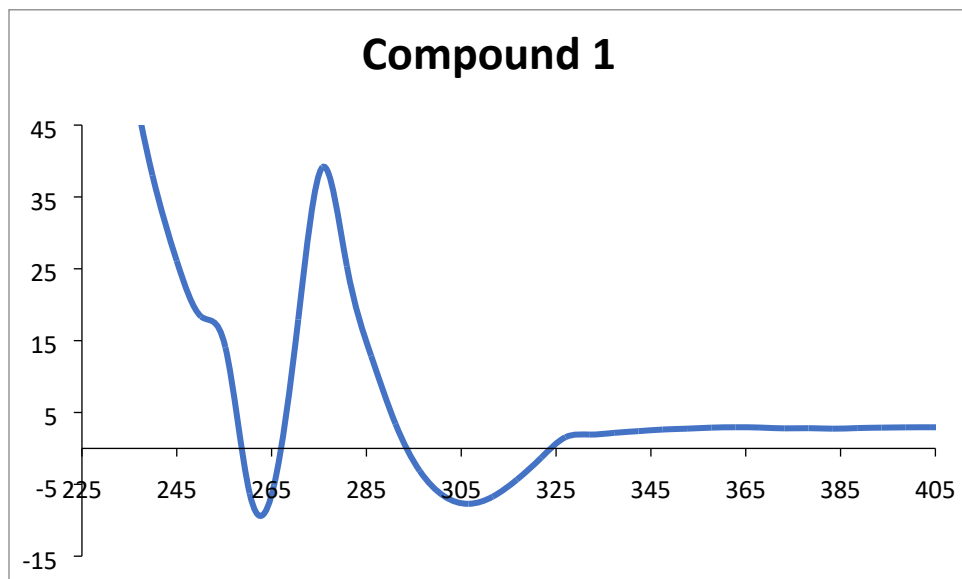


Fig. S35. Experimental ECD spectrum of compound 2

