

## Labdane Diterpenoids from *Leonurus sibiricus*

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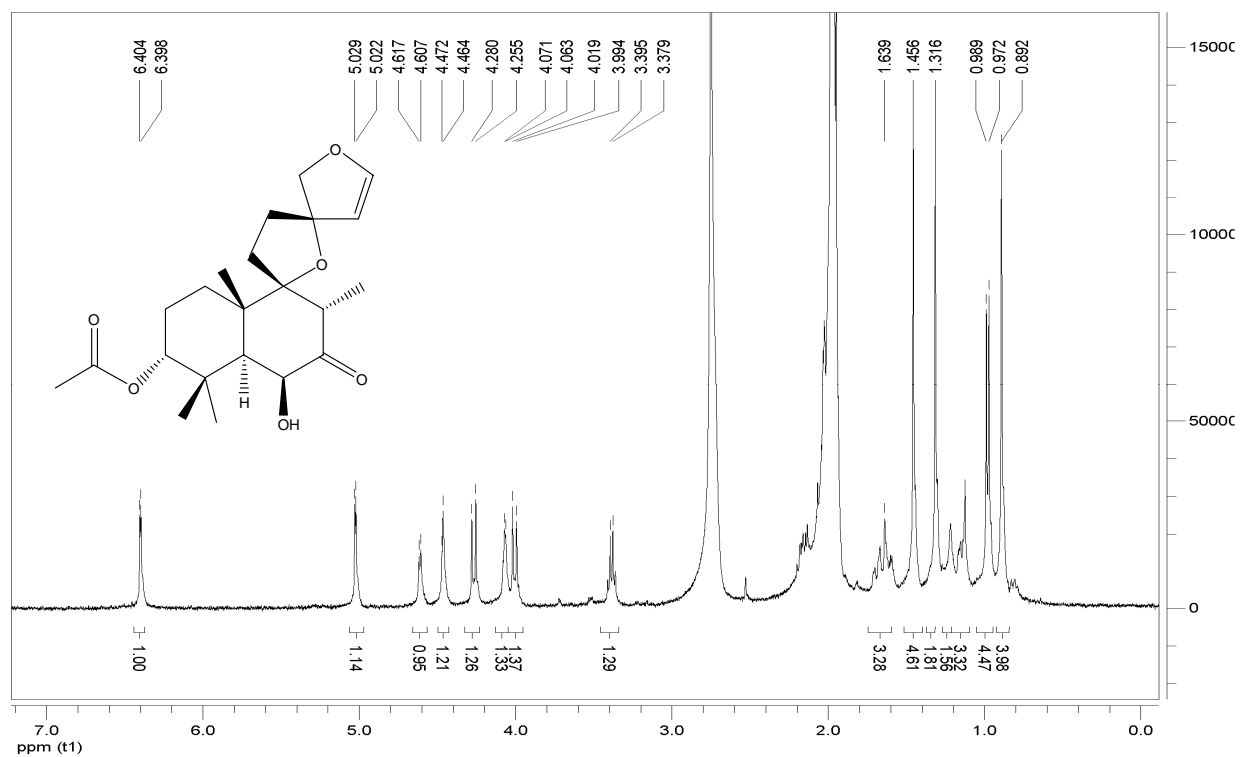
<sup>§</sup> Louisiana State University.

<sup>⊥</sup> National Center for Natural Products Research, University of Mississippi.

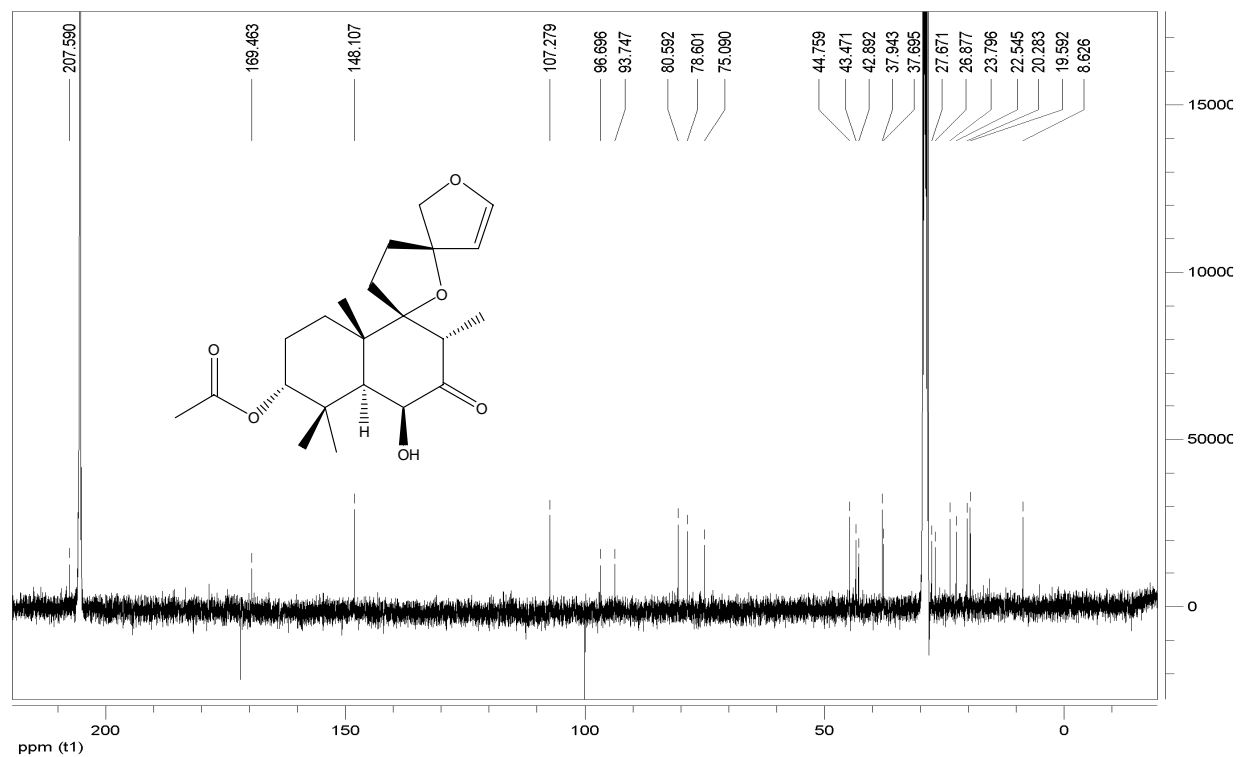
<sup>||</sup> Research Institute of Pharmaceutical Sciences, University of Mississippi.

- S1.  $^1\text{H}$  NMR (400 MHz, acetone- $d_6$ ) spectrum of the new compound **1**
- S2.  $^{13}\text{C}$  NMR (100 MHz, acetone- $d_6$ ) spectrum of **1**
- S3. DEPT135 spectrum of **1**
- S4. HMQC spectrum of **1**
- S5. HMBC spectrum of **1**
- S6. NOESY spectrum of **1**
- S7.  $^1\text{H}$  NMR (400 MHz, acetone- $d_6$ ) spectrum of the new compound **2**
- S8.  $^{13}\text{C}$  NMR (100 MHz, acetone- $d_6$ ) spectrum of **2**
- S9. DEPT135 spectrum of **2**
- S10. HMQC spectrum of **2**
- S11. HMBC spectrum of **2**
- S12. NOESY spectrum of **2**
- S13.  $^1\text{H}$  NMR (400 MHz, acetone- $d_6$ ) spectrum of the new compound **3**
- S14.  $^{13}\text{C}$  NMR (100 MHz, acetone- $d_6$ ) spectrum of **3**
- S15. DEPT135 spectrum of **3**
- S16. HMQC spectrum of **3**
- S17. HMBC spectrum of **3**
- S18. NOESY spectrum of **3**
- S19.  $^1\text{H}$  NMR (400 MHz, acetone- $d_6$ ) spectrum of the new compound **4**
- S20.  $^{13}\text{C}$  NMR (100 MHz, acetone- $d_6$ ) spectrum of **4**
- S21. DEPT135 spectrum of **4**
- S22. HMQC spectrum of **4**
- S23. HMBC spectrum of **4**
- S24. NOESY spectrum of **4**
- S25.  $^1\text{H}$  NMR (400 MHz, DMSO- $d_6$ ) spectrum of the new compound **5/6**
- S26.  $^{13}\text{C}$  NMR (100 MHz, DMSO- $d_6$ ) spectrum of **5/6**
- S27. DEPT135 spectrum of **5/6**
- S28. HMQC spectrum of **5/6**
- S29. HMBC spectrum of **5/6**
- S30. NOESY spectrum of **5/6**

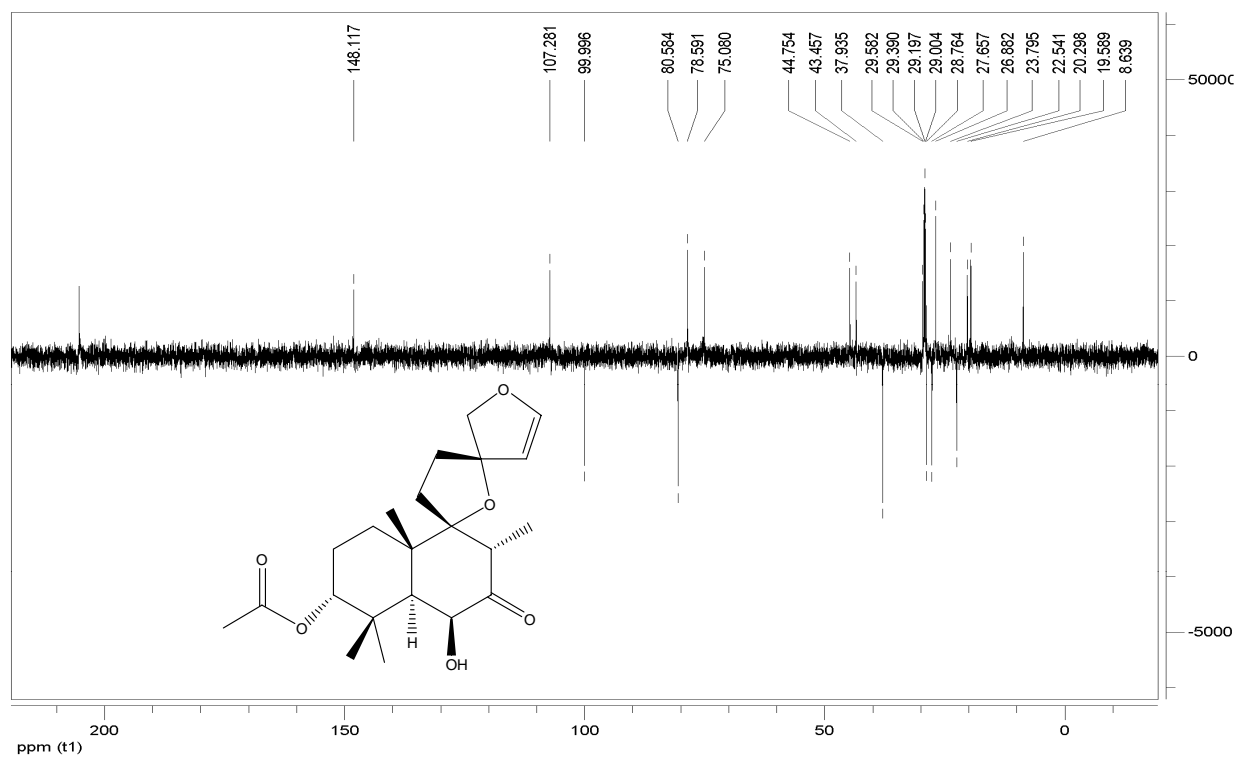
S1.  $^1\text{H}$  NMR (400 MHz, acetone- $d_6$ ) spectrum of the new compound **1**



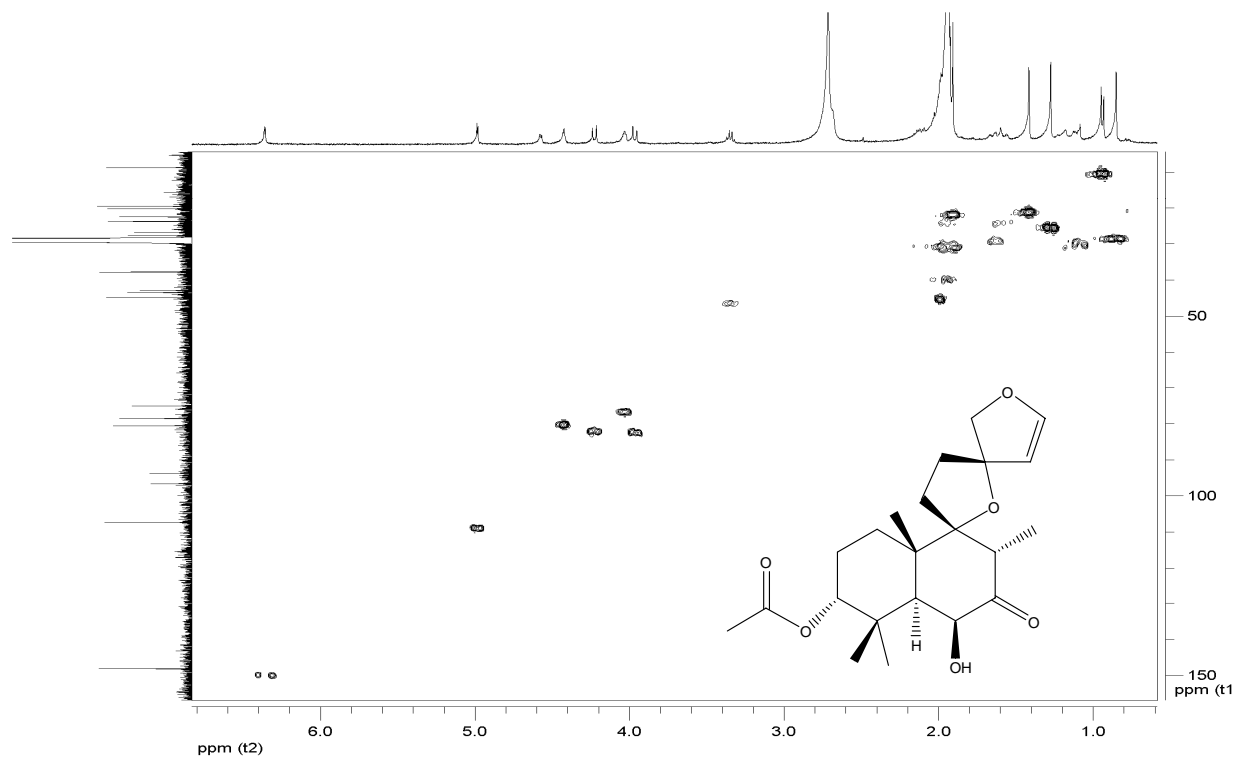
S2.  $^{13}\text{C}$  NMR (100 MHz, acetone- $d_6$ ) spectrum of the new compound **1**



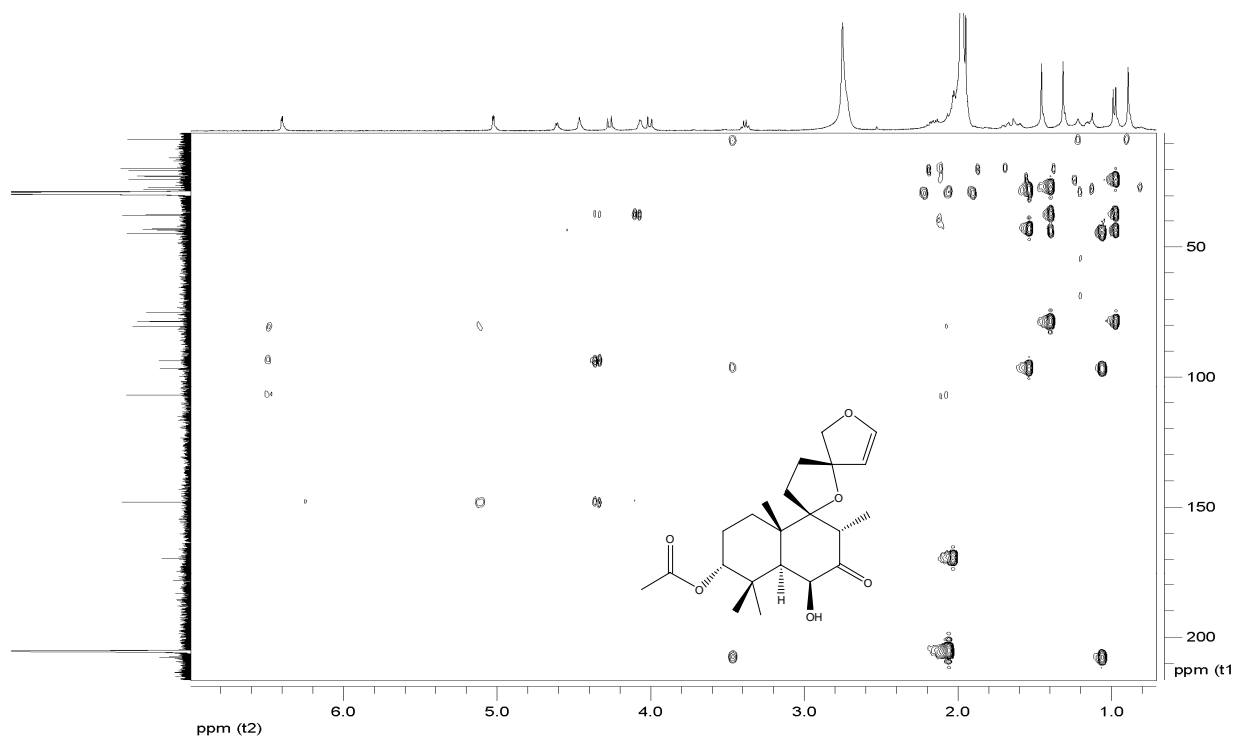
### S3. DEPT 135 spectrum of the new compound **1**



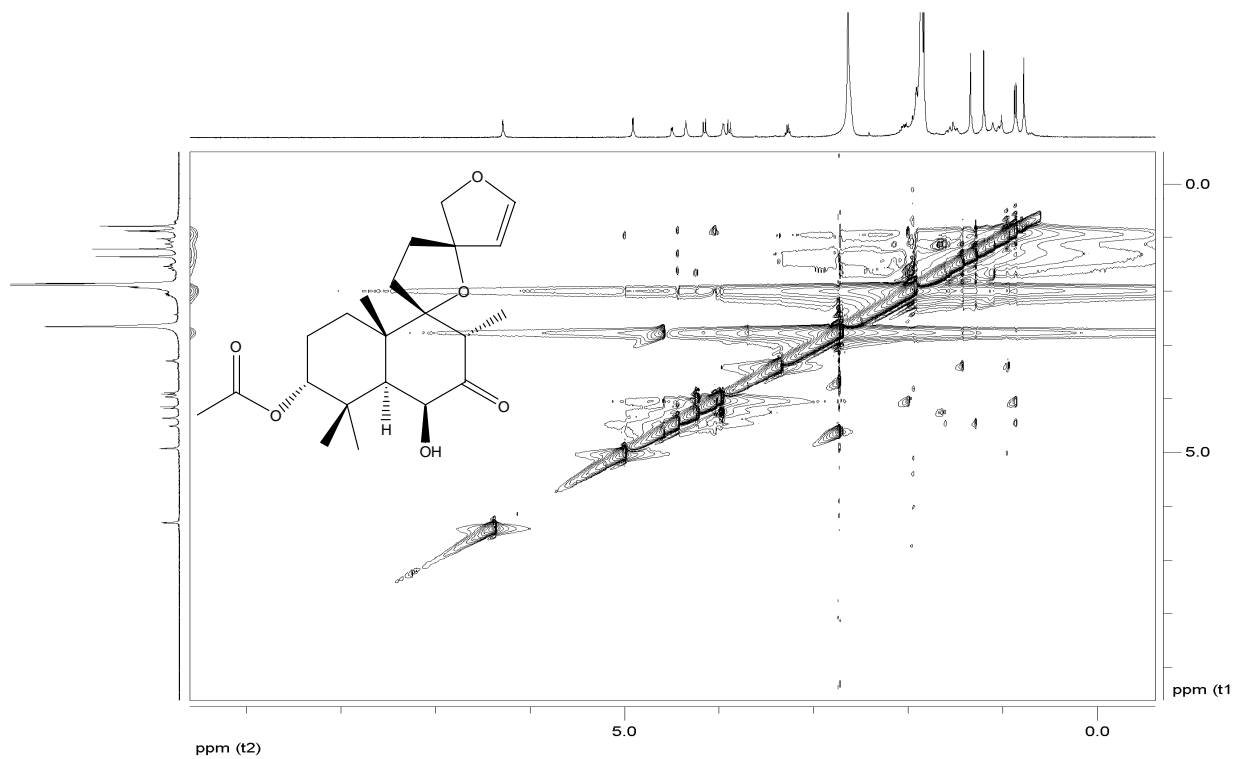
### S4. HMQC spectrum of the new compound **1**



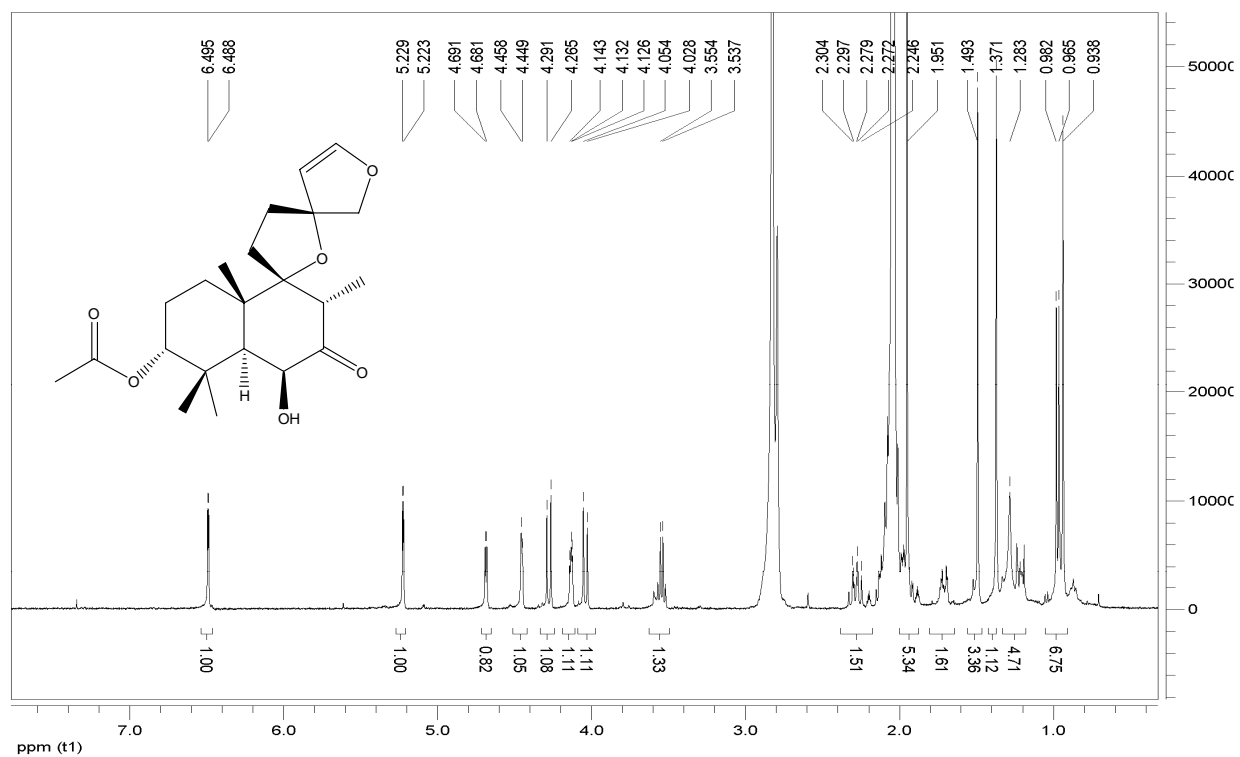
S5. HMBC spectrum of the new compound **1**



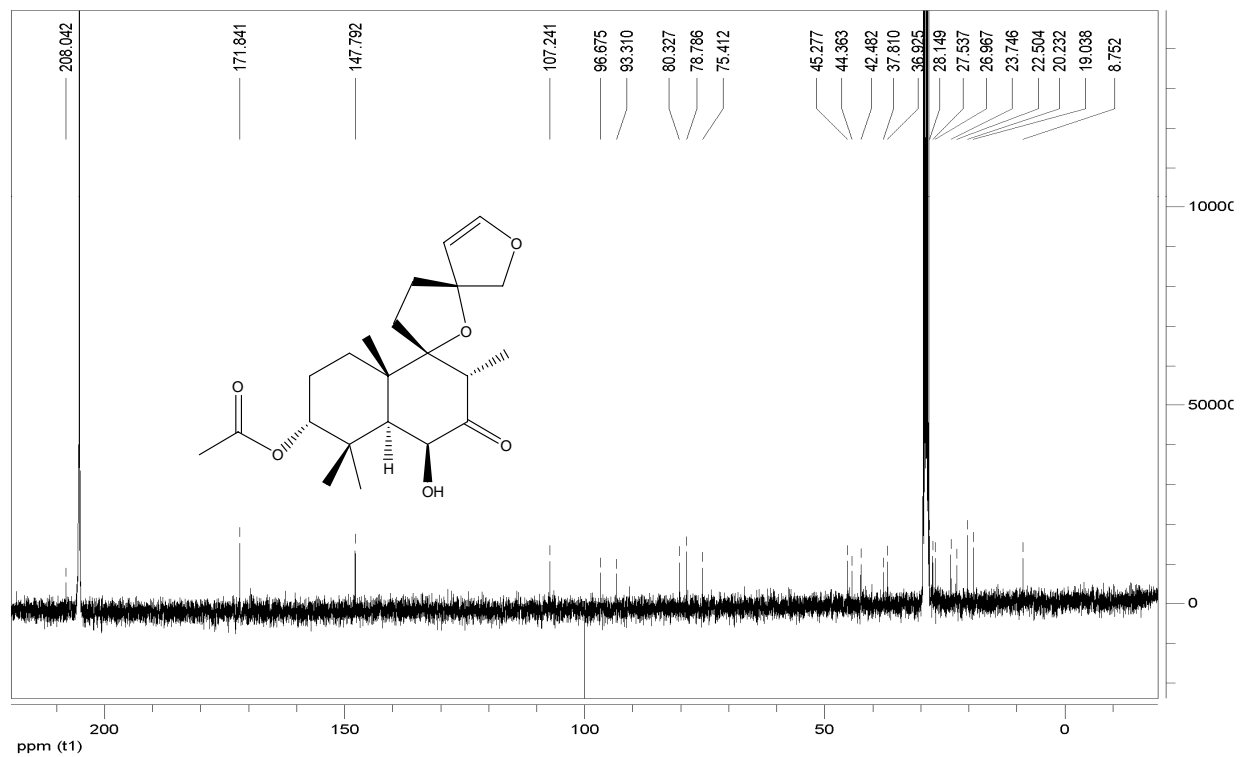
S6. NOESY spectrum of the new compound **1**



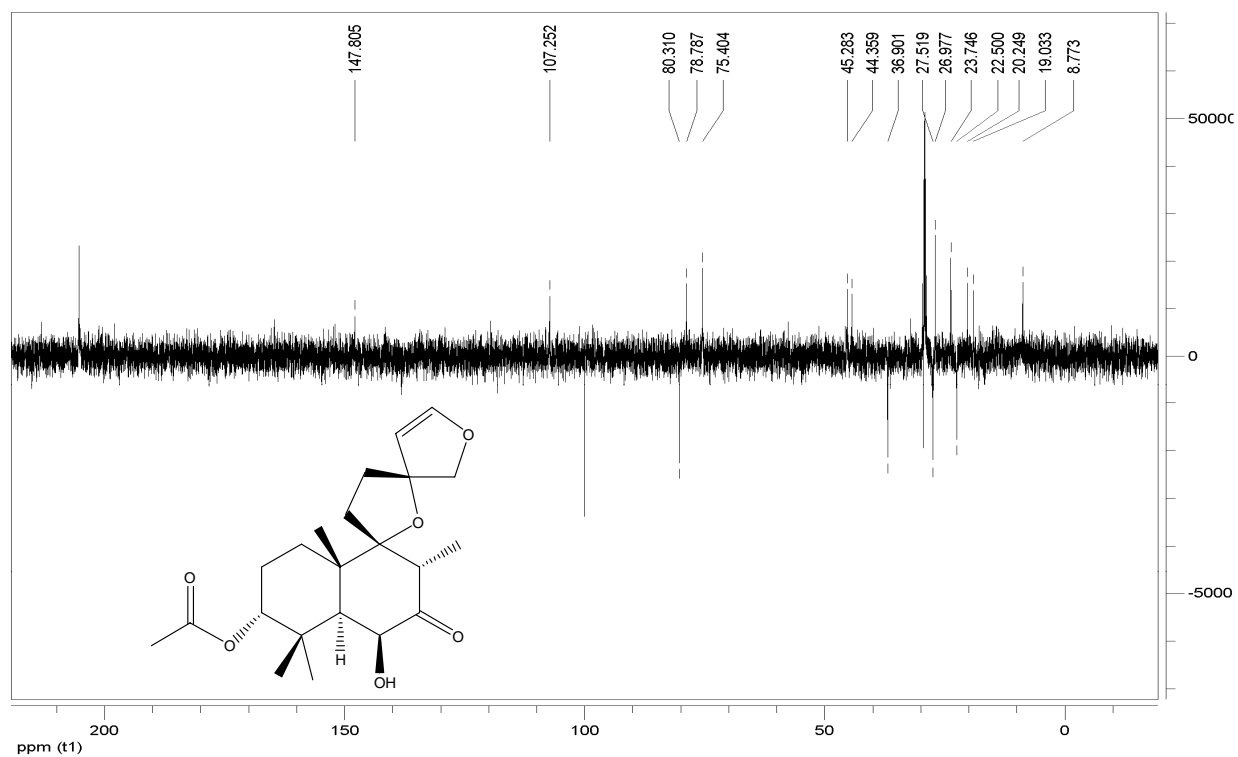
S7.  $^1\text{H}$  NMR (400 MHz, acetone- $d_6$ ) spectrum of the new compound **2**



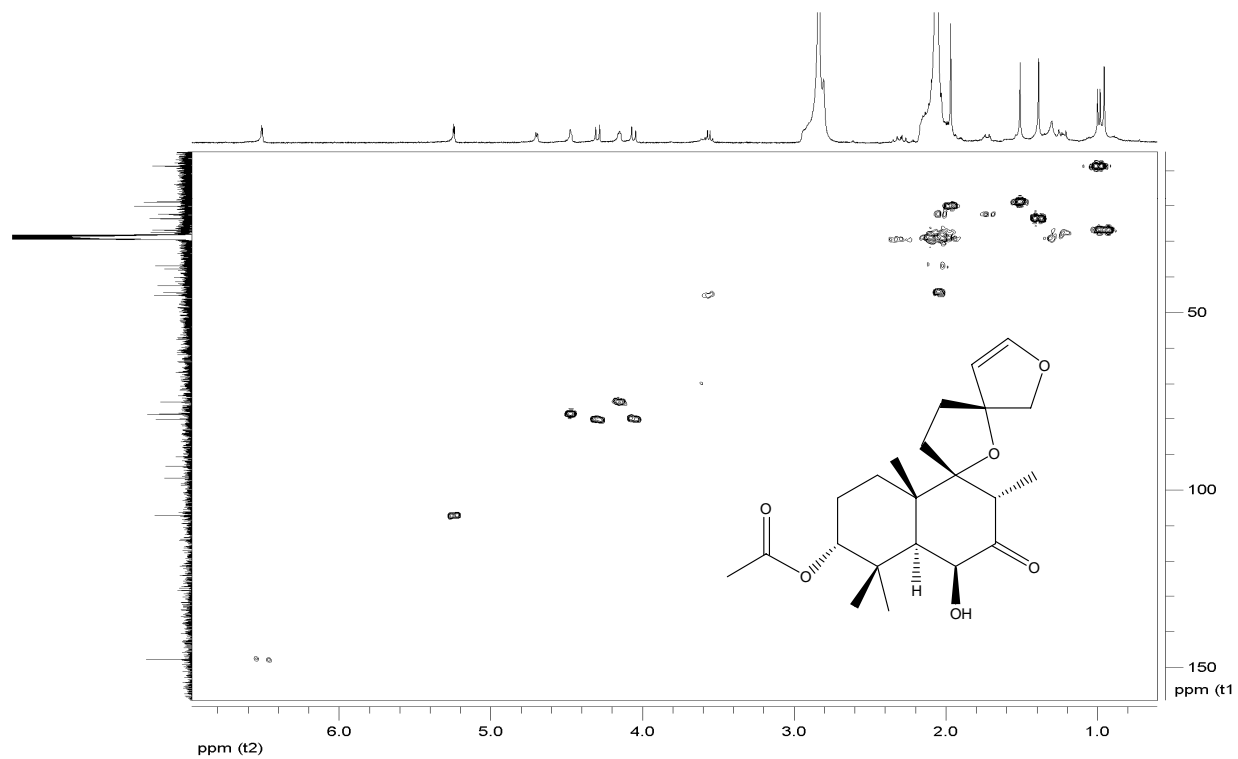
S8.  $^{13}\text{C}$  NMR (100 MHz, acetone- $d_6$ ) spectrum of the new compound **2**



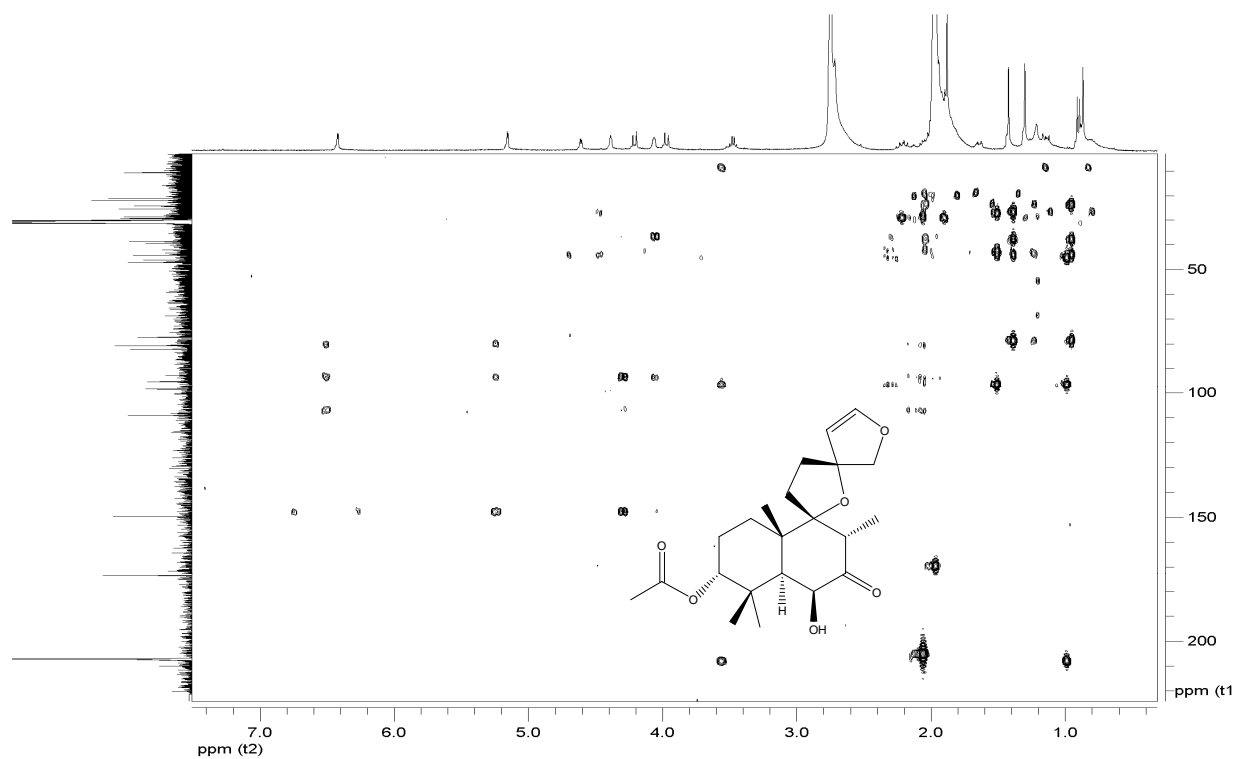
S9. DEPT 135 spectrum of the new compound **2**



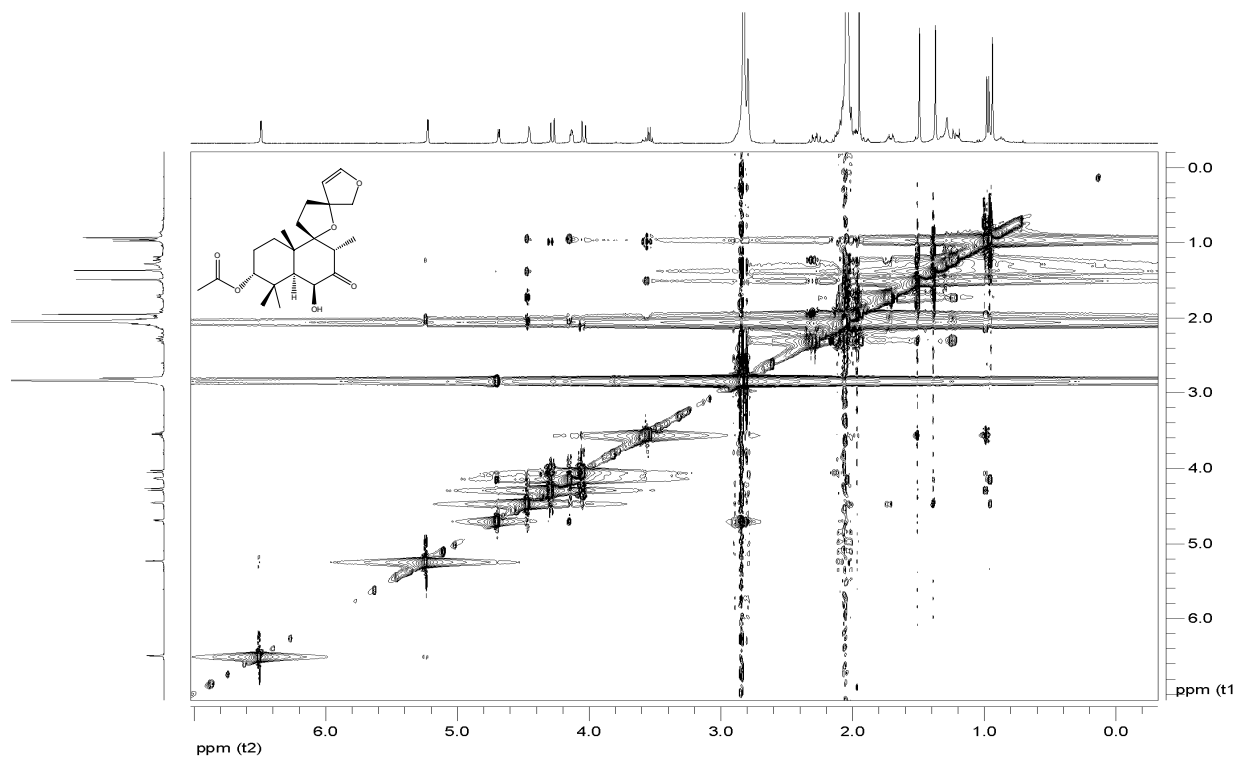
S10. HMQC spectrum of the new compound **2**



S11. HMBC spectrum of the new compound **2**

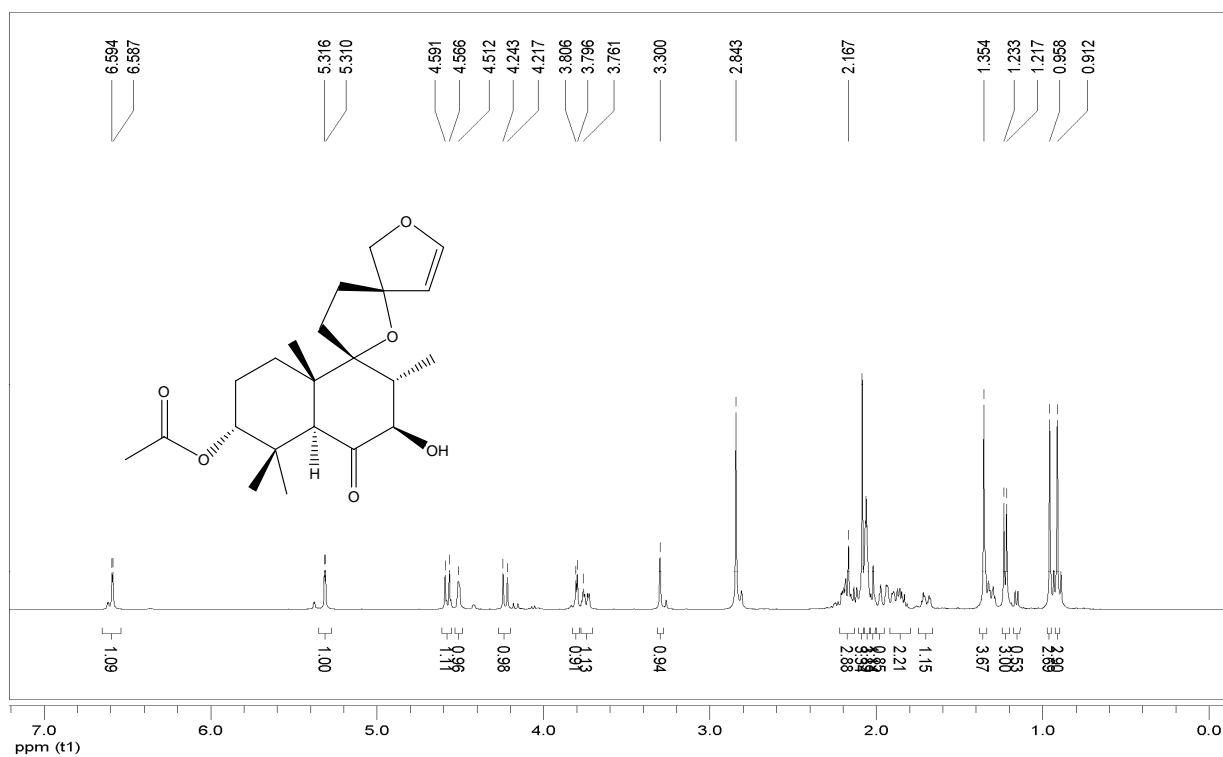


S12. NOESY spectrum of the new compound **2**

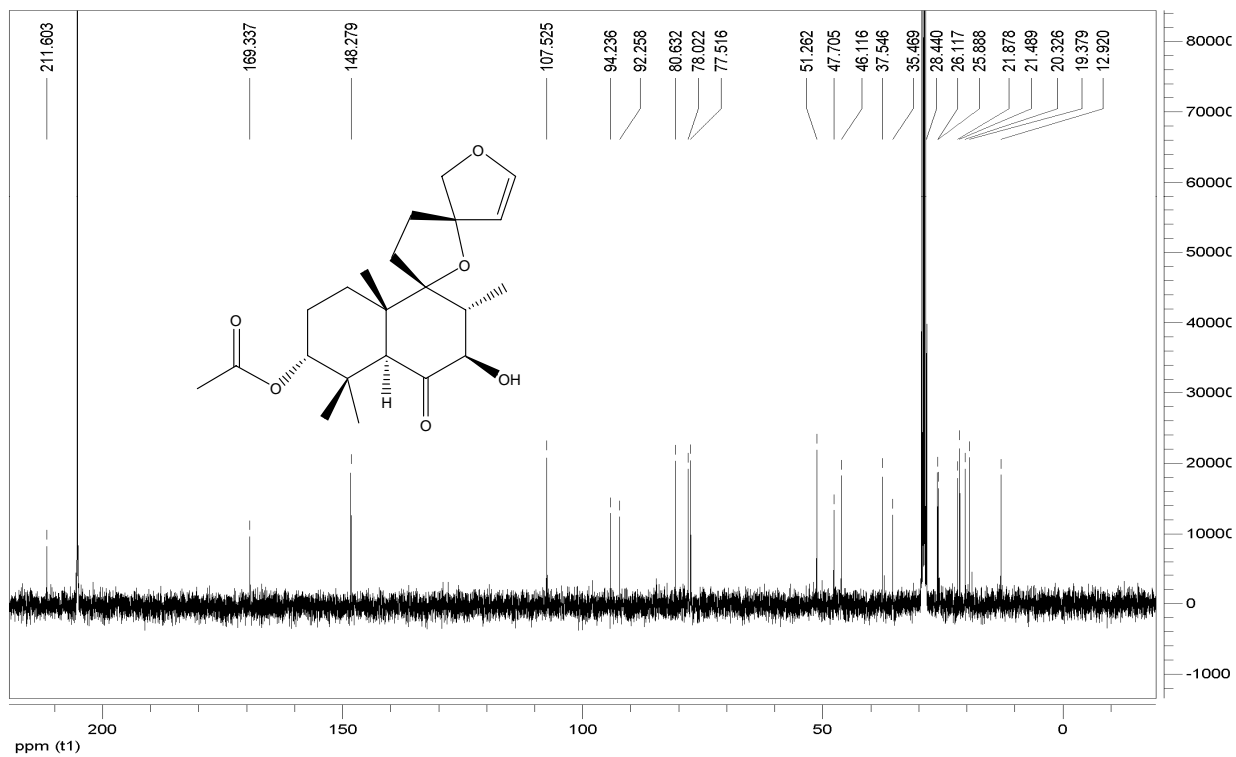




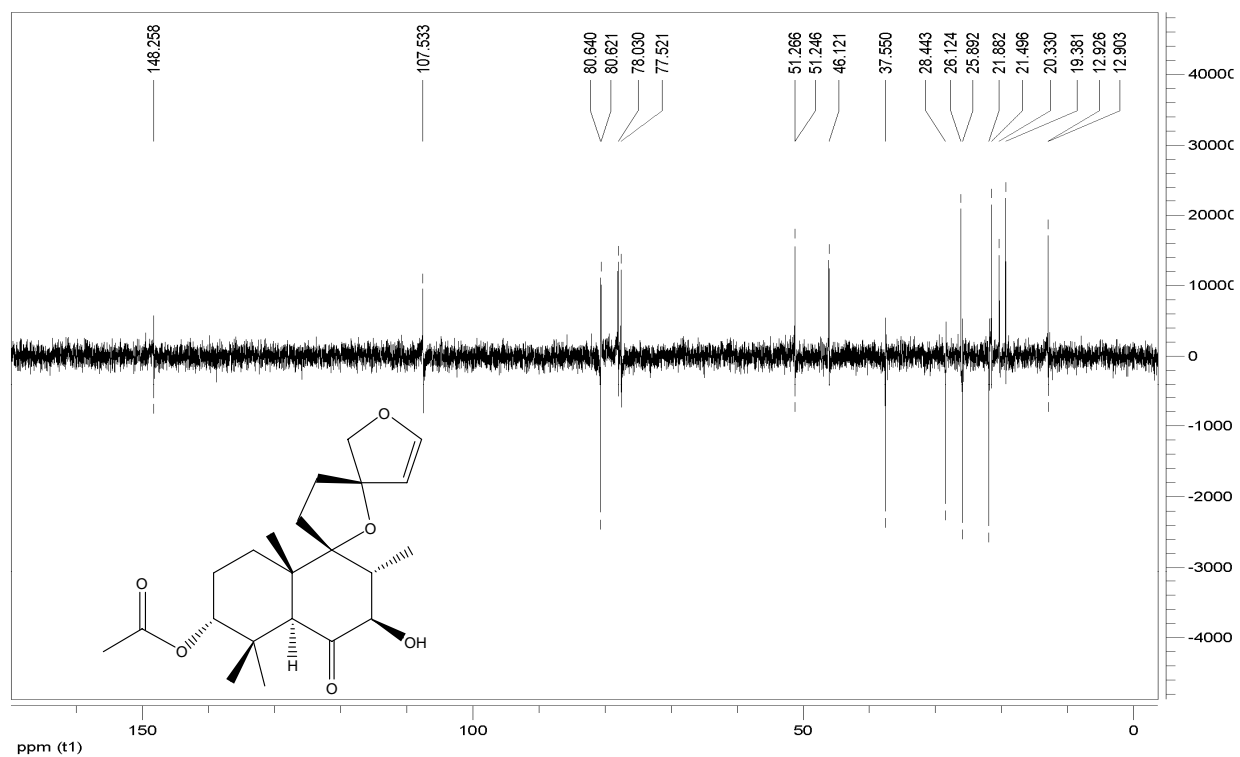
S13.  $^1\text{H}$  NMR (400 MHz, acetone- $d_6$ ) spectrum of the new compound **3**



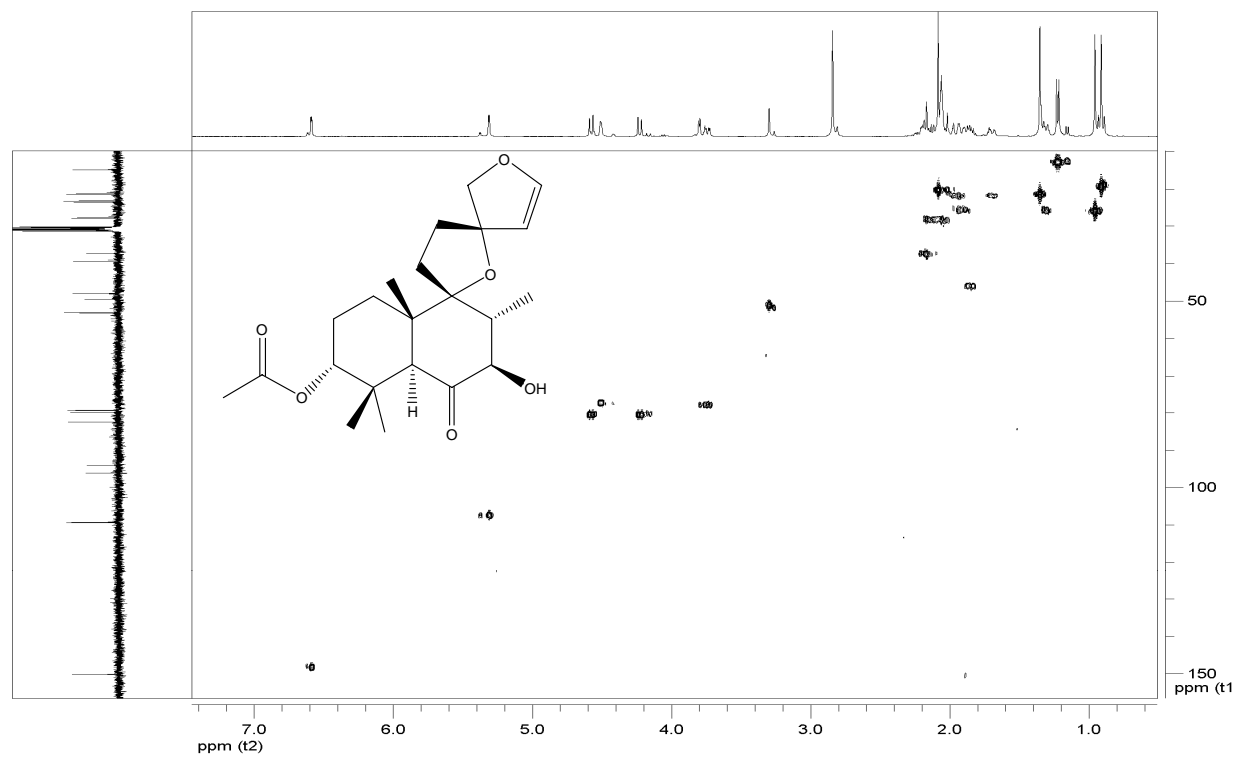
S14.  $^{13}\text{C}$  NMR (100 MHz, acetone- $d_6$ ) spectrum of the new compound **3**



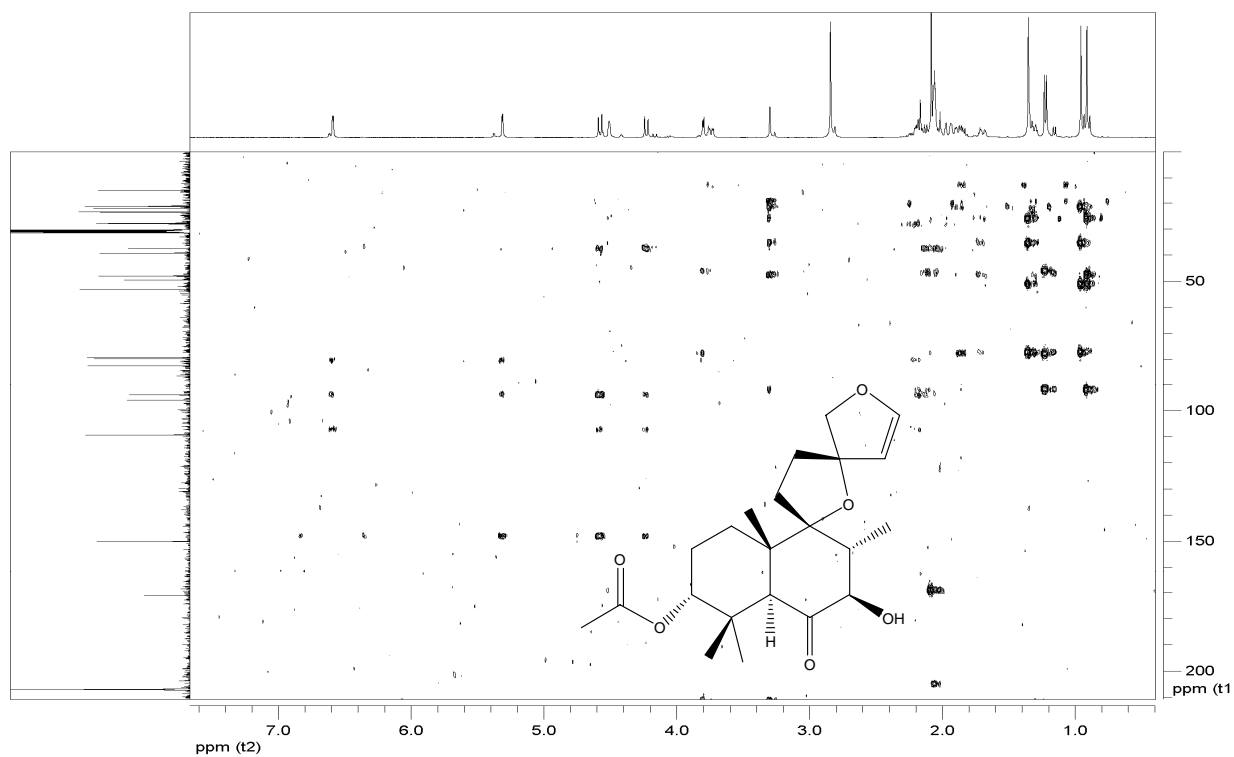
S15. DEPT 135 spectrum of the new compound **3**



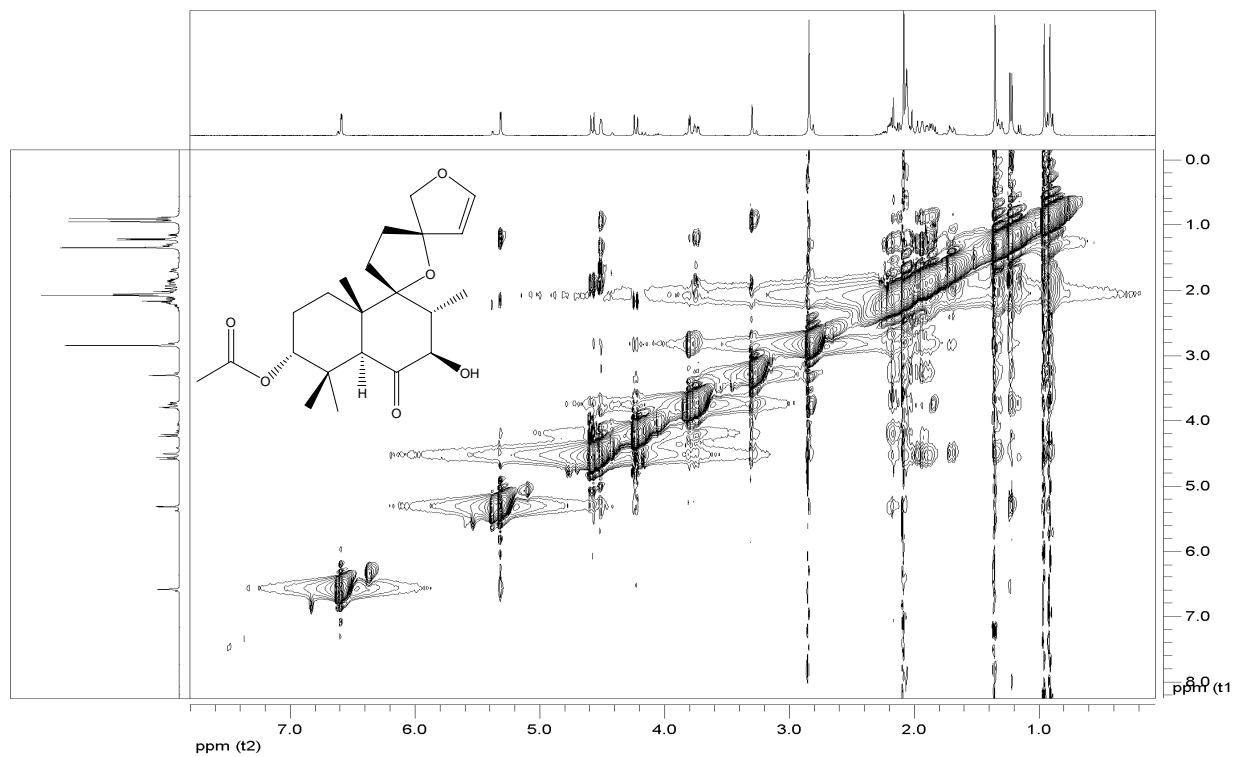
S16. HMQC spectrum of the new compound **3**



S17. HMBC spectrum of the new compound **3**

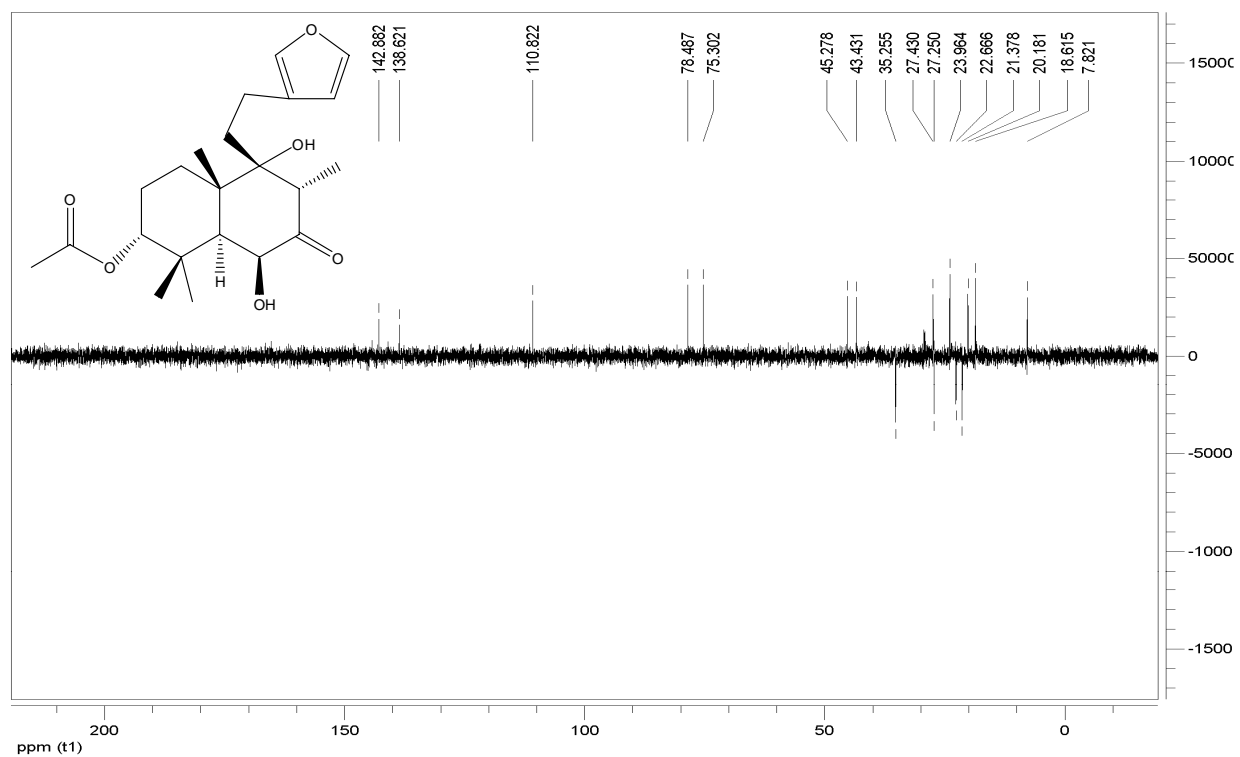


S18. NOESY spectrum of the new compound **3**

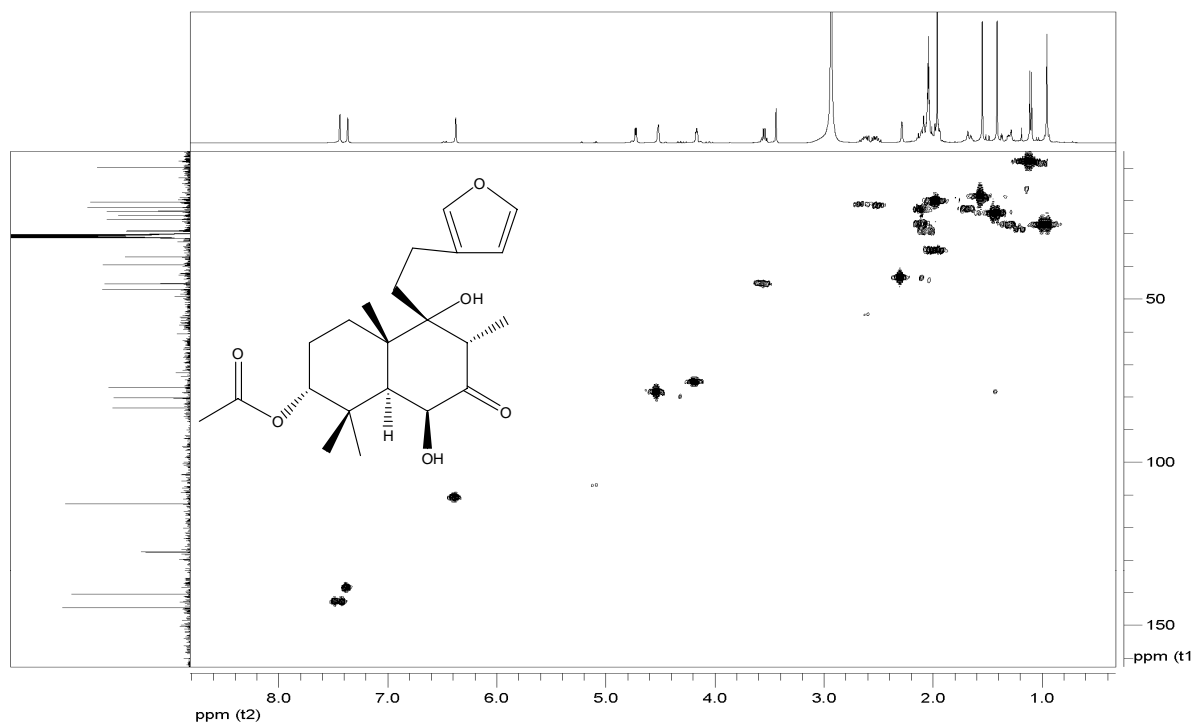




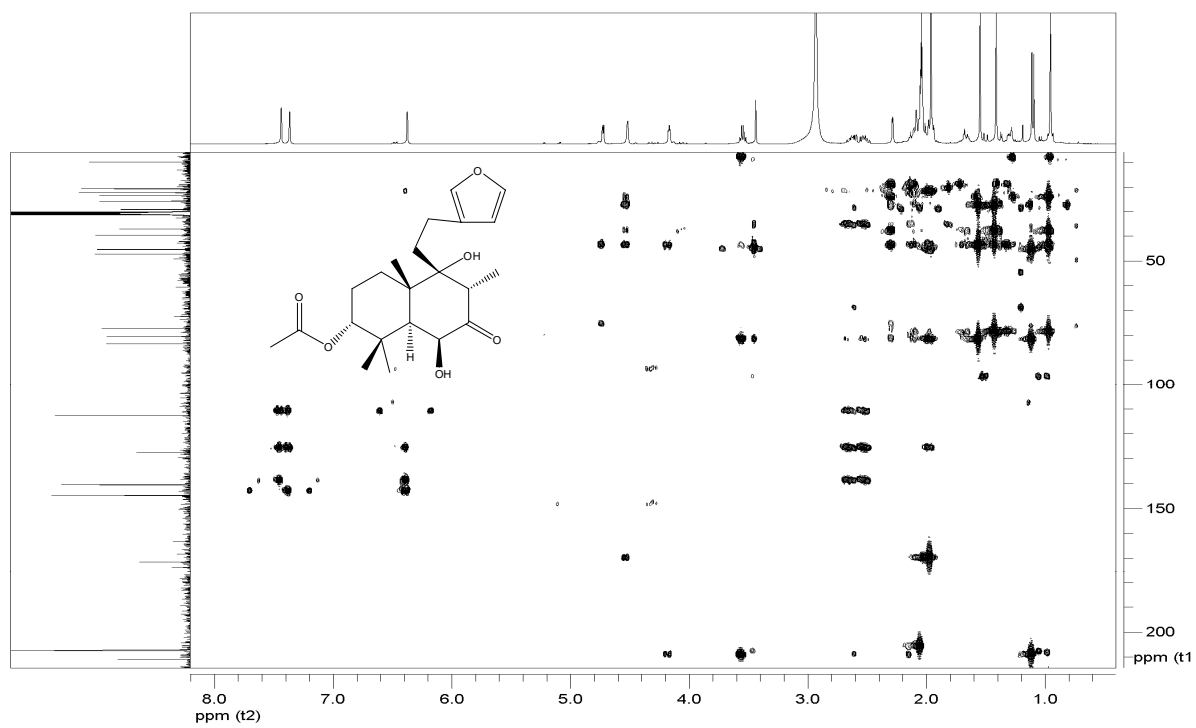
S21. DEPT 135 spectrum of the new compound **4**



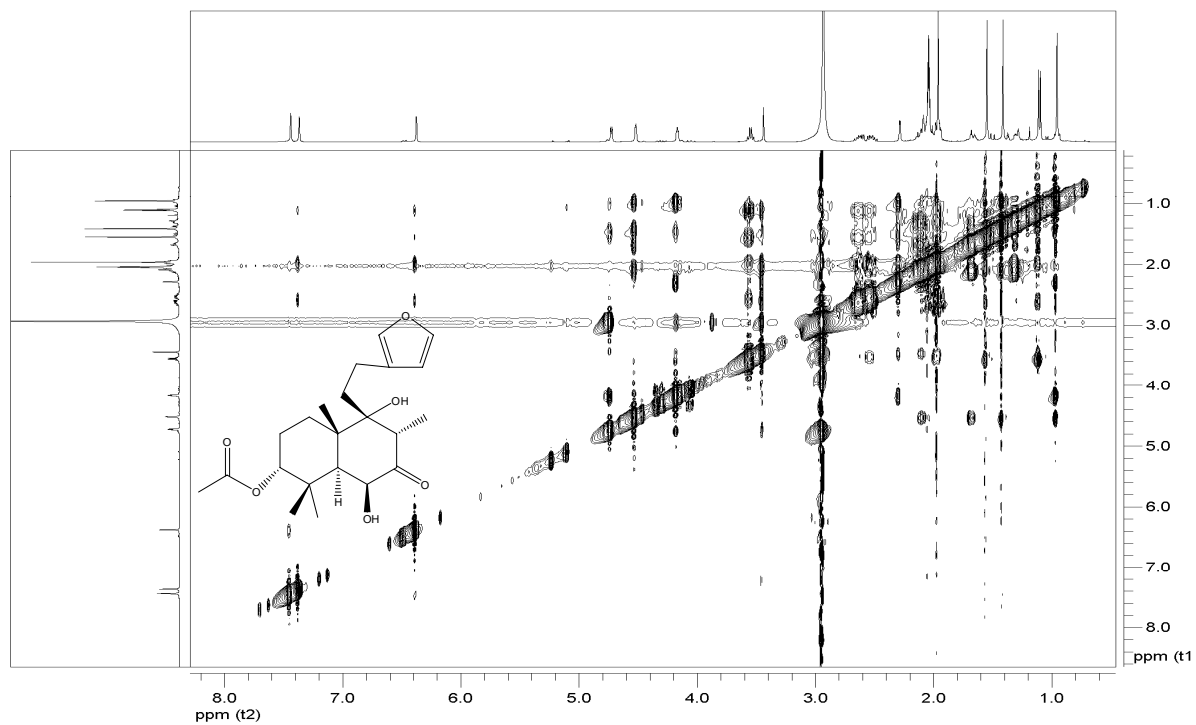
S22. HMQC spectrum of the new compound **4**



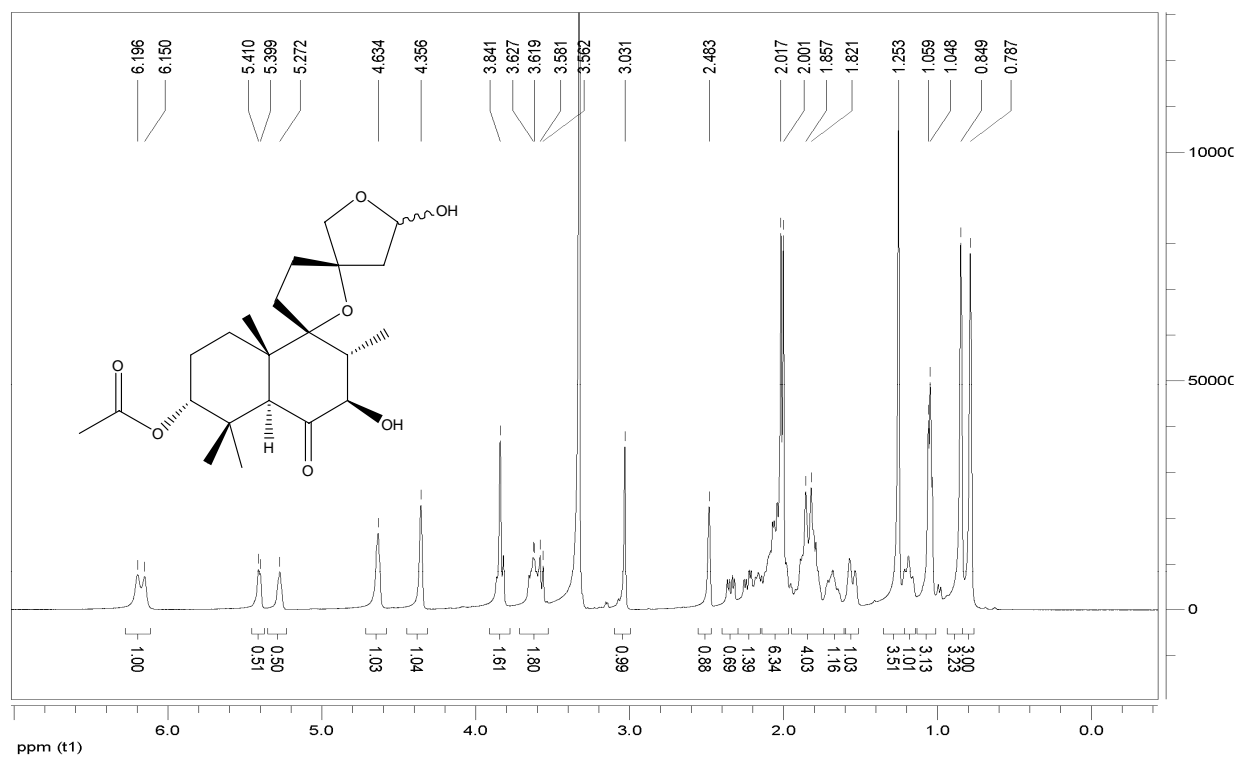
S23. HMBC spectrum of the new compound **4**



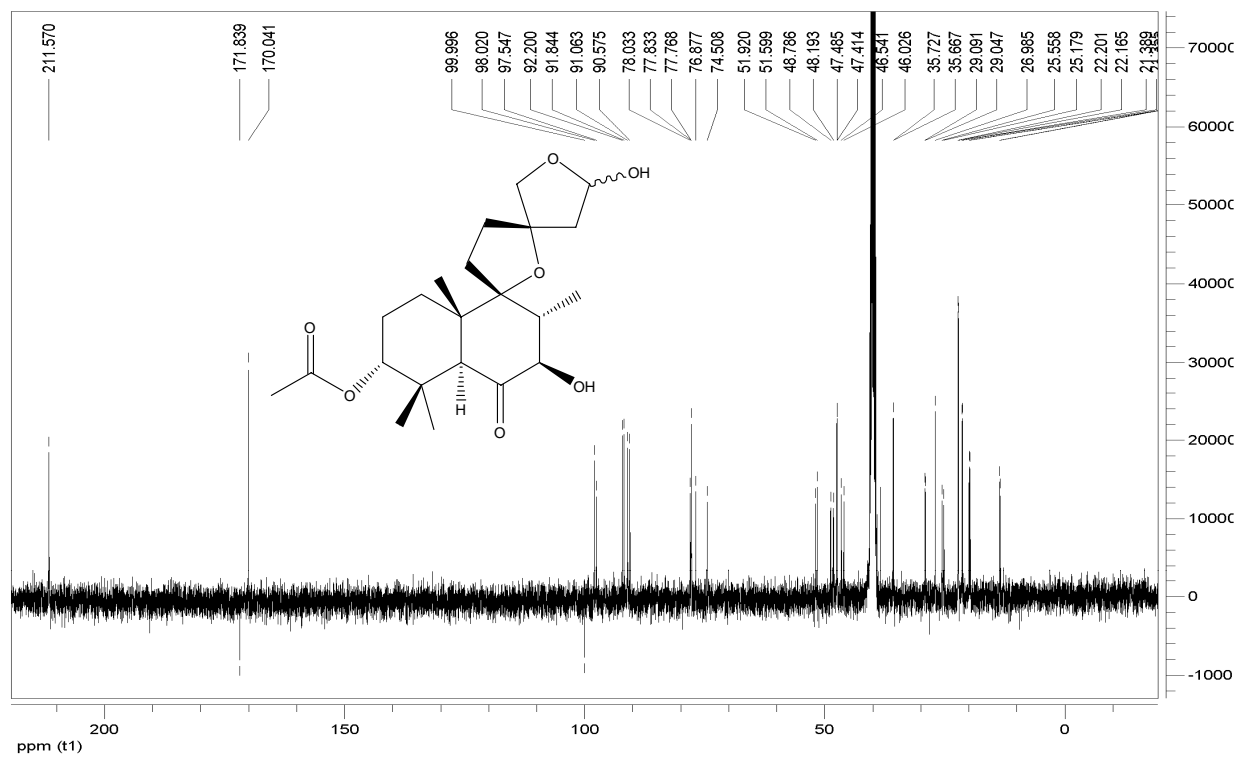
S24. NOESY spectrum of the new compound **4**



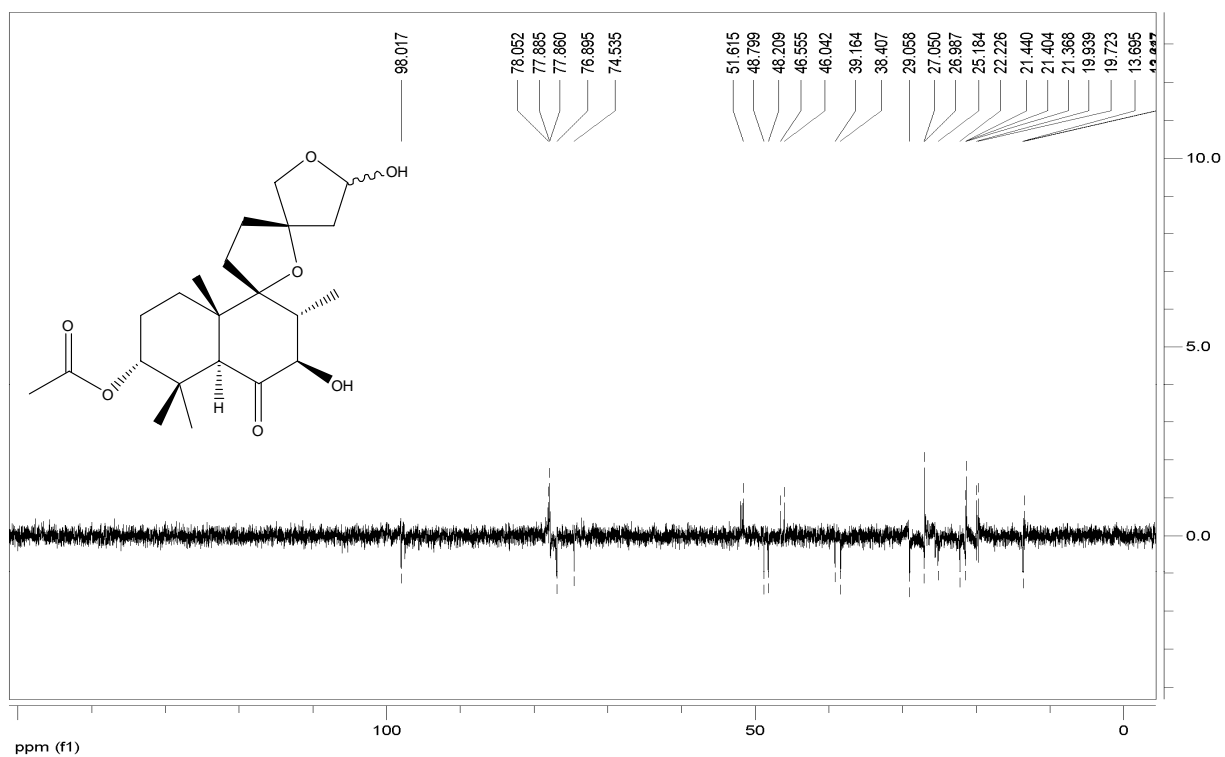
S25.  $^1\text{H}$  NMR (400 MHz,  $\text{DMSO-}d_6$ ) spectrum of the new compound **5/6**



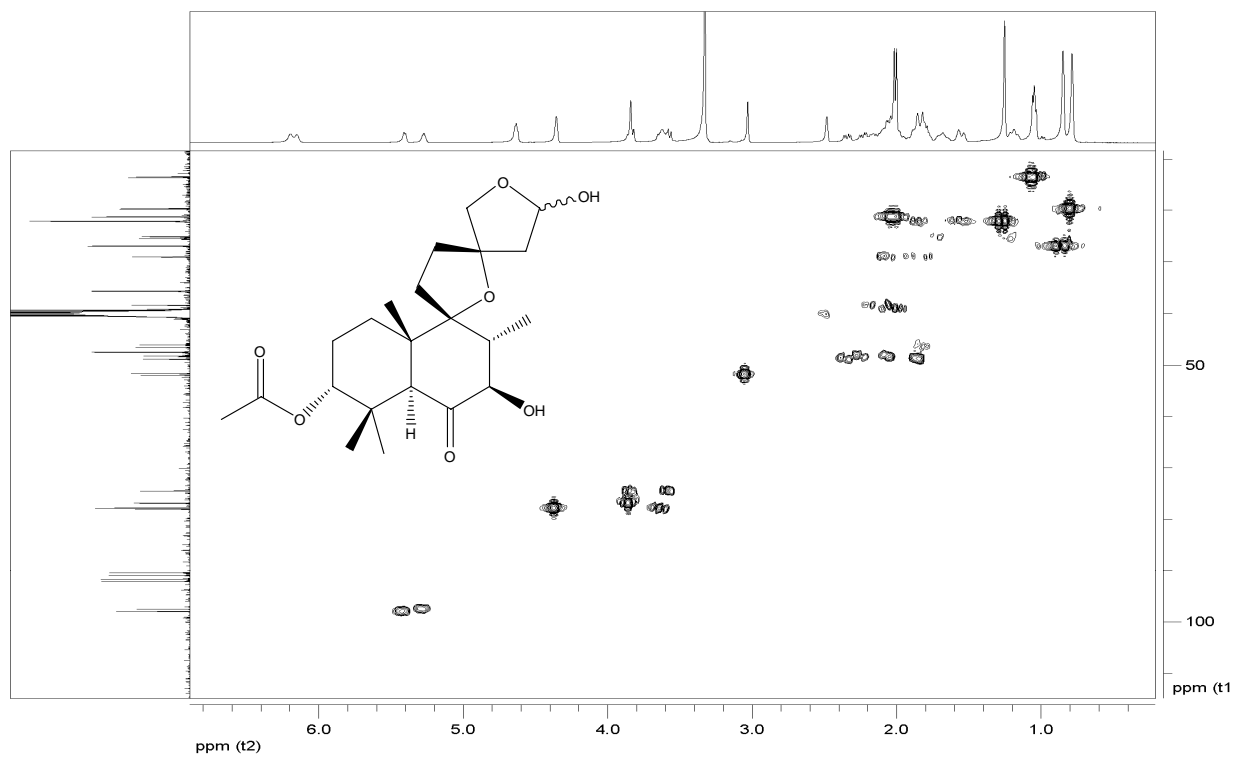
S26.  $^{13}\text{C}$  NMR (100 MHz,  $\text{DMSO-}d_6$ ) spectrum of the new compound **5/6**



S27. DEPT 135 spectrum of the new compound **5/6**

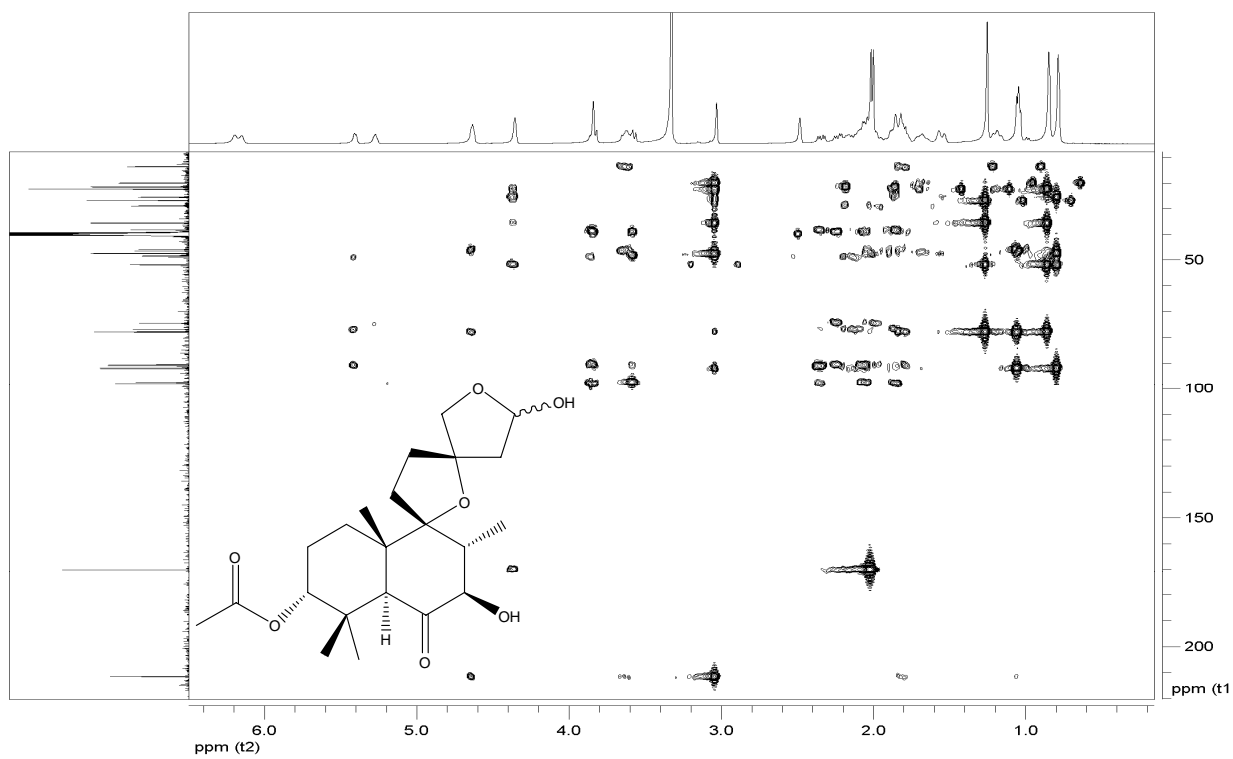


S28. HMQC spectrum of the new compound **5/6**





S29. HMBC spectrum of the new compound **5/6**



S30. NOESY spectrum of the new compound **5/6**

