

Supplementary Material

Labdane Diterpenoids from *Leonotis leonurus*

Hankui Wu^{a,d}, Jun Li^a, Frank R. Fronczek^e, Daneel Ferreira^{a,b}, Charles L. Burandt Jr^c, Vincent Setola^f, Bryan L. Roth^f, and Jordan K. Zjawiony^{a,b,*}

^a*Department of Pharmacognosy, School of Pharmacy, University of Mississippi, University, MS 38677-1848, USA*

^b*Research Institute of Pharmaceutical Sciences, School of Pharmacy, University of Mississippi, University, MS 38677-1848, USA*

^c*National Center for Natural Products Research, University of Mississippi, University, MS 38677-1848, USA*

^d*College of Chemistry and Chemical Engineering, Anyang Normal University, Anyang 455002, China,*

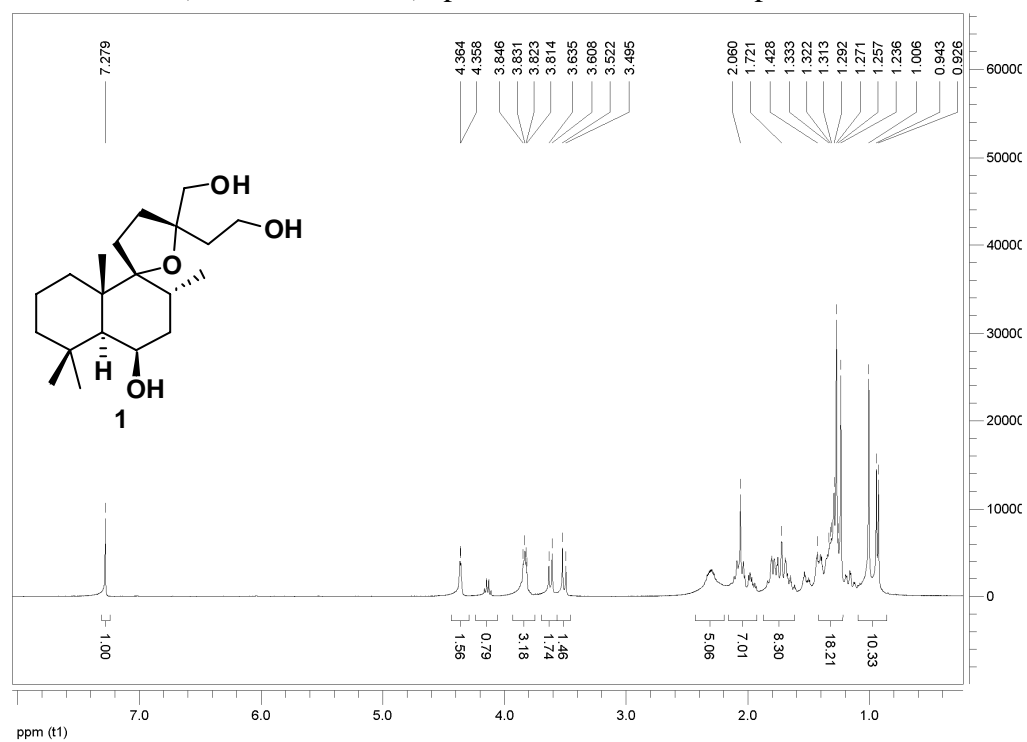
^e*Department of Chemistry, Louisiana State University, Baton Rouge, LA 70803-1804, USA*

^f*Department of Pharmacology, School of Medicine and NIMH Psychoactive drug Screening Program, University of North Carolina, Chapel Hill, NC 27599, USA*

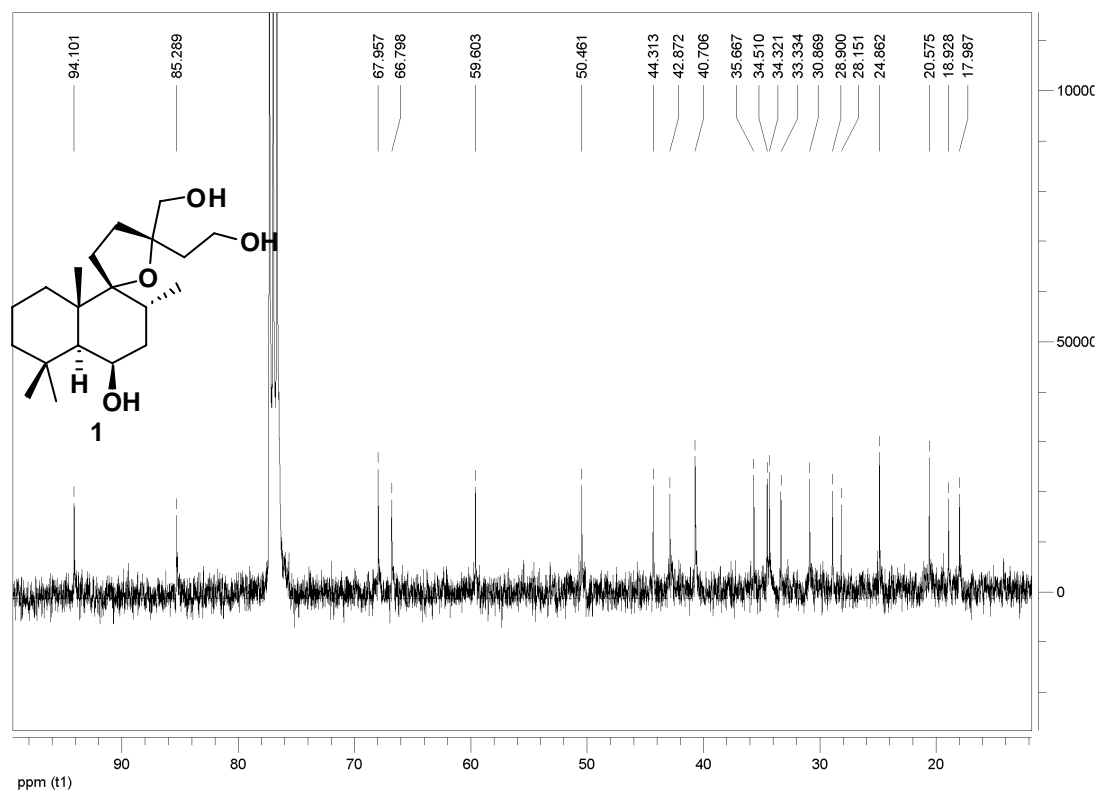
*To whom correspondence should be addressed. Tel: +1 662 915 7290. Fax: +1 662 915 6975. E-mail address: jordan@olemiss.edu

- S1. ¹H NMR (400 MHz, CDCl₃) spectrum of the new compound **1**
- S2. ¹³C NMR (100 MHz, CDCl₃) spectrum of **1**
- S3. DEPT135 spectrum of **1**
- S4. ¹H NMR (400 MHz, CDCl₃) spectrum of the new compound **2**
- S5. ¹³C NMR (100 MHz, CDCl₃) spectrum of the new compound **2**
- S6. DEPT135 spectrum of **2**
- S7. ¹H NMR (400 MHz, CDCl₃) spectrum of the new compound **3**
- S8. ¹³C NMR (100 MHz, CDCl₃) spectrum of the new compound **3**
- S9. DEPT135 spectrum of **3**
- S10. ¹H NMR (400 MHz, CDCl₃) spectrum of the new compound **4**
- S11. ¹³C NMR (100 MHz, CDCl₃) spectrum of the new compound **4**
- S12. DEPT135 spectrum of **4**
- S13. ¹H NMR (400 MHz, CDCl₃) spectrum of the new compound **5**
- S14. ¹³C NMR (100 MHz, CDCl₃) spectrum of the new compound **5**
- S15. DEPT135 spectrum of **5**
- S16. ¹H NMR (400 MHz, CDCl₃) spectrum of the new compound **6**
- S17. ¹³C NMR (100 MHz, CDCl₃) spectrum of the new compound **6**
- S18. DEPT135 spectrum of **6**
- S19. ¹H NMR (400 MHz, CDCl₃) spectrum of the new compound **7**
- S20. ¹³C NMR (100 MHz, CDCl₃) spectrum of the new compound **7**
- S21. DEPT135 spectrum of **7**
- S22. ¹H NMR (400 MHz, CDCl₃) spectrum of the new compound **8**
- S23. ¹³C NMR (100 MHz, CDCl₃) spectrum of the new compound **8**
- S24. DEPT135 spectrum of **8**
- S25. ¹H NMR (400 MHz, CDCl₃) spectrum of compound **9**
- S26. ¹³C NMR (100 MHz, CDCl₃) spectrum of compound **9**
- S27. DEPT135 spectrum of **9**
- S28. ¹H NMR (400 MHz, CDCl₃) spectrum of compound **10**
- S29. ¹³C NMR (100 MHz, CDCl₃) spectrum of compound **10**
- S30. DEPT135 spectrum of **10**
- S31. ¹H NMR (400 MHz, CDCl₃) spectrum of compound **11**
- S32. ¹³C NMR (100 MHz, CDCl₃) spectrum of compound **11**
- S33. DEPT135 spectrum of **11**

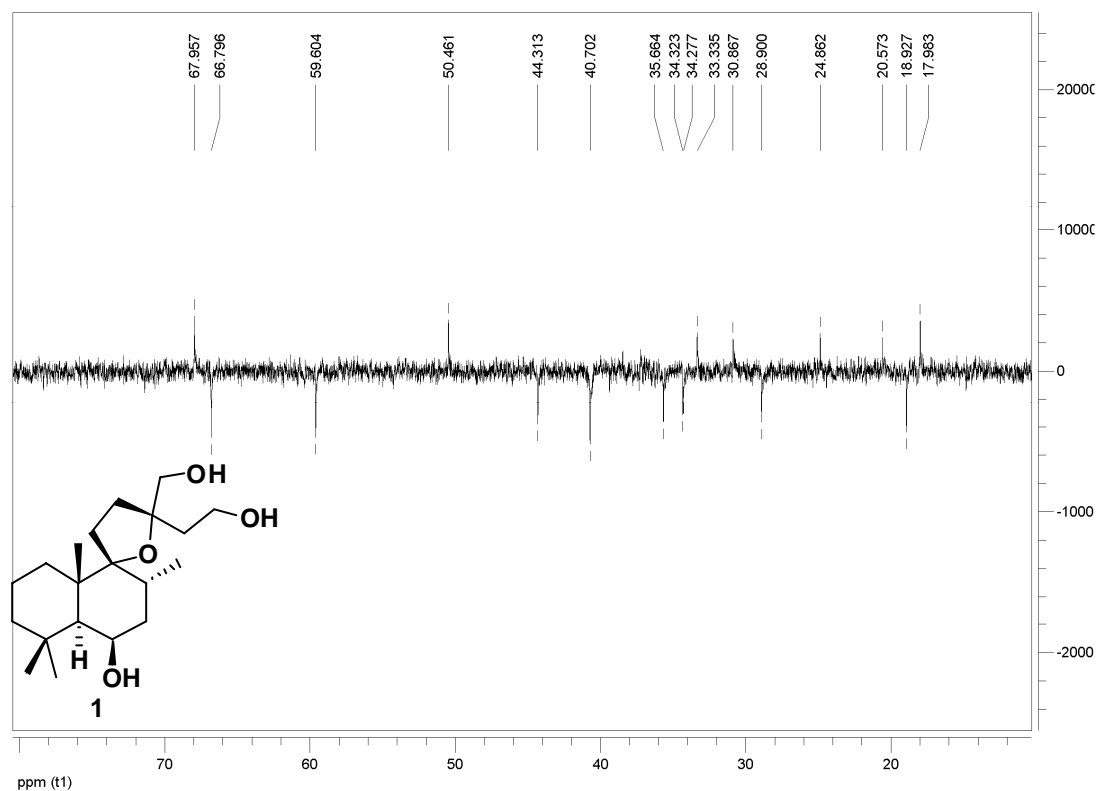
S1. ^1H NMR (400 MHz, CDCl_3) spectrum of the new compound **1**



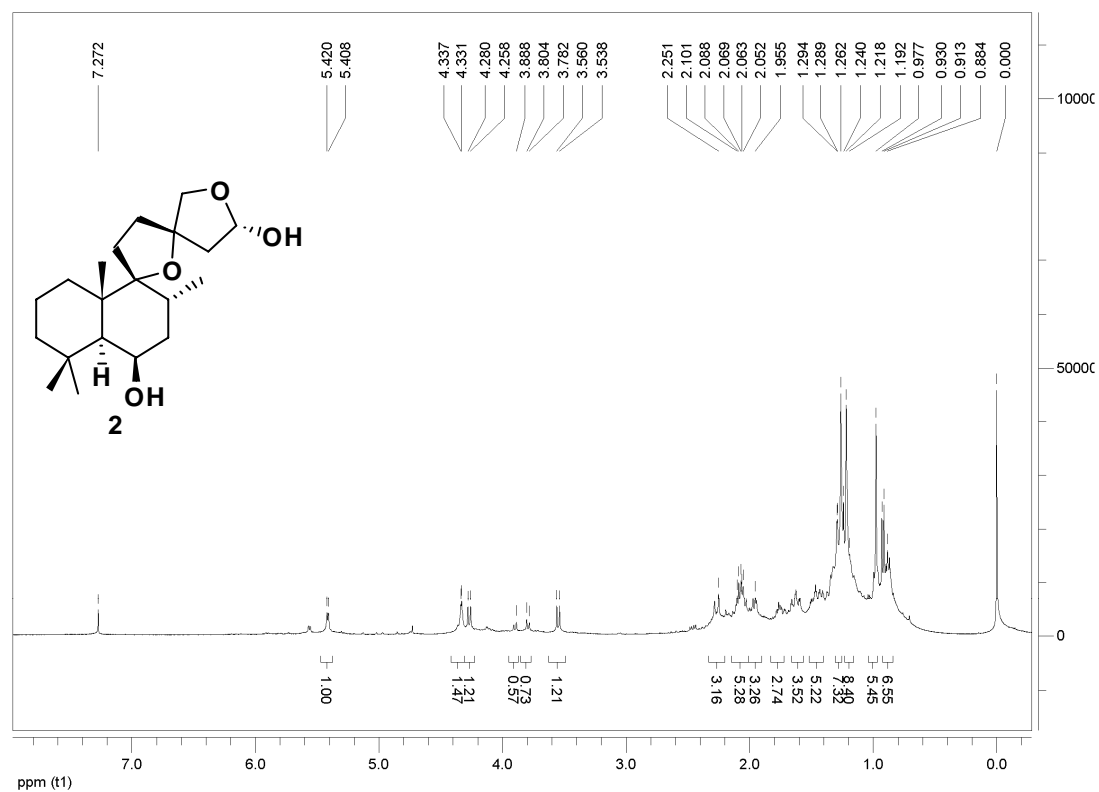
S2. ^{13}C NMR (100 MHz, CDCl_3) spectrum of the new compound **1**



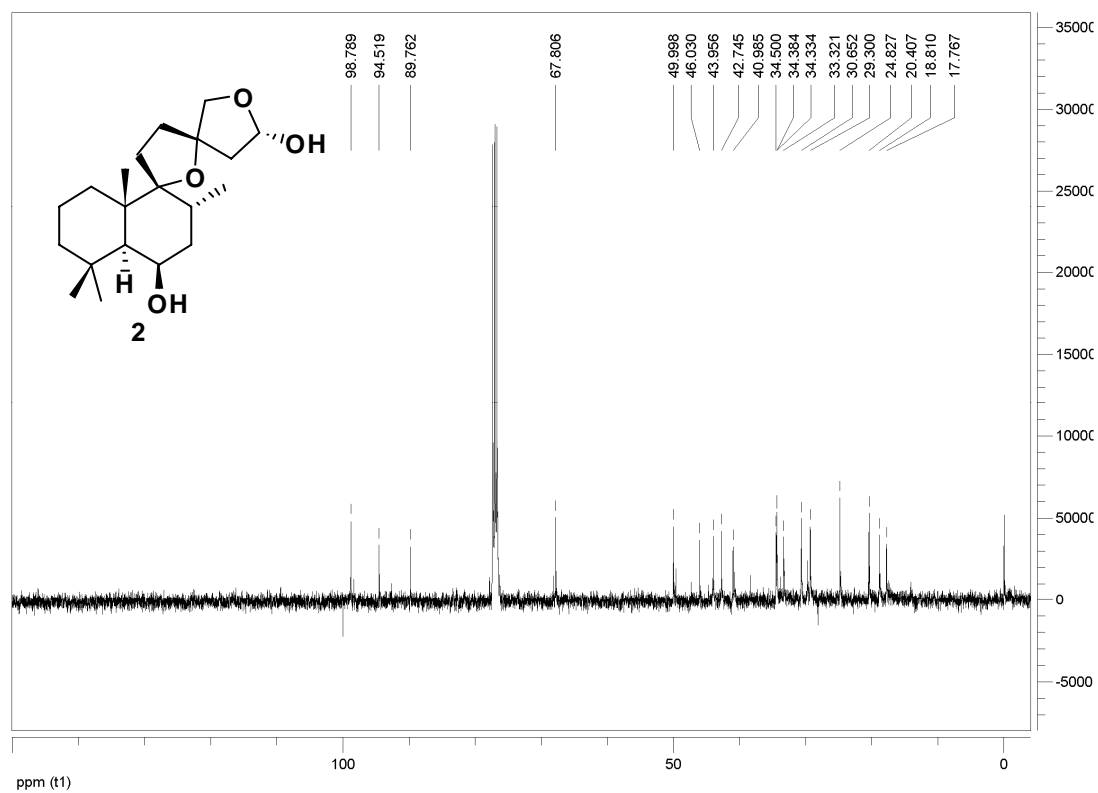
S3. DEPT135 spectrum of **1**



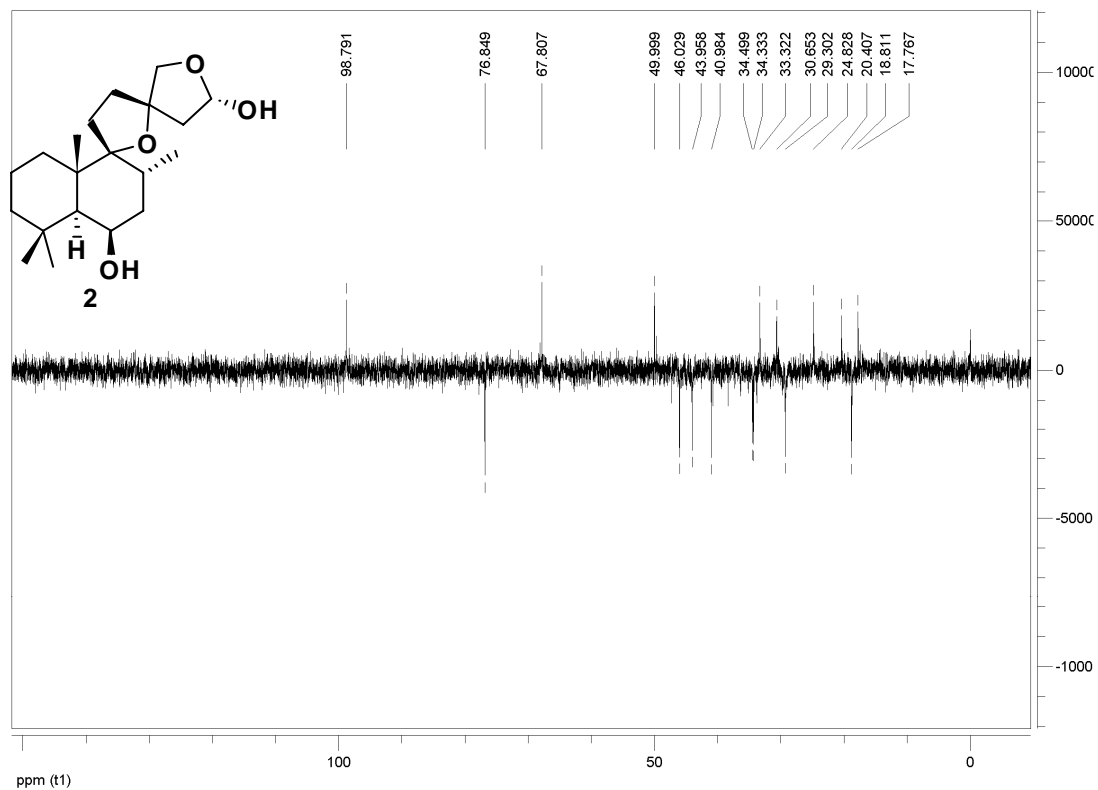
S4. ^1H NMR (400 MHz, CDCl_3) spectrum of the new compound **2**



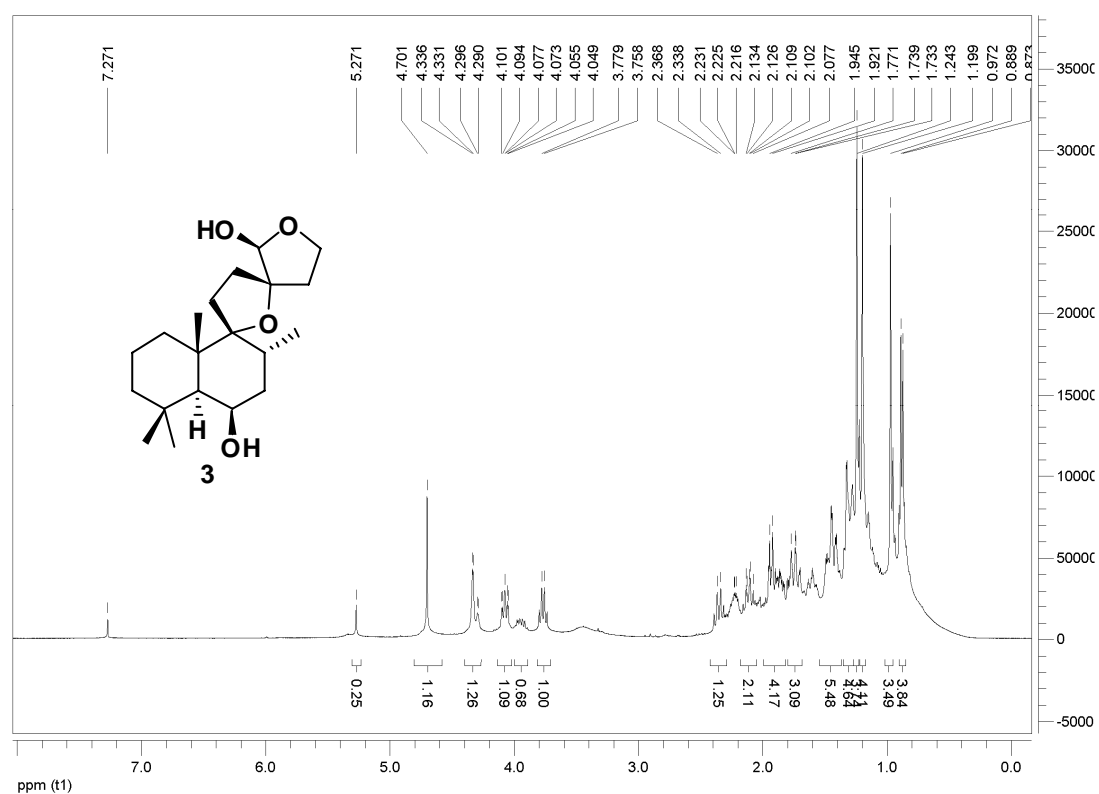
S5. ^{13}C NMR (100 MHz, CDCl_3) spectrum of the new compound **2**



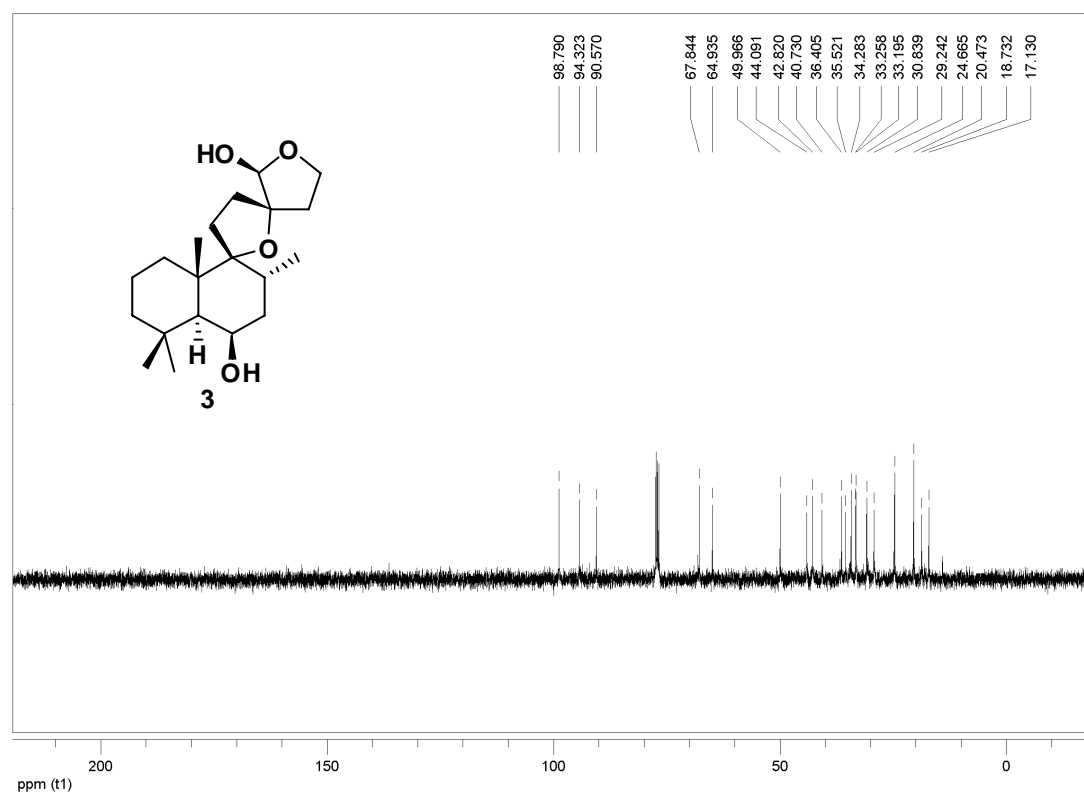
S6. DEPT135 spectrum of **2**



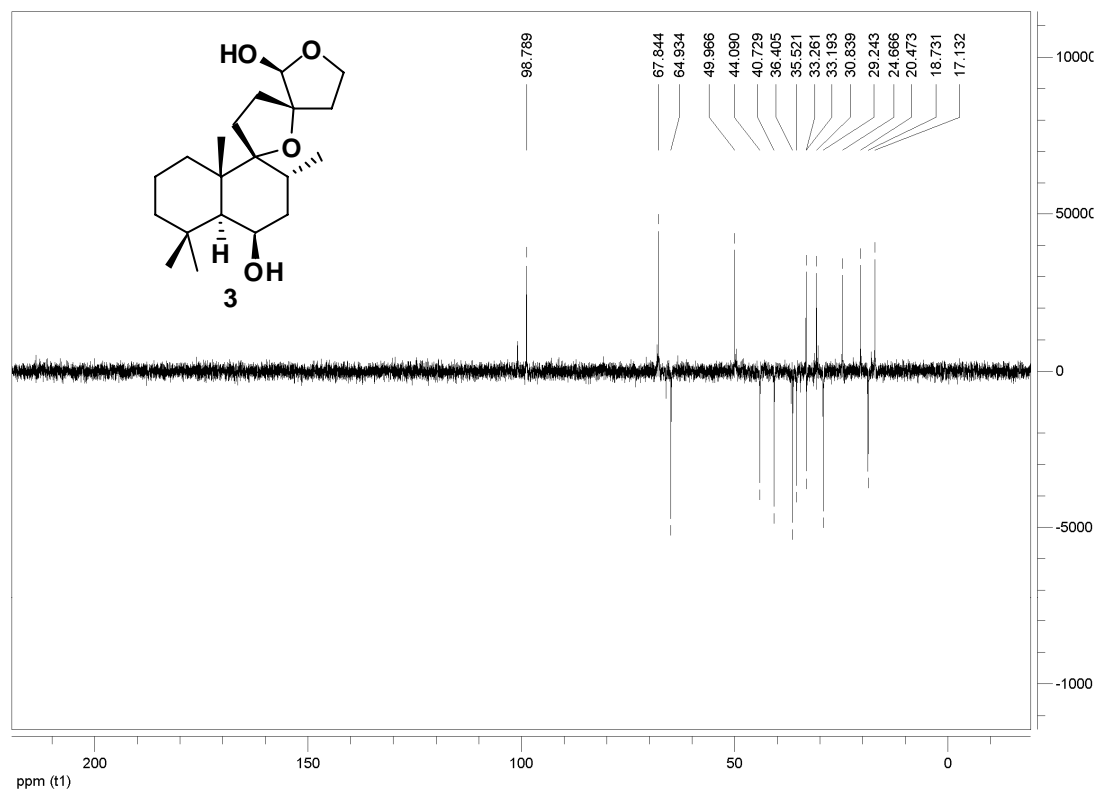
S7. ^1H NMR (400 MHz, CDCl_3) spectrum of the new compound **3**



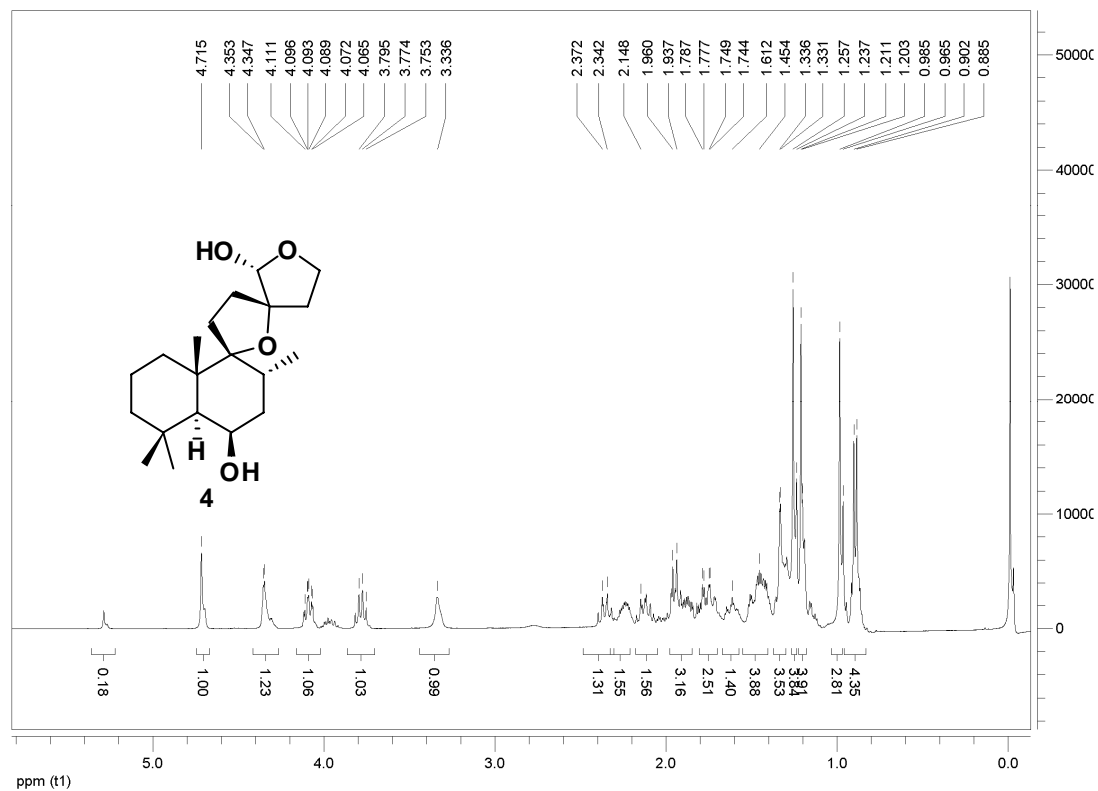
S8. ^{13}C NMR (100 MHz, CDCl_3) spectrum of the new compound **3**



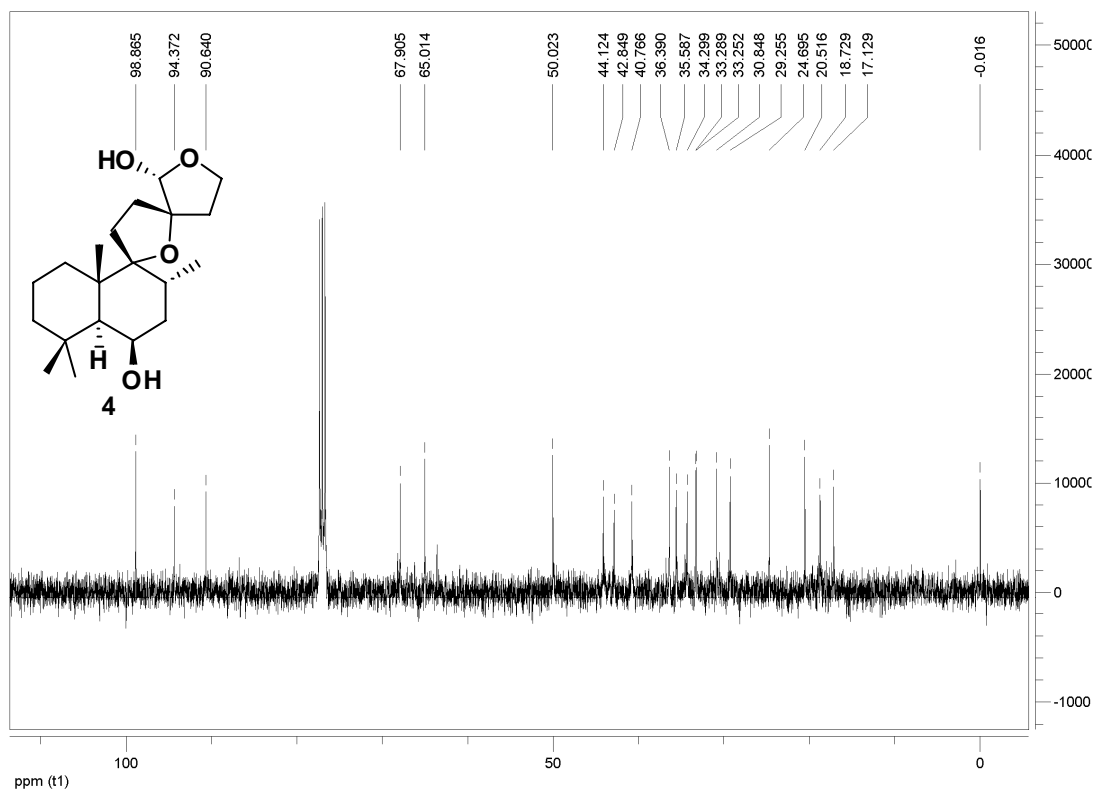
S9. DEPT135 spectrum of **3**



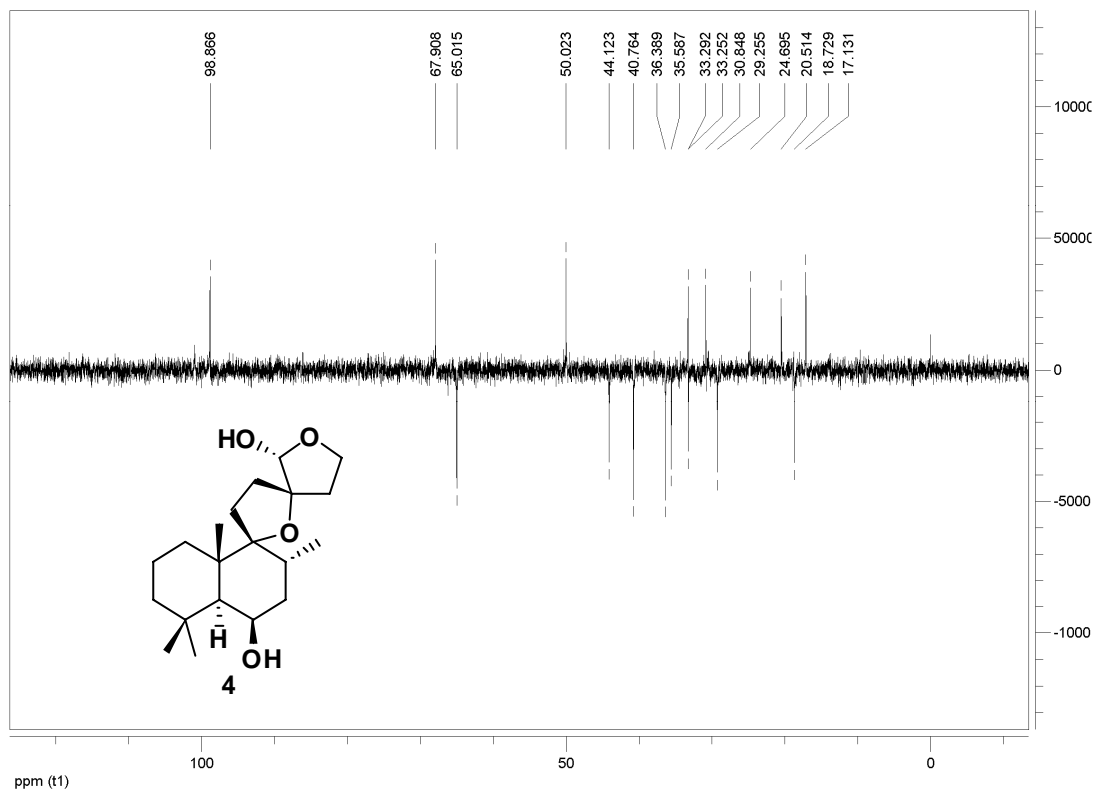
S10. ^1H NMR (400 MHz, CDCl_3) spectrum of the new compound **4**



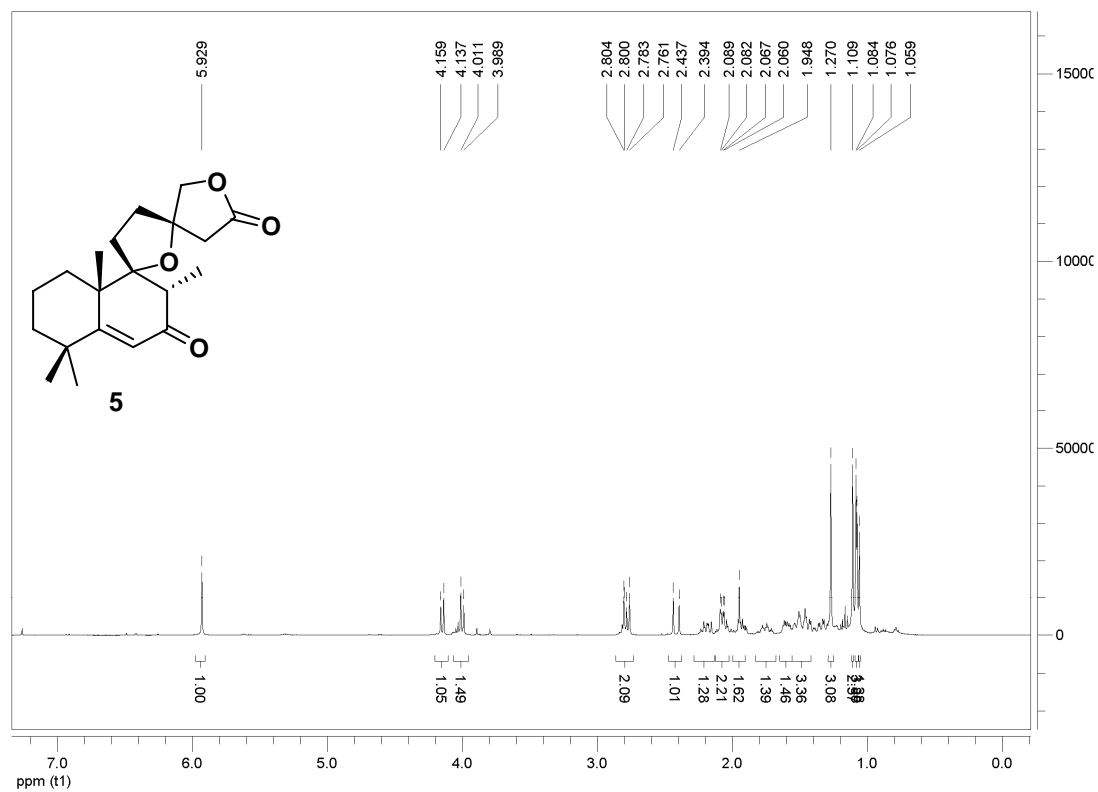
S11. ^{13}C NMR (100 MHz, CDCl_3) spectrum of the new compound **4**



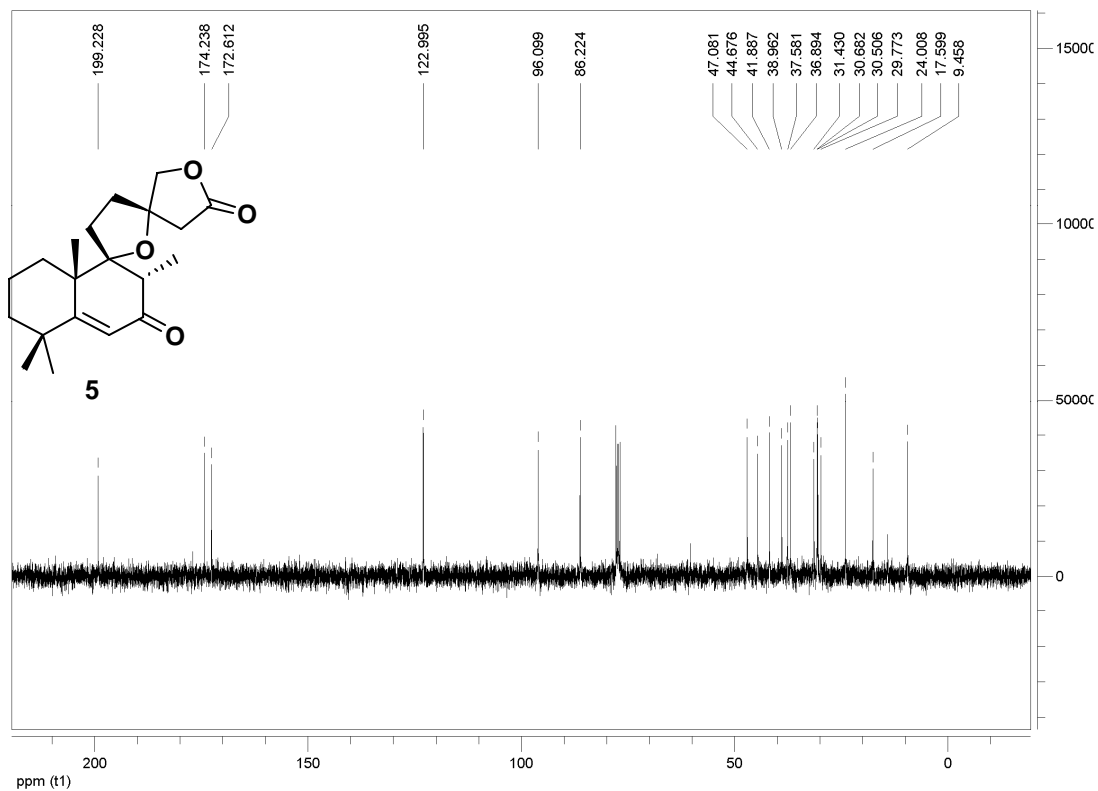
S12. DEPT135 spectrum of **4**



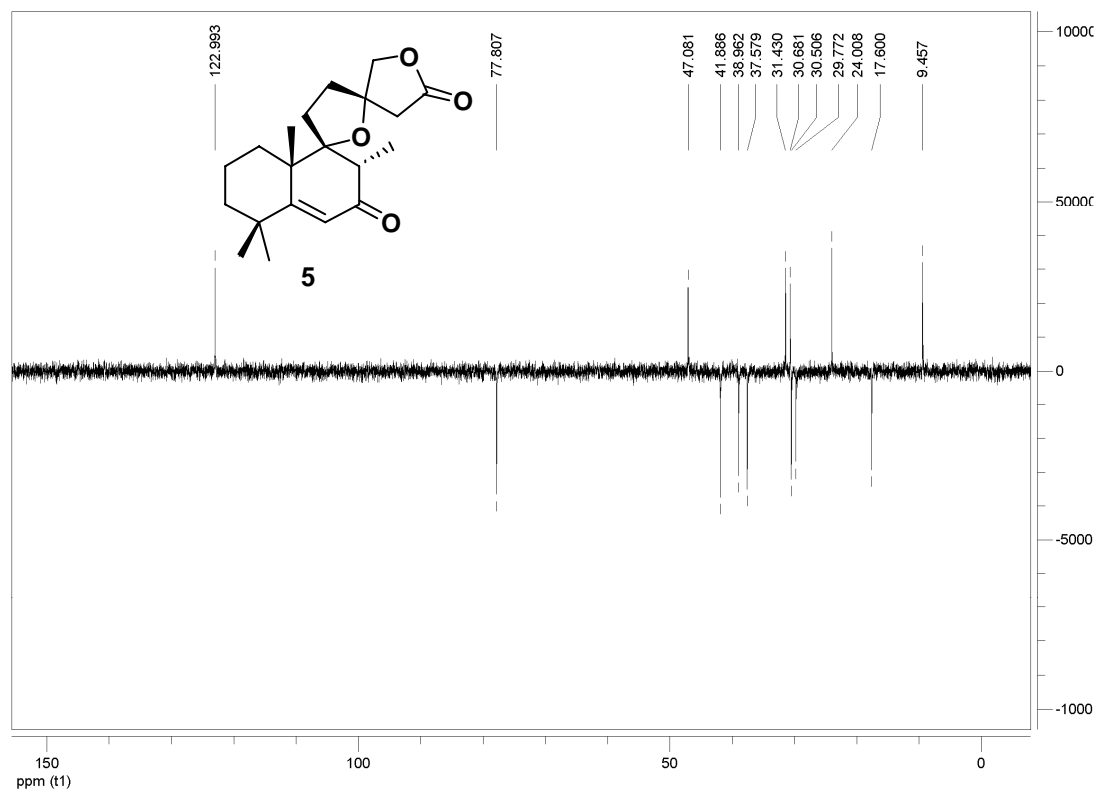
S13. ^1H NMR (400 MHz, CDCl_3) spectrum of the new compound **5**



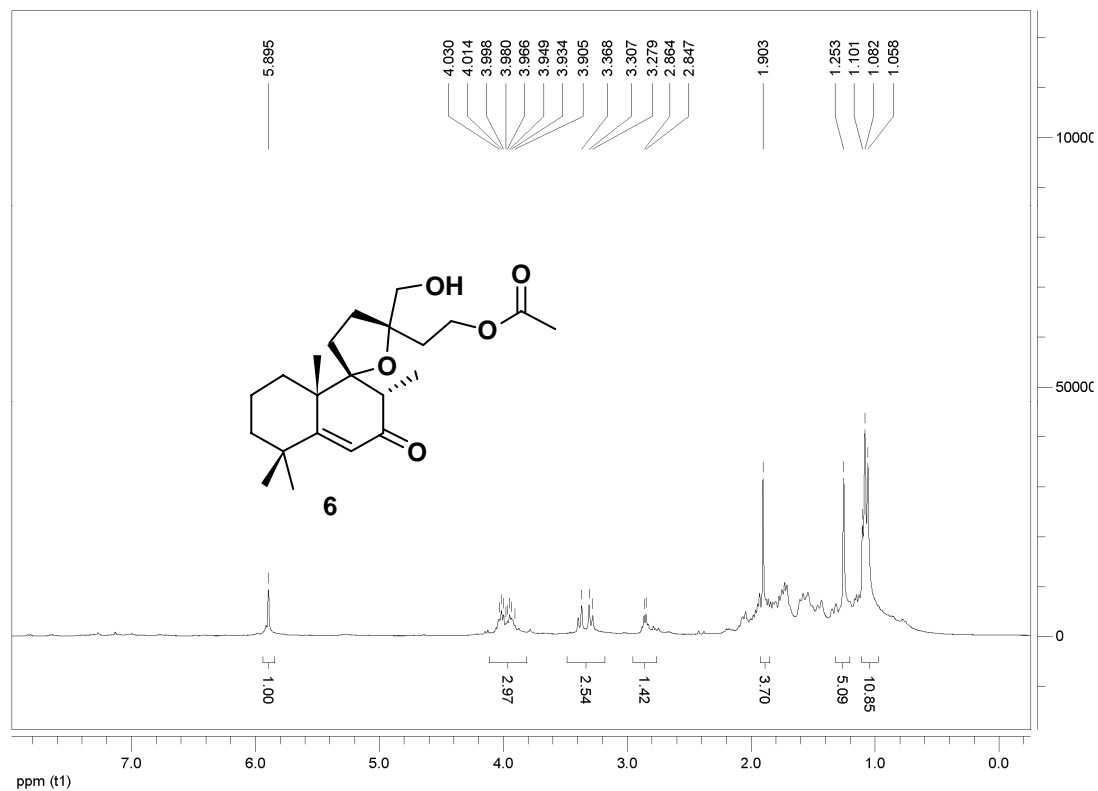
S14. ^{13}C NMR (100 MHz, CDCl_3) spectrum of the new compound **5**



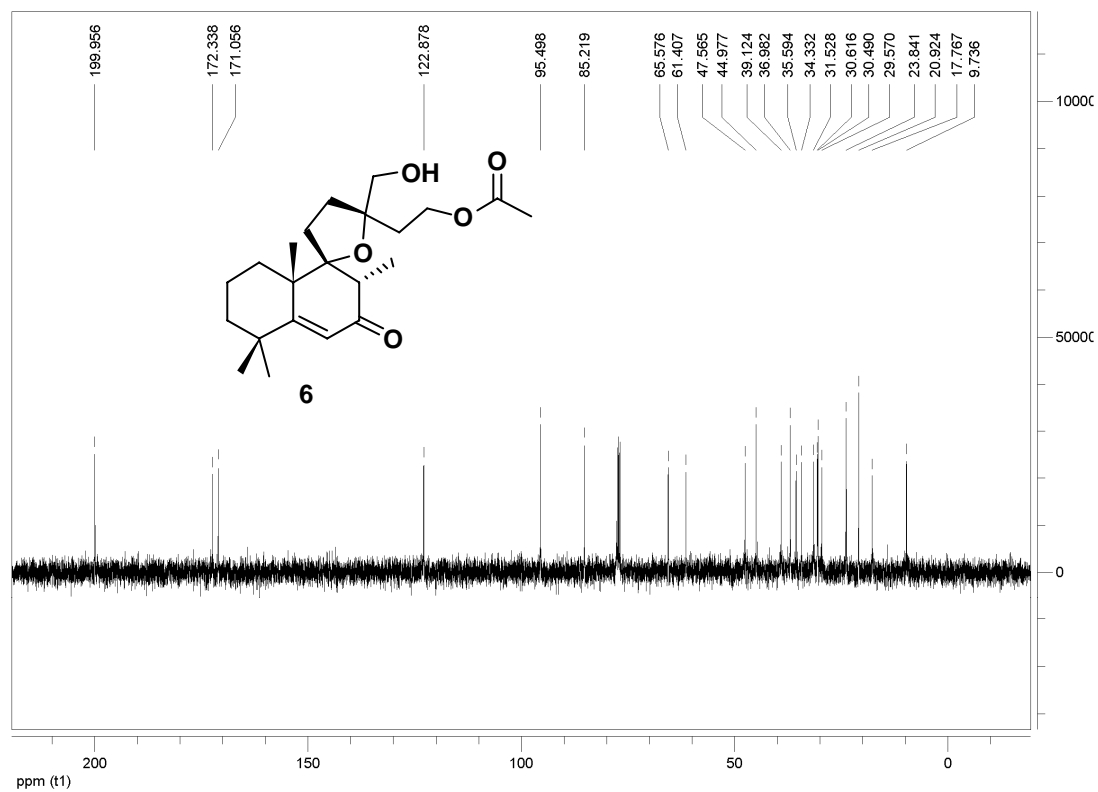
S15. DEPT135 spectrum of **5**



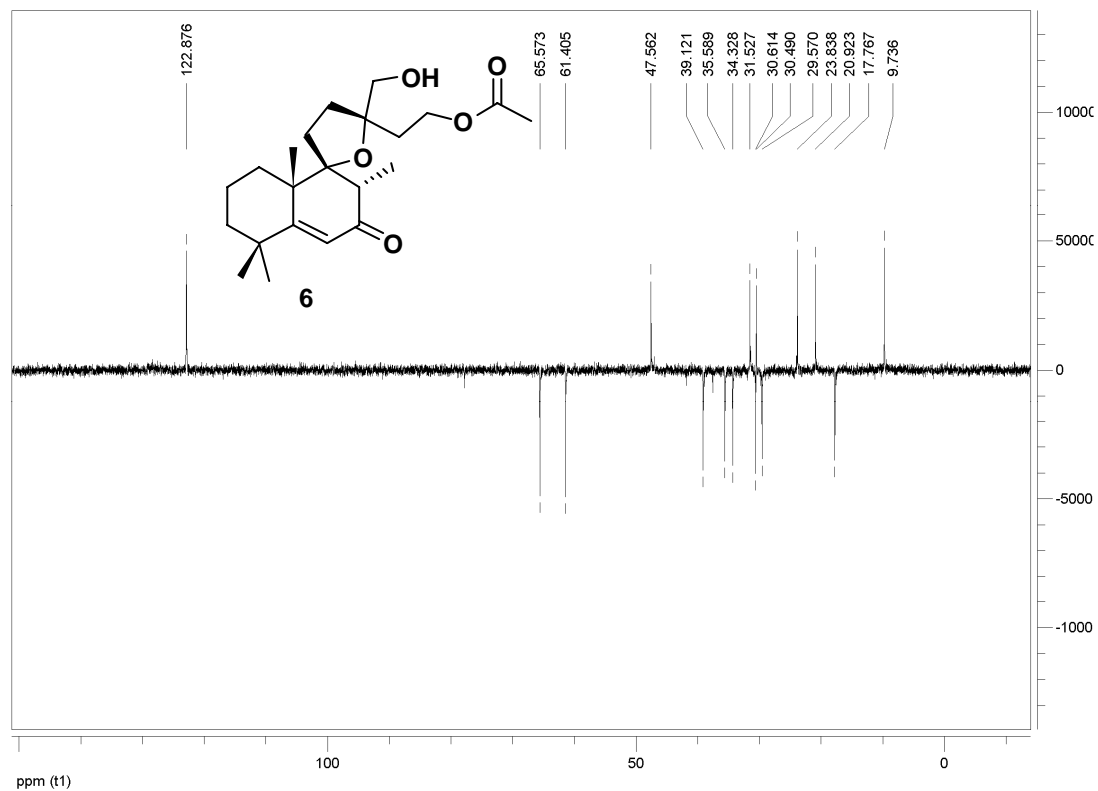
S16. ^1H NMR (400 MHz, CDCl_3) spectrum of the new compound **6**



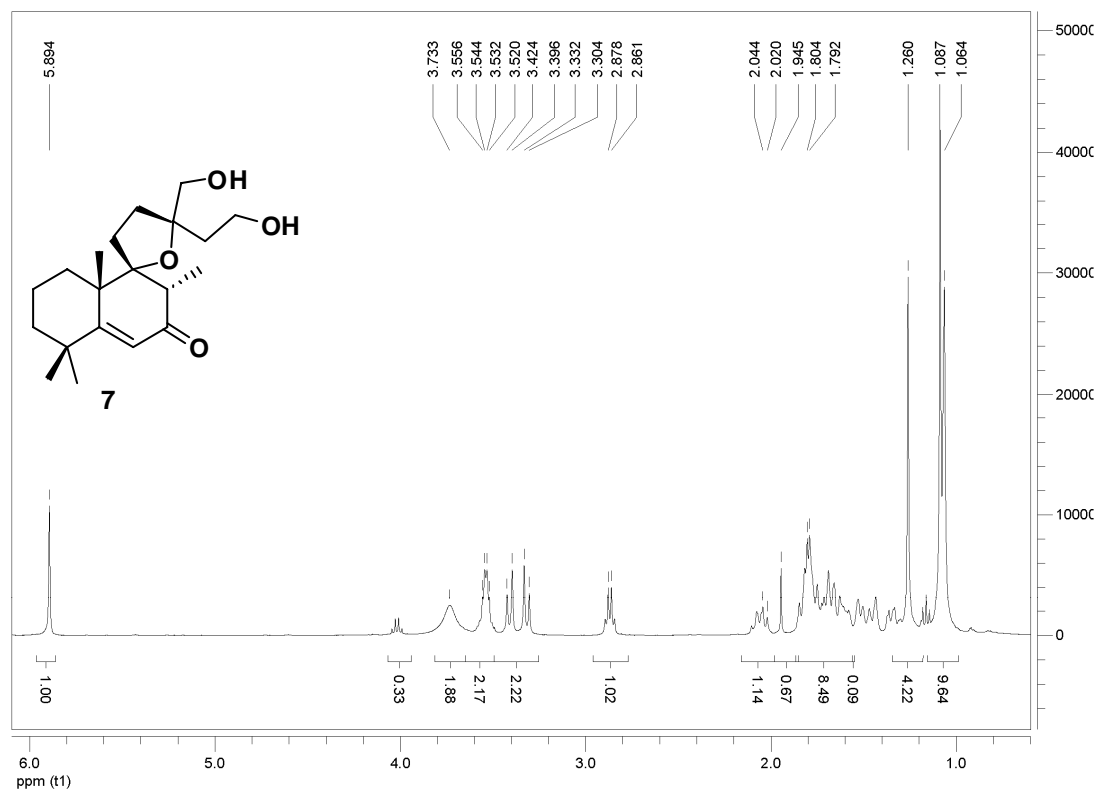
S17. ^{13}C NMR (100 MHz, CDCl_3) spectrum of the new compound **6**



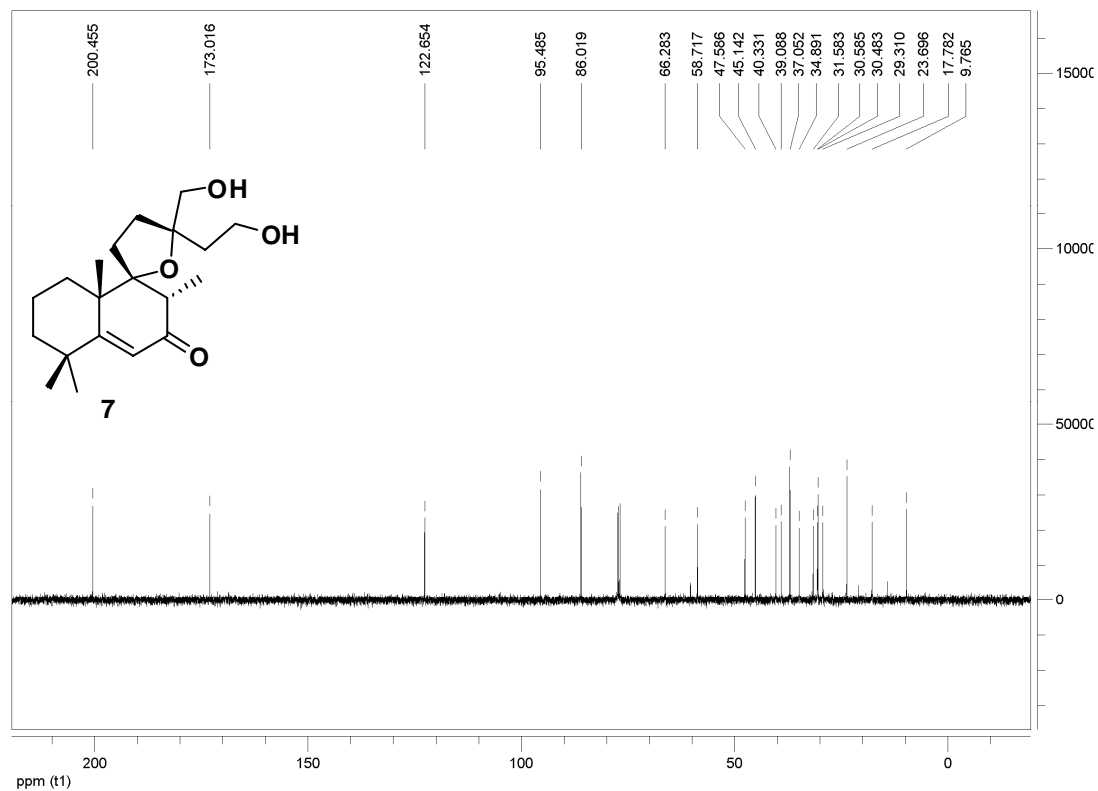
S18. DEPT135 spectrum of **6**



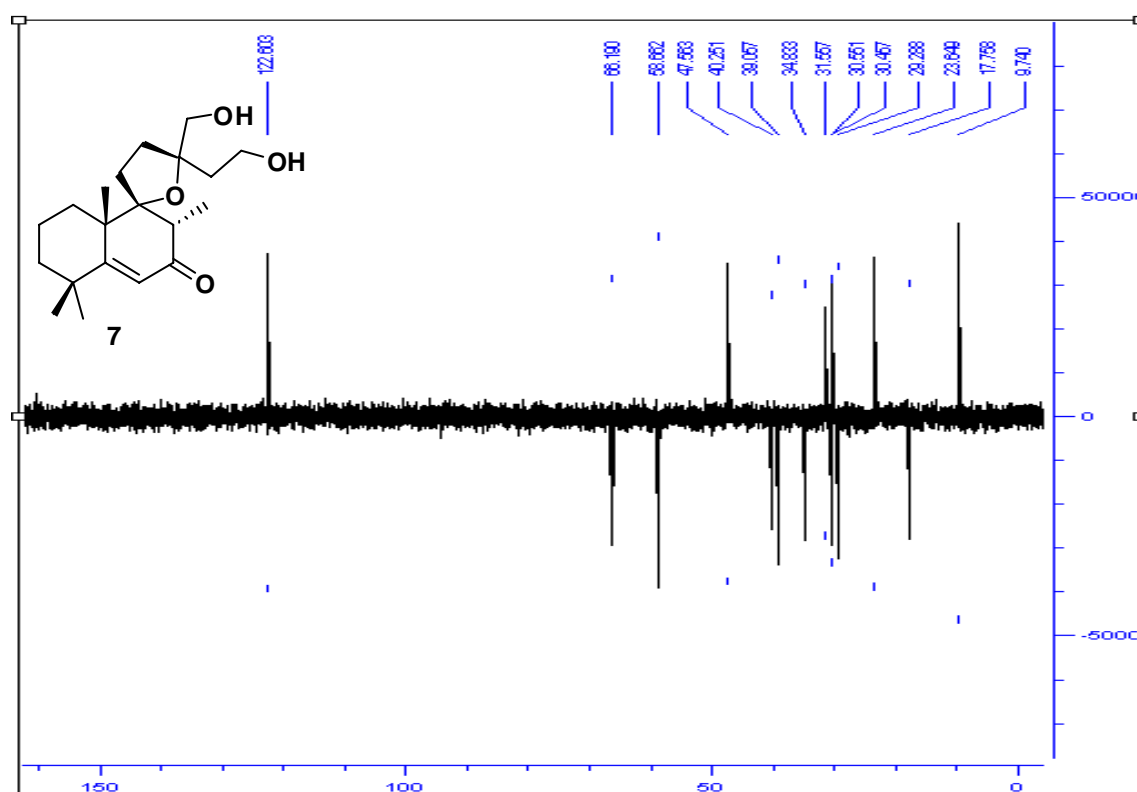
S19. ^1H NMR (400 MHz, CDCl_3) spectrum of the new compound **7**



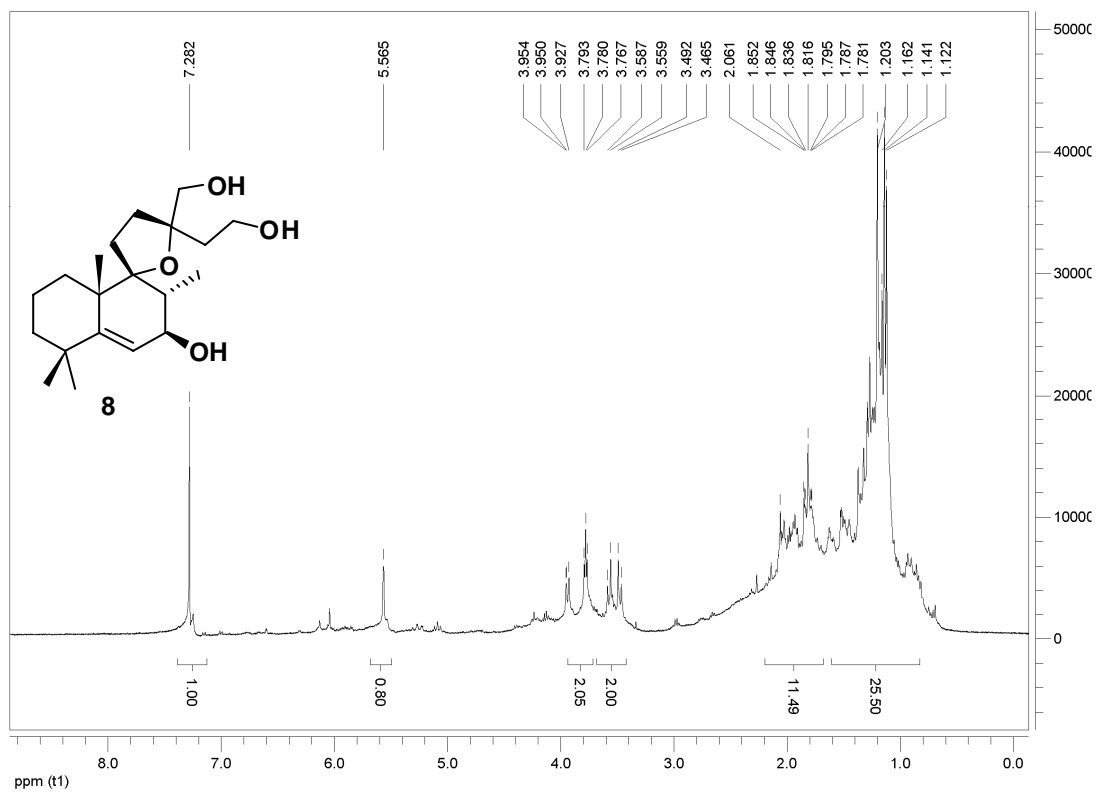
S20. ^{13}C NMR (100 MHz, CDCl_3) spectrum of the new compound **7**



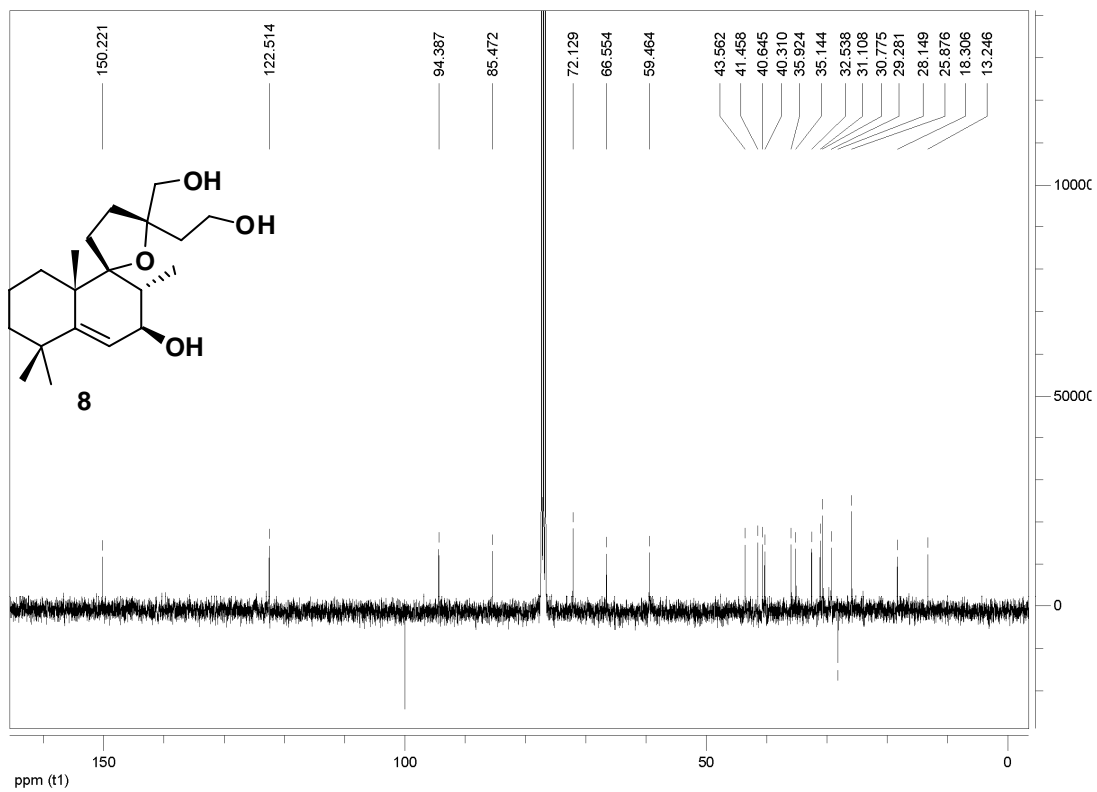
S21. DEPT135 spectrum of **7**



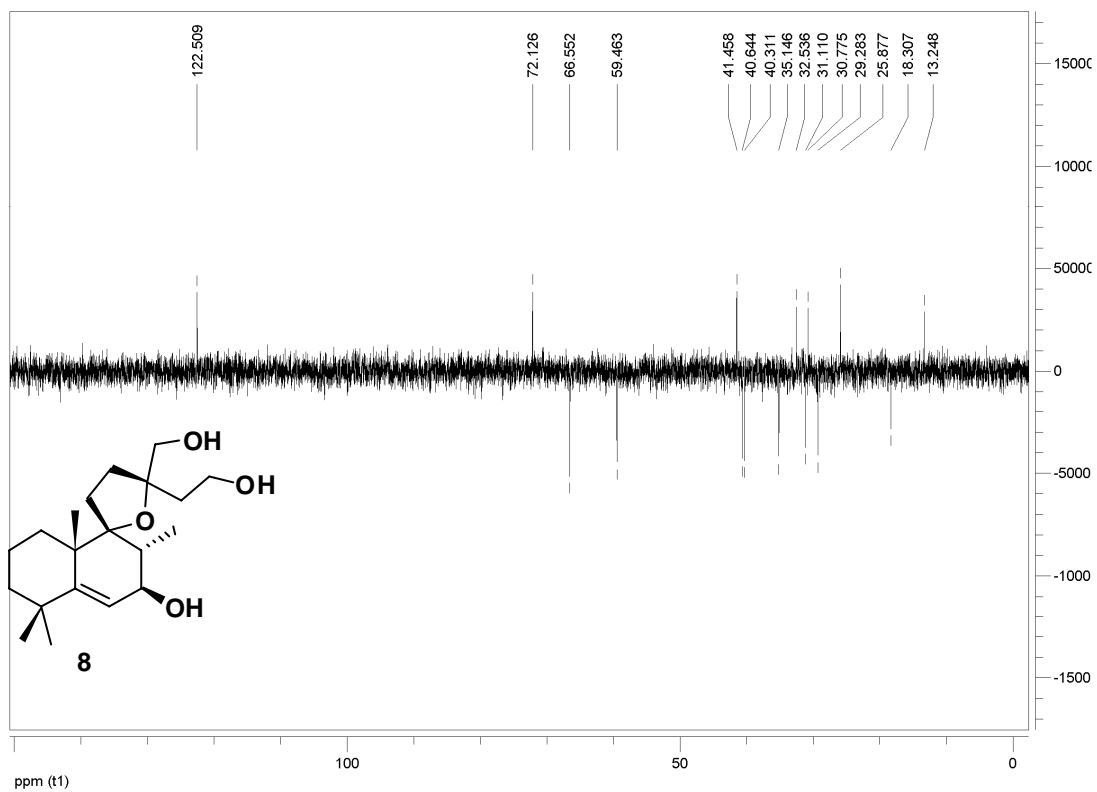
S22. ^1H NMR (400 MHz, CDCl_3) spectrum of the new compound **8**



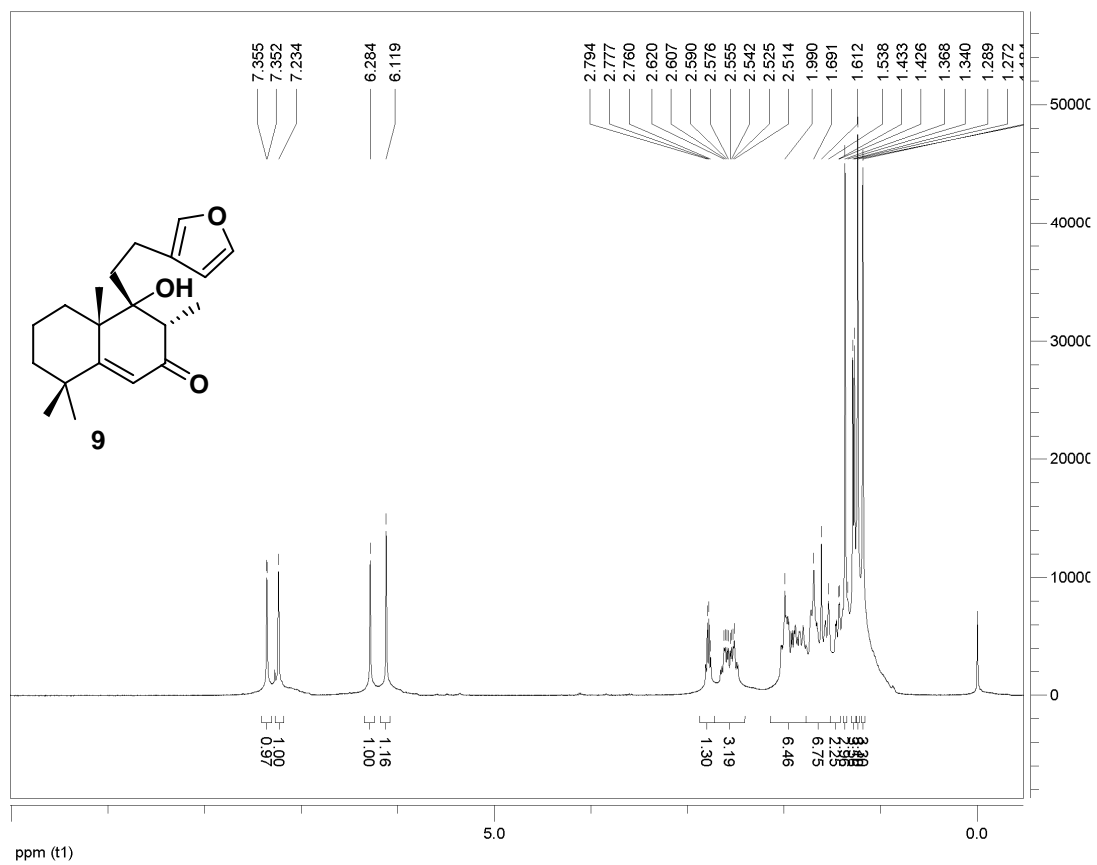
S23. ¹³C NMR (100 MHz, CDCl₃) spectrum of the new compound **8**



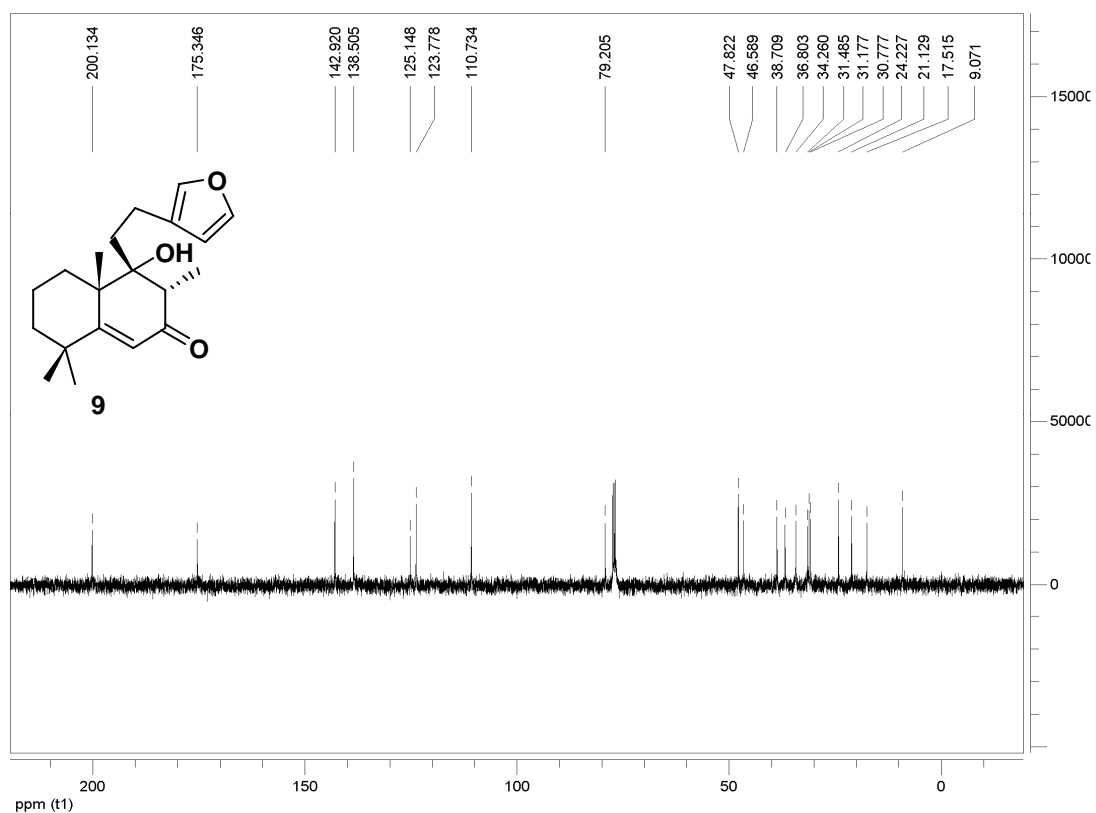
S24. DEPT135 spectrum of **8**



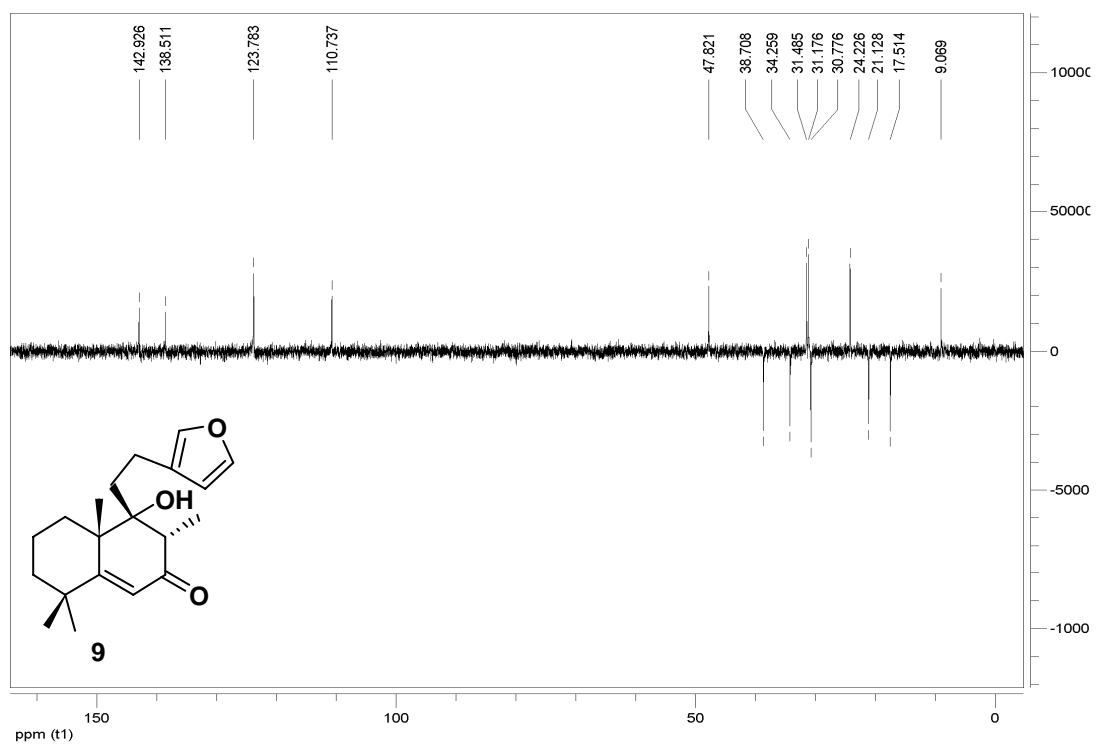
S25. ¹H NMR (400 MHz, CDCl₃) spectrum of compound 9



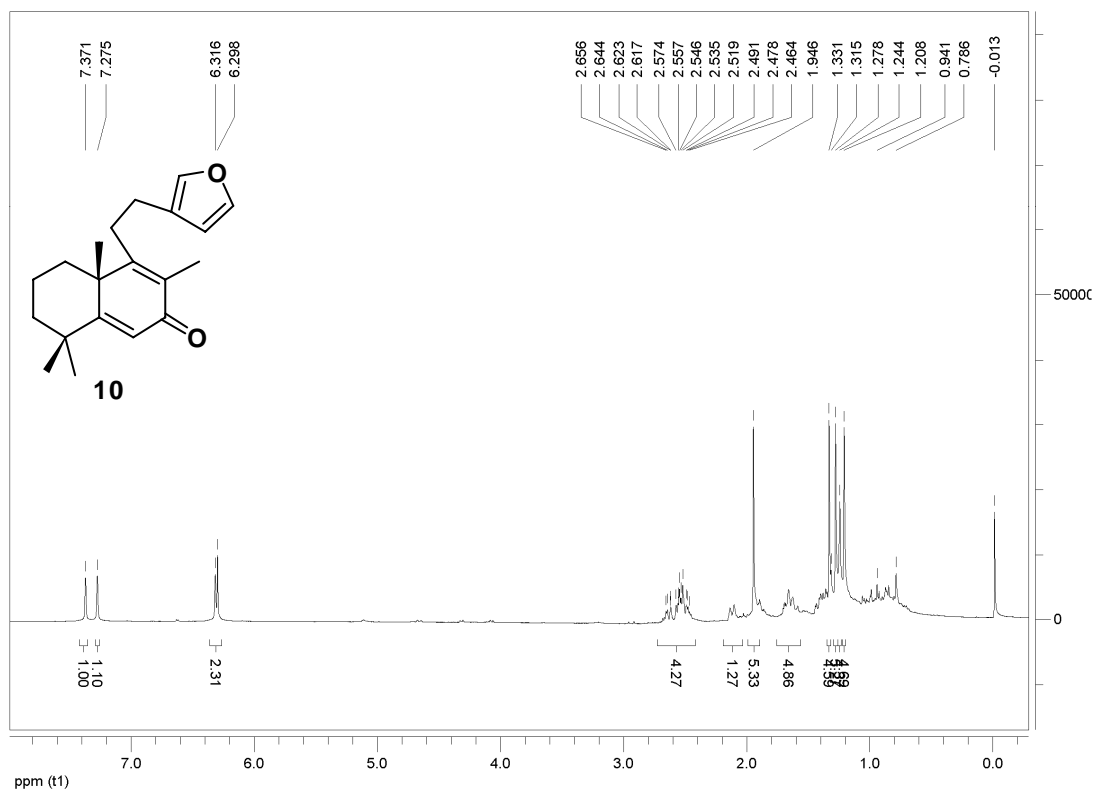
S26. ^{13}C NMR (100 MHz, CDCl_3) spectrum of compound **9**



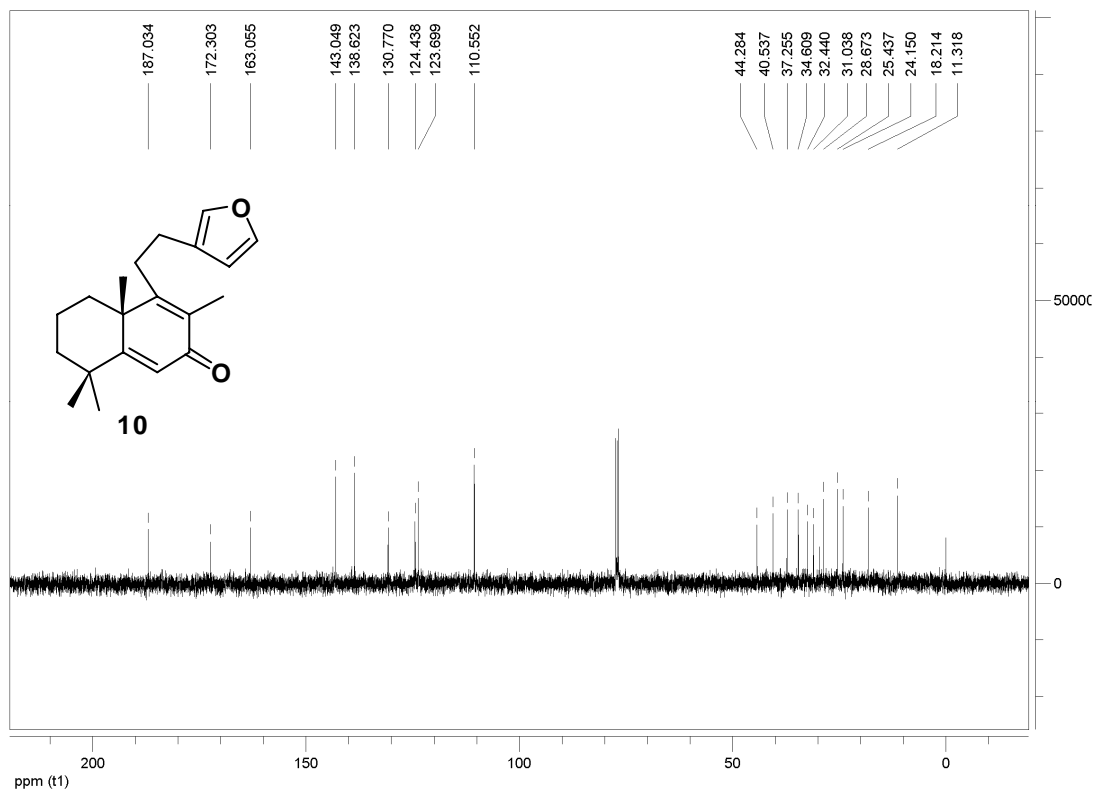
S27. DEPT135 spectrum of **9**



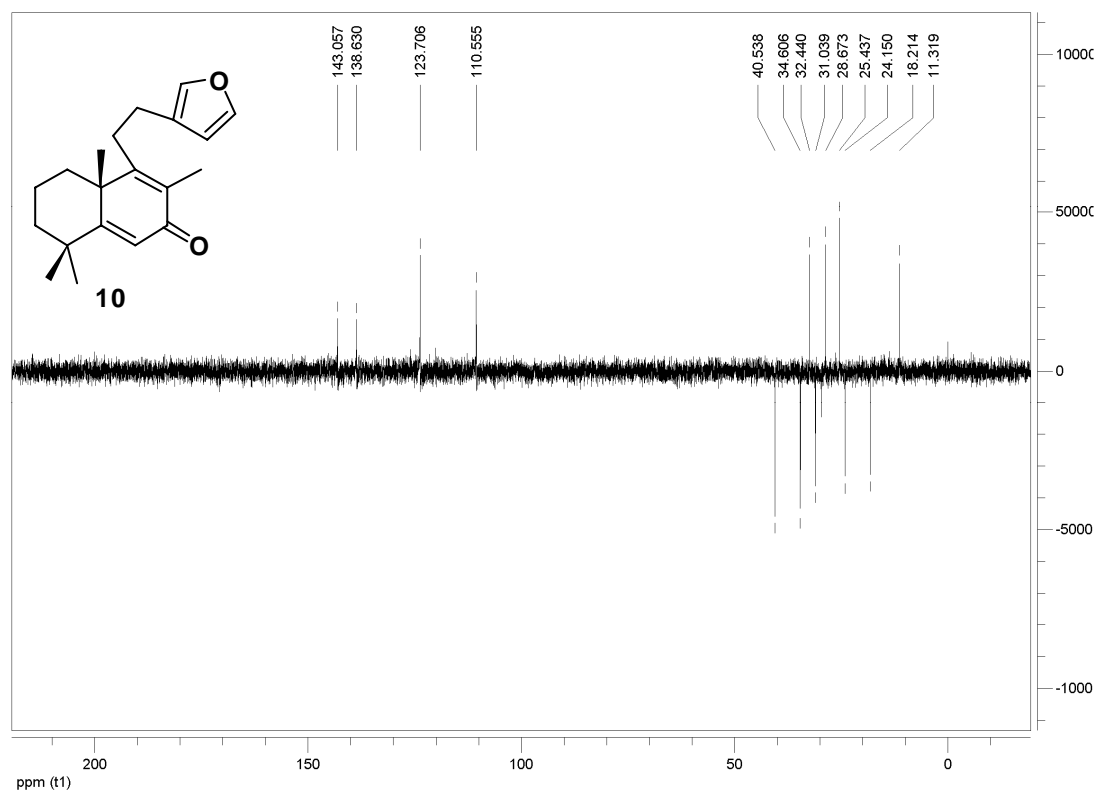
S28. ^1H NMR (400 MHz, CDCl_3) spectrum of compound **10**



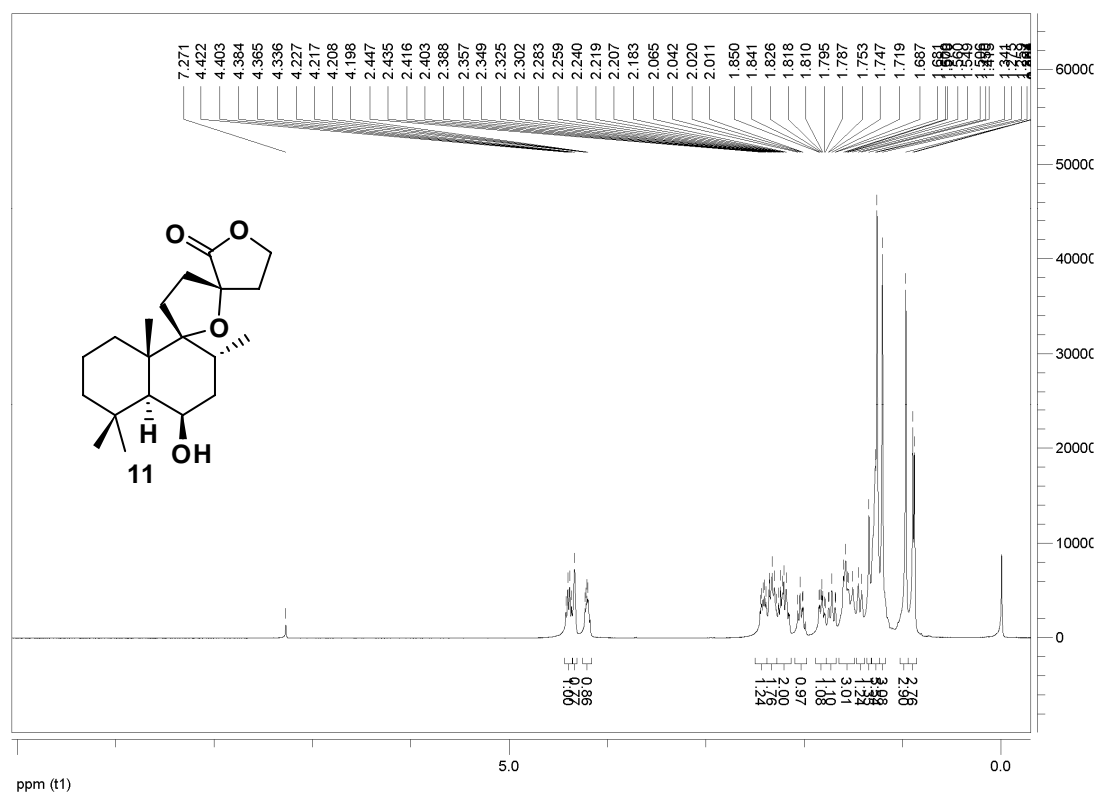
S29. ^{13}C NMR (100 MHz, CDCl_3) spectrum of compound **10**



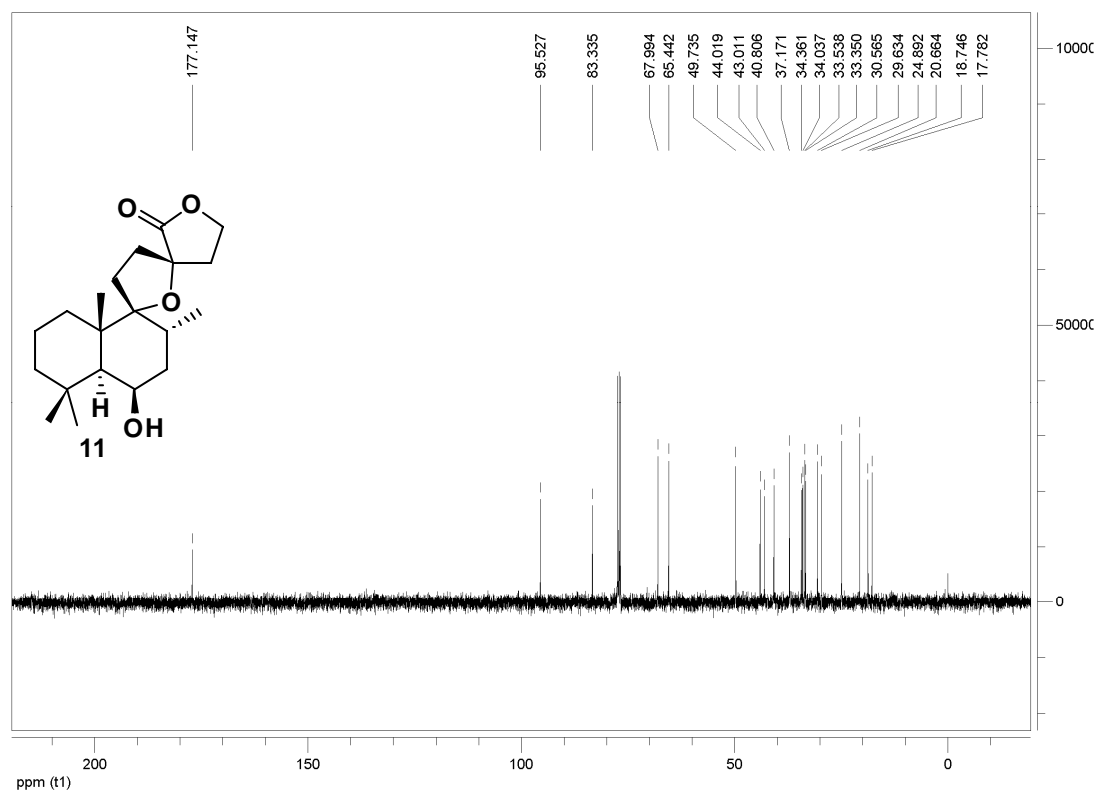
S30. DEPT135 spectrum of **10**



S31. ^1H NMR (400 MHz, CDCl_3) spectrum of compound **11**



S32. ^{13}C NMR (100 MHz, CDCl_3) spectrum of compound **11**



S33. DEPT135 spectrum of **11**

