## **Supporting Information**

ent-Rosane diterpenoids from the aerial parts of Euphorbia milii with activity against Epstein-Barr virus lytic replication

Shao-Nan Liu,<sup>a</sup> Jia-Yuan Hu,<sup>b</sup> Shen H. Tan,<sup>a</sup> Qian Wang,<sup>b</sup> Jun Xu,<sup>a</sup> Yan Wang,<sup>c</sup> Yan Yuan,<sup>\*,b,d</sup> and Qiong Gu<sup>\*,a</sup>

<sup>a</sup>Research Center for Drug Discovery, School of Pharmaceutical Sciences, Sun Yat-sen University, Guangzhou 510006, People's Republic of China

<sup>b</sup>The Institute of Human Virology, Zhongshan School of Medicine, Sun Yat-sen University, Guangzhou, Guangdong 510080, People's Republic of China

<sup>c</sup>Guanghua School of Stomatology, Sun Yat-sen University, Guangdong Provincial Key Laboratory of Stomatology, Guangzhou 510080, People's Republic of China

<sup>d</sup>Department of Microbiology, School of Dental Medicine, University of Pennsylvania, Philadelphia, Pennsylvania 19104, United States

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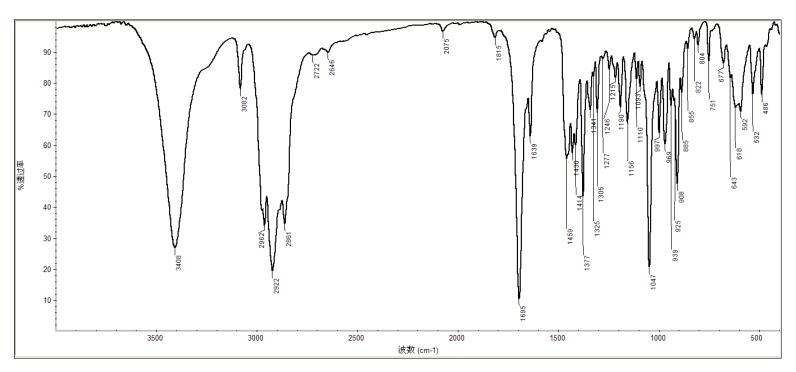


Figure S1. The IR Spectra of Compound 1

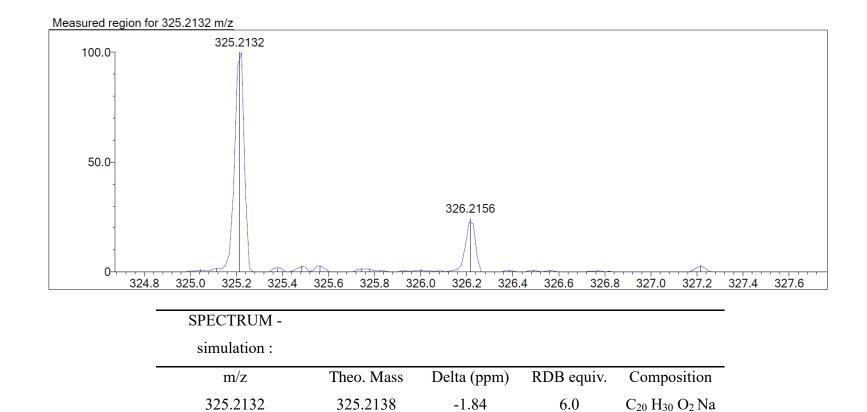


Figure S2. The HRESIMS Spectroscopic Data of Compound 1

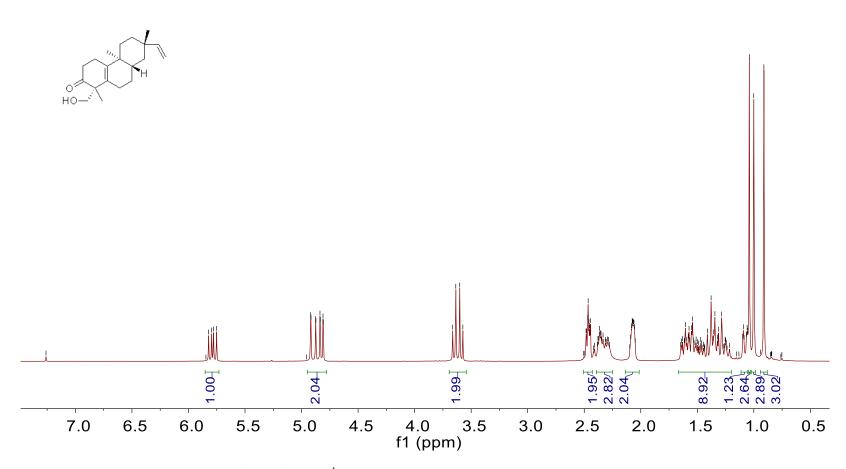


Figure S3. The <sup>1</sup>H NMR Spectrum of Compound 1 in CDCl<sub>3</sub>

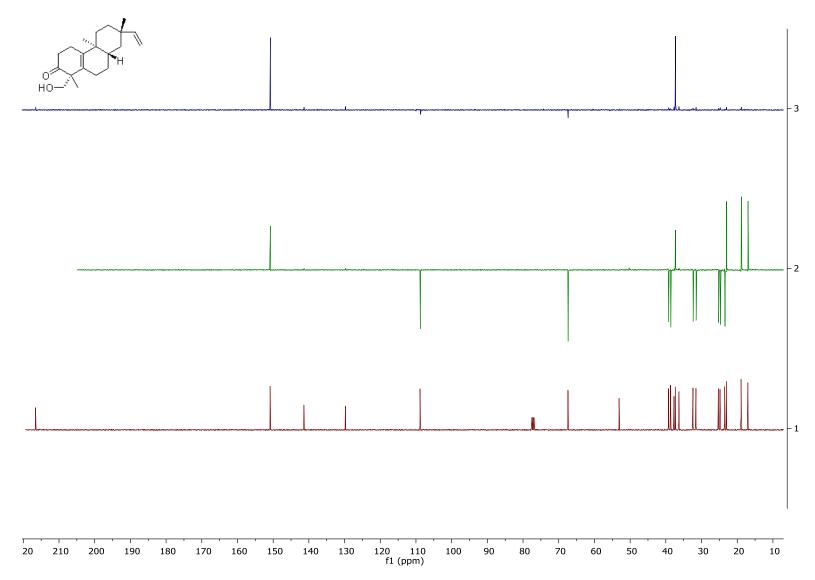


Figure S4. The <sup>13</sup>C NMR Spectrum of Compound 1 in CDCl<sub>3</sub>

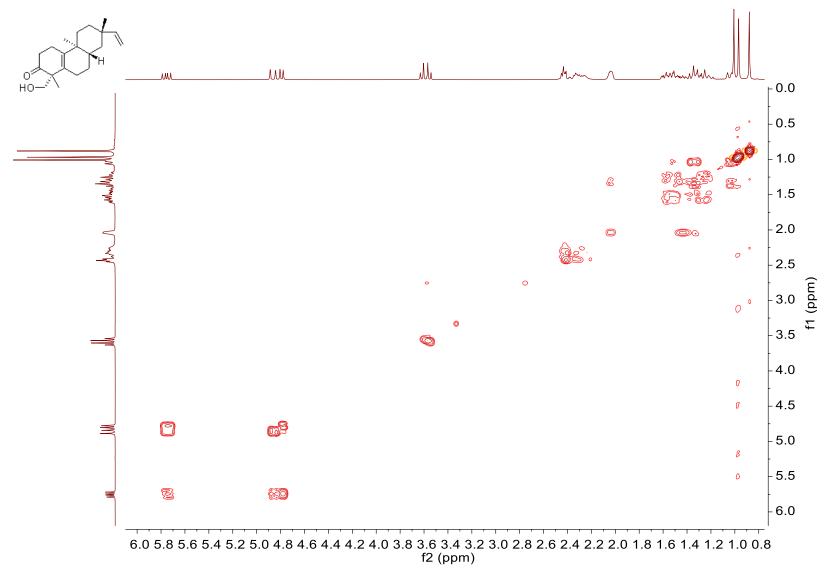


Figure S5. The <sup>1</sup>H-<sup>1</sup>H COSY Spectrum of Compound 1 in CDCl<sub>3</sub>

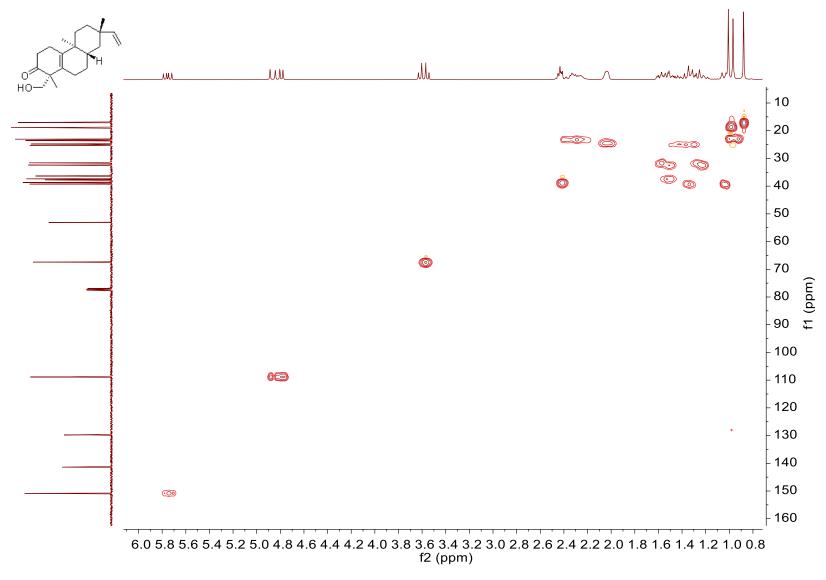


Figure S6. The HSQC Spectrum of Compound  ${\bf 1}$  in CDCl<sub>3</sub>

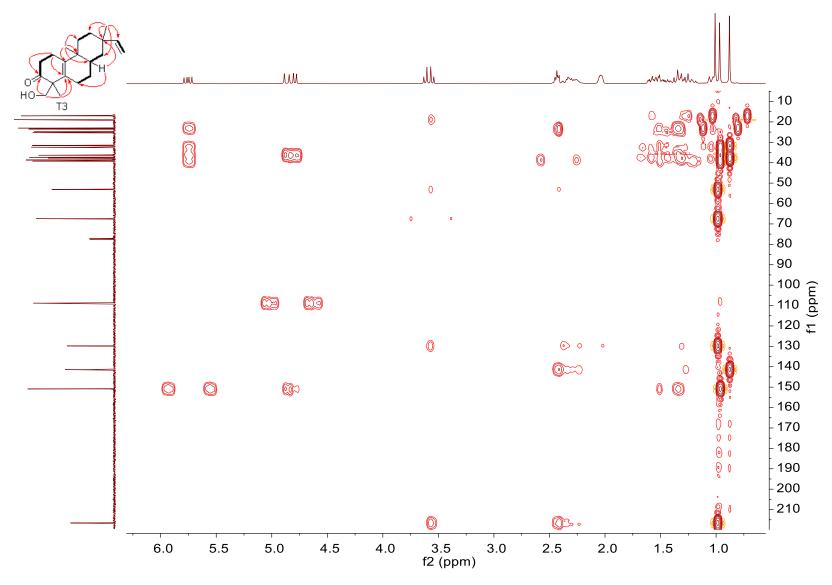


Figure S7. The HMBC Spectrum of Compound 1 in CDCl<sub>3</sub>

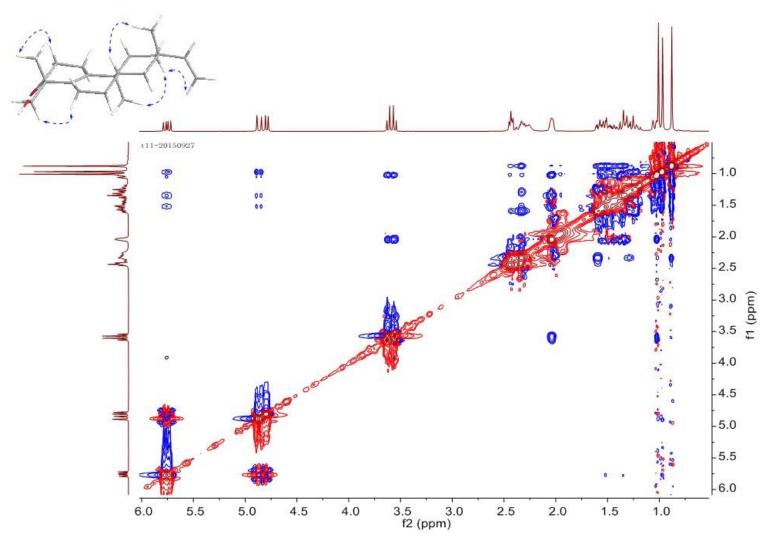


Figure S8. The NOESY Spectrum of Compound 1 in CDCl<sub>3</sub>

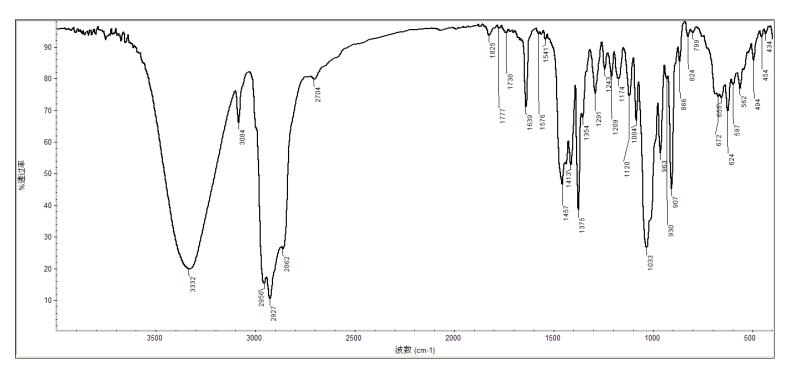


Figure S9. The IR Spectra of Compound 2

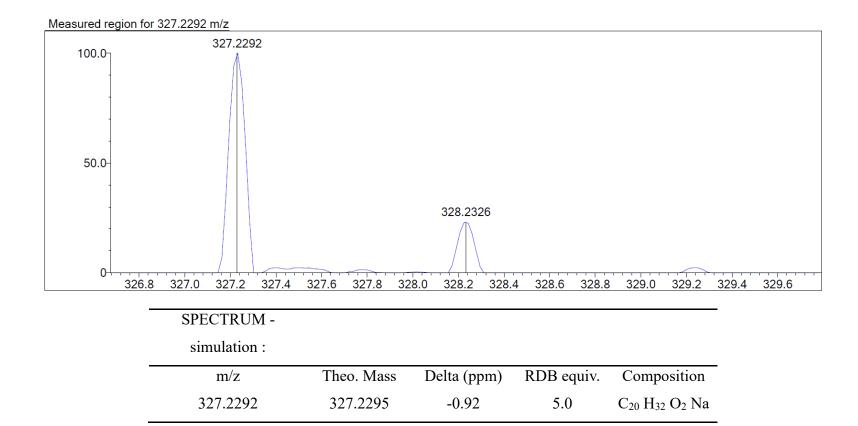
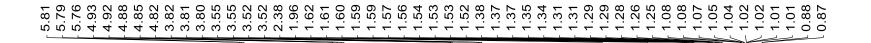


Figure S10. The HRESIMS Spectroscopic Data of Compound  ${\bf 2}$ 



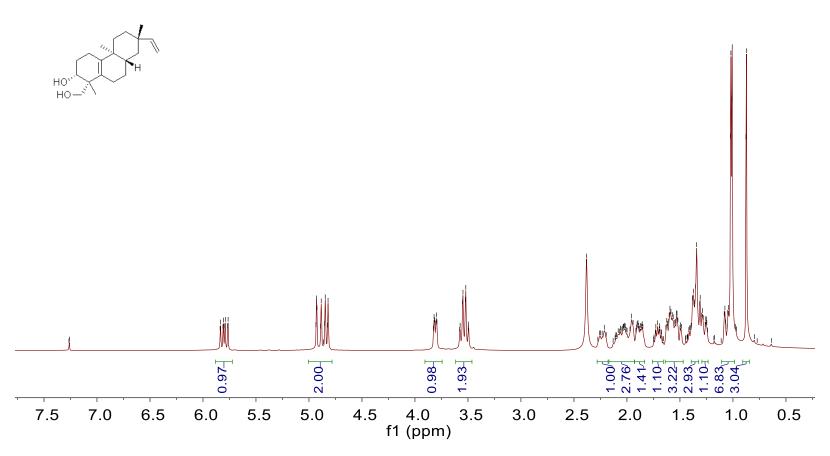


Figure S11. The <sup>1</sup>H NMR Spectrum of Compound 2 in CDCl<sub>3</sub>

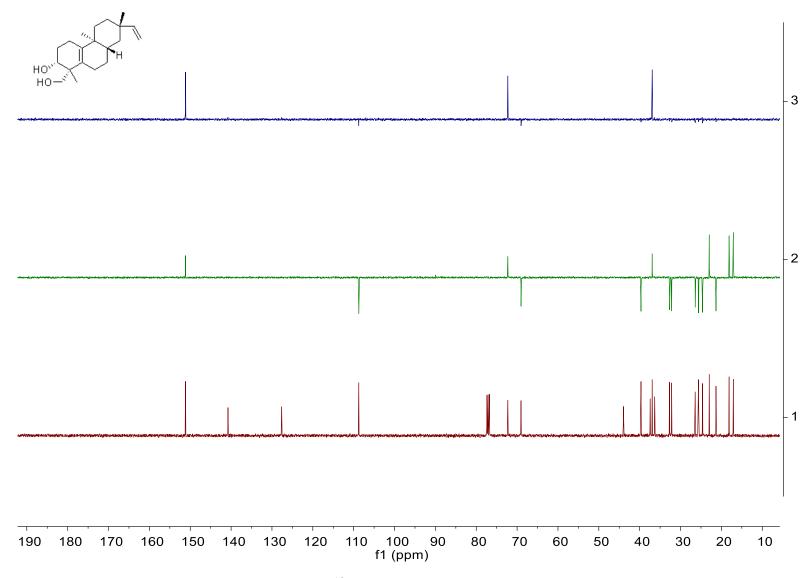


Figure S12. The <sup>13</sup>C NMR Spectrum of Compound 2 in CDCl<sub>3</sub>

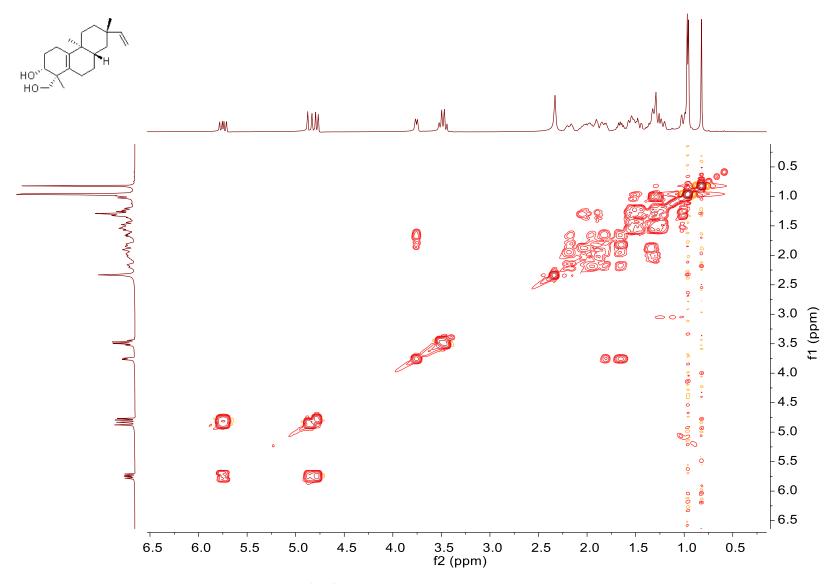


Figure S13. The <sup>1</sup>H-<sup>1</sup>H COSY Spectrum of Compound 2 in CDCl<sub>3</sub>

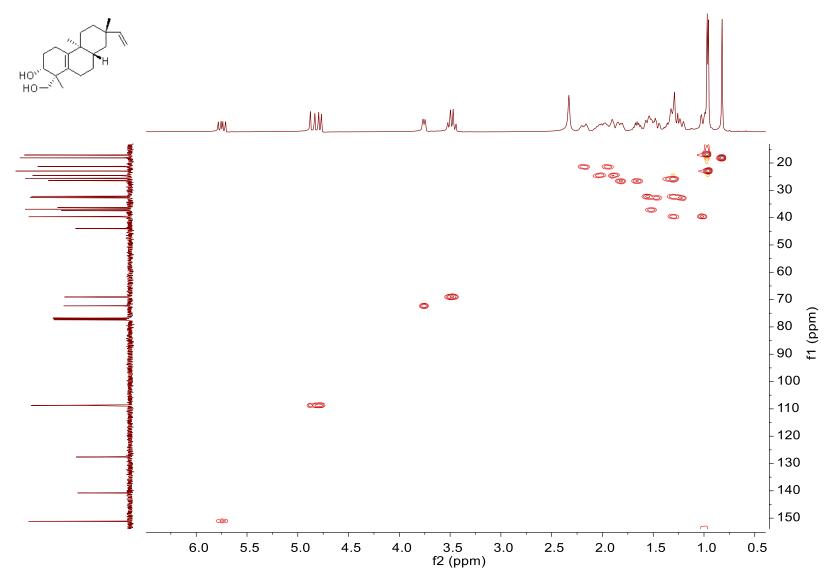


Figure S14. The HSQC Spectrum of Compound 2 in CDCl<sub>3</sub>

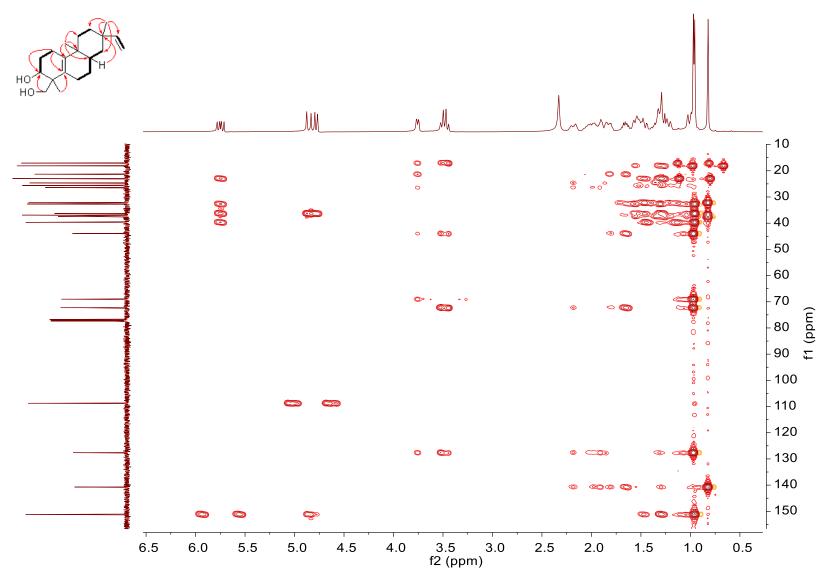


Figure S15. The HMBC Spectrum of Compound 2 in CDCl<sub>3</sub>

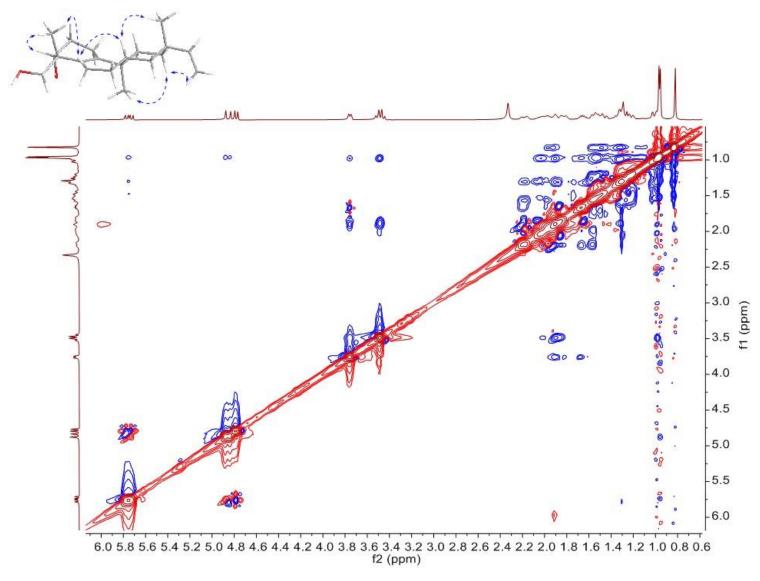


Figure S16. The NOESY Spectrum of Compound 2 in CDCl<sub>3</sub>

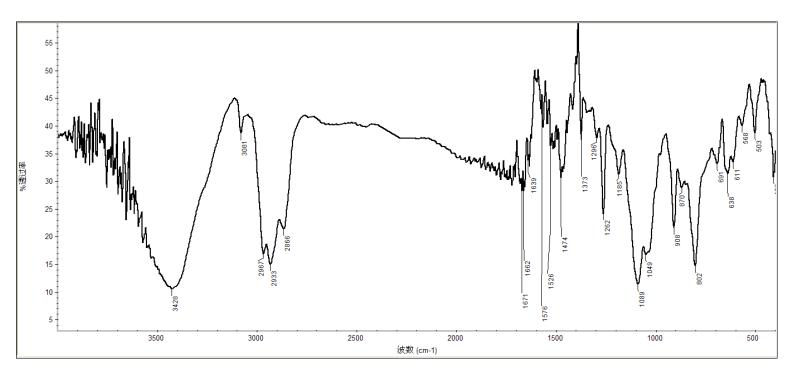


Figure S17. The IR Spectra of Compound 3

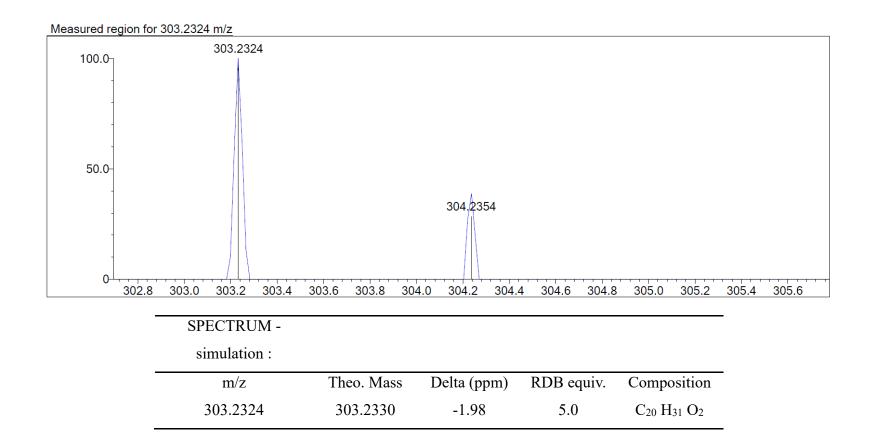


Figure S18. The HRESIMS Spectroscopic Data of Compound 3

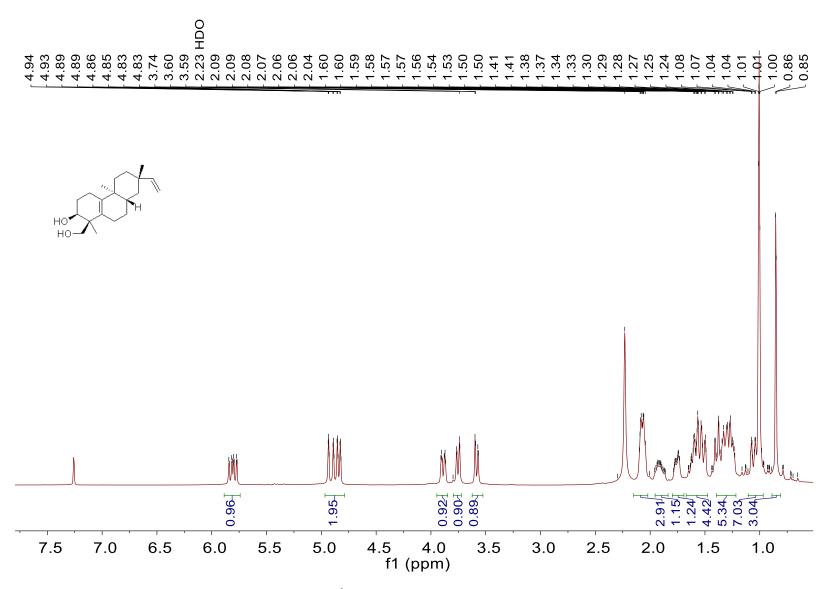


Figure S19. The <sup>1</sup>H NMR Spectrum of Compound 3 in CDCl<sub>3</sub>

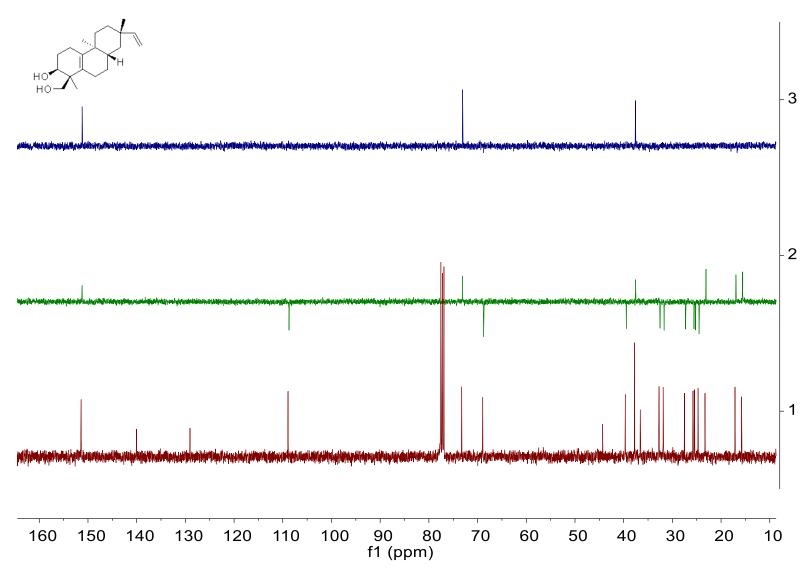


Figure S20. The <sup>13</sup>C NMR Spectrum of Compound 3 in CDCl<sub>3</sub>

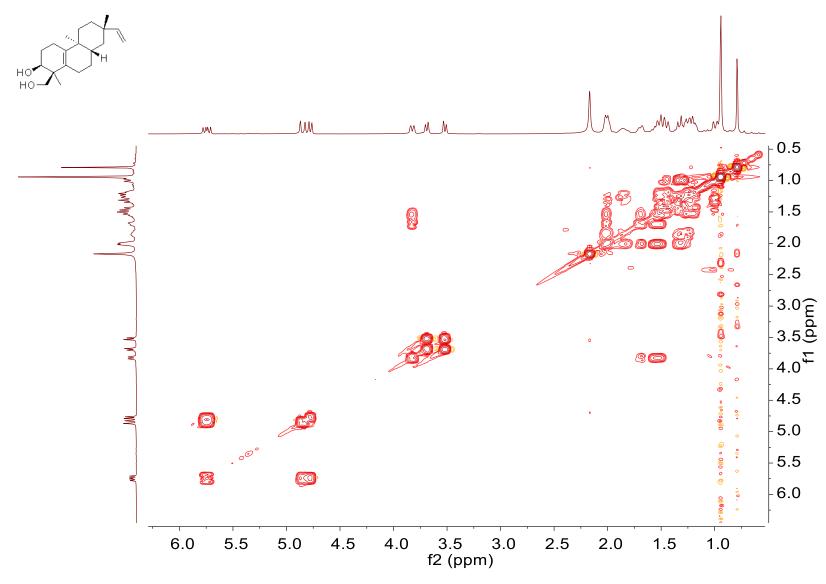


Figure S21. The <sup>1</sup>H-<sup>1</sup>H COSY Spectrum of Compound 3 in CDCl<sub>3</sub>

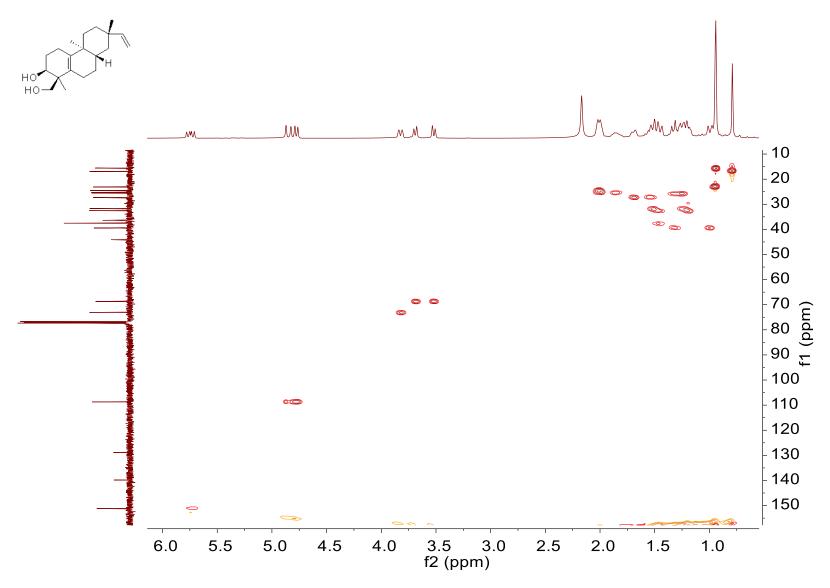


Figure S22. The HSQC Spectrum of Compound 3 in  $CDCl_3$ 

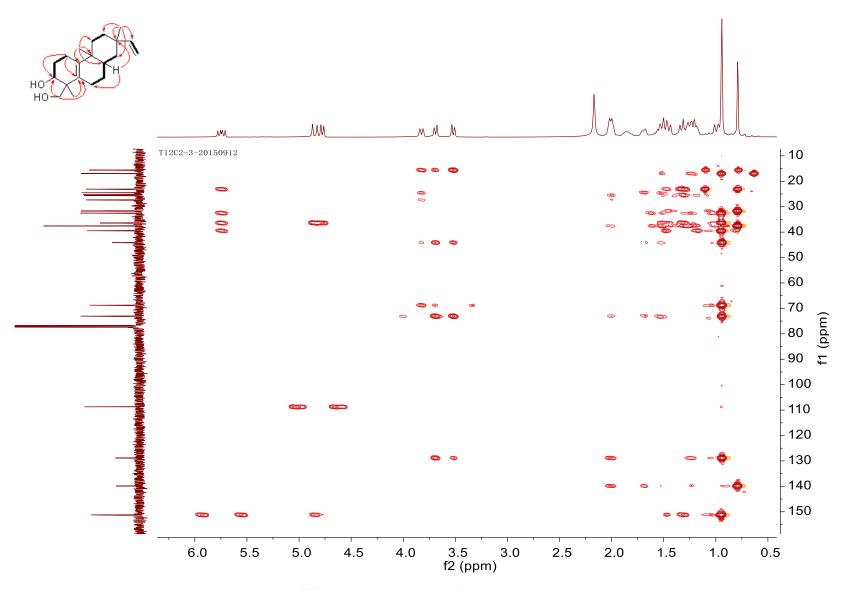


Figure S23. The HMBC Spectrum of Compound 3 in CDCl<sub>3</sub>

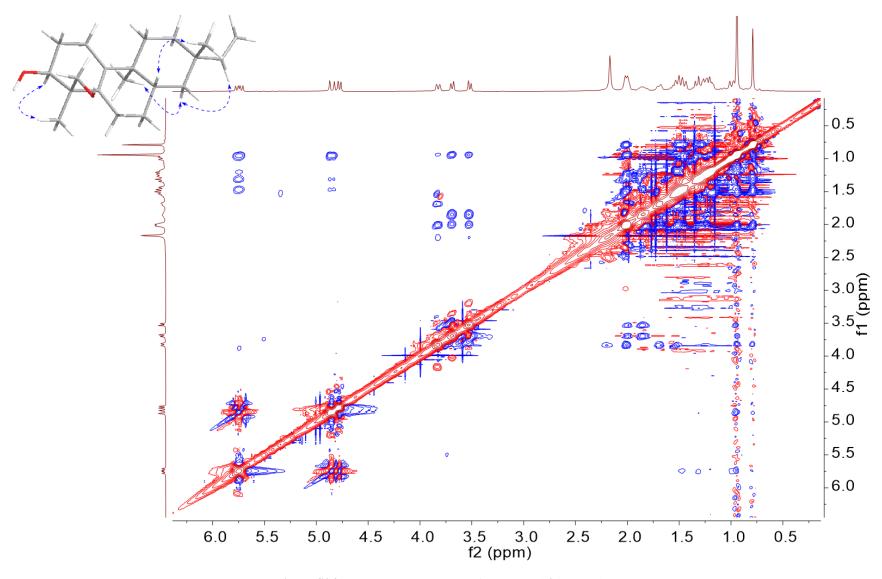


Figure S24. The NOESY Spectrum of Compound 3 in CDCl<sub>3</sub>

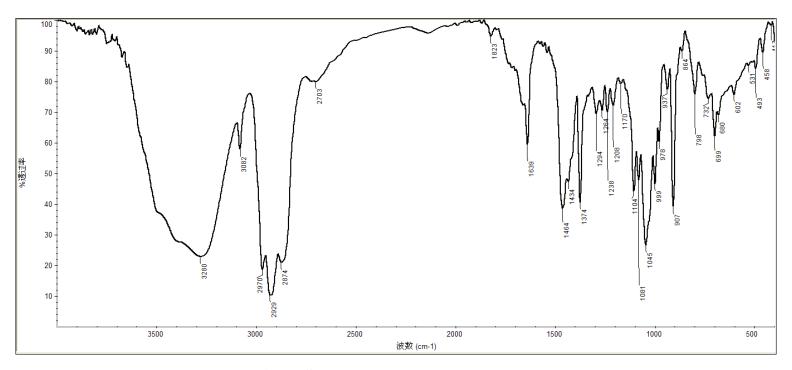


Figure S25. The IR Spectra of Compound 4

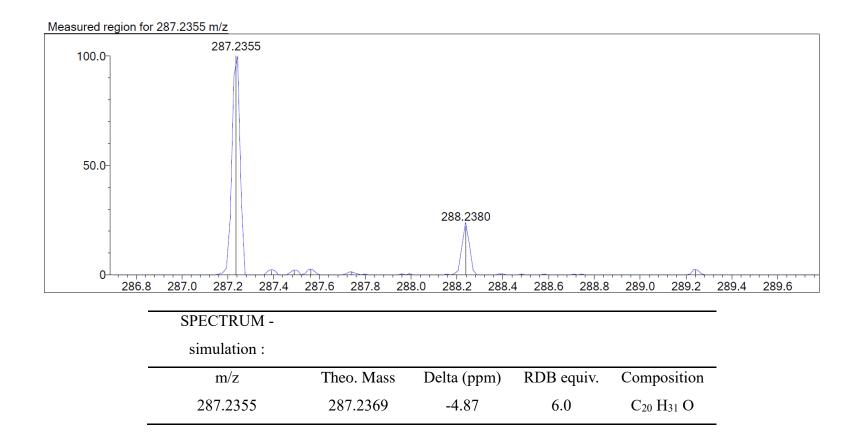
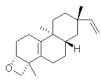


Figure S26. The HRESIMS Spectroscopic Data of Compound 4





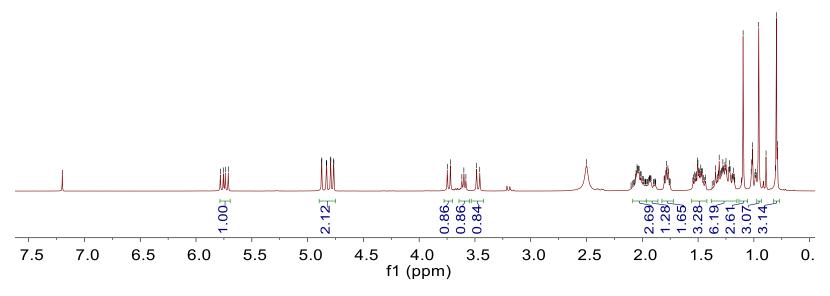


Figure S27. The <sup>1</sup>H NMR Spectrum of Compound 4 in CDCl<sub>3</sub>

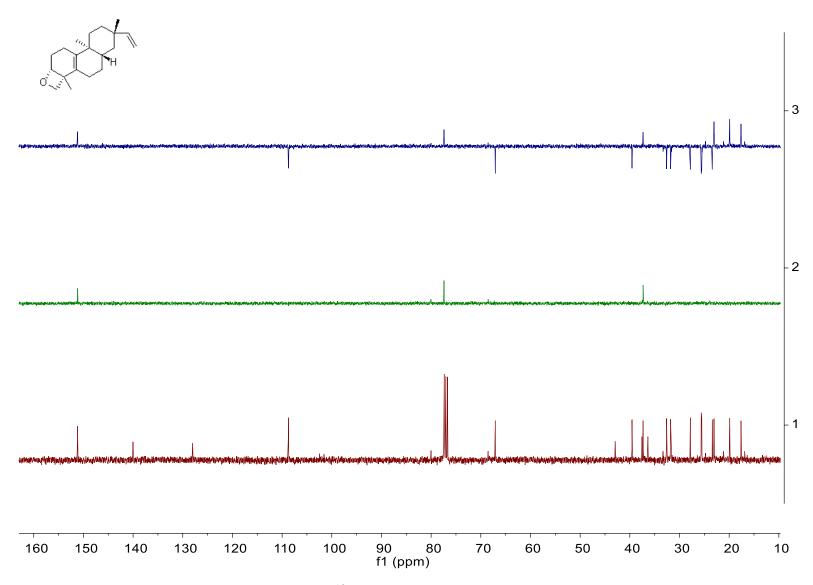


Figure S28. The  $^{13}\text{C}$  NMR Spectrum of Compound 4 in CDCl $_3$ 

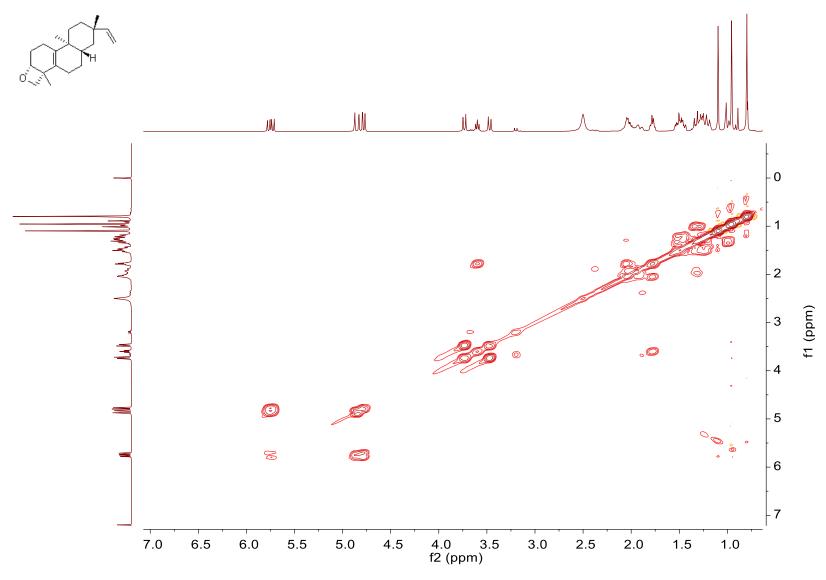


Figure S29. The <sup>1</sup>H-<sup>1</sup>H COSY Spectrum of Compound 4 in CDCl<sub>3</sub>

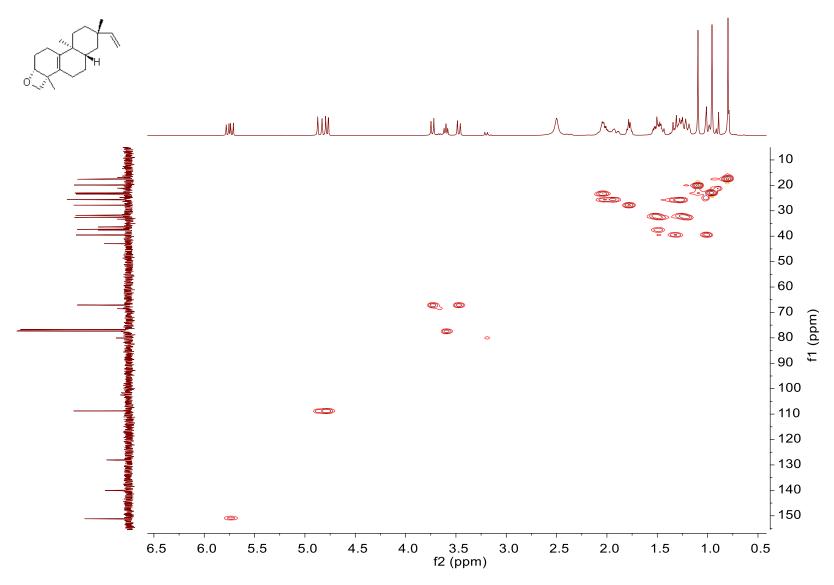


Figure S30. The HSQC Spectrum of Compound 4 in CDCl<sub>3</sub>

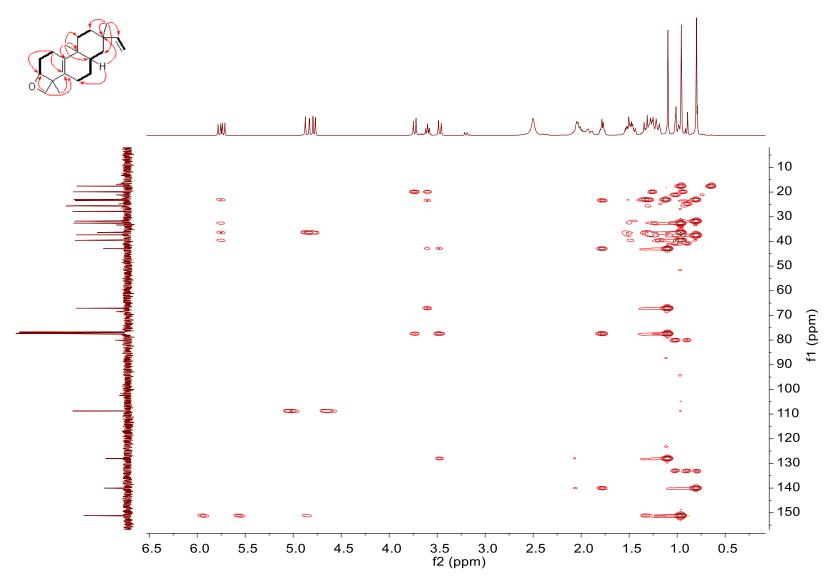


Figure S31. The HMBC Spectrum of Compound 4 in  $CDCl_3$ 

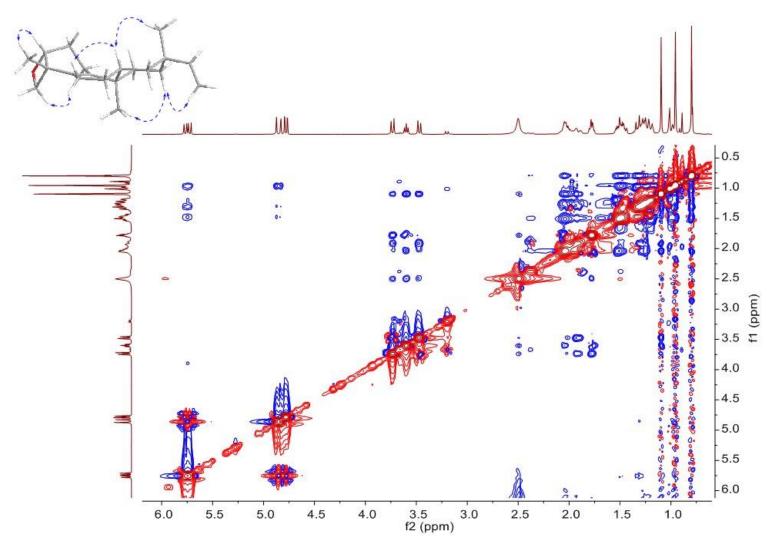


Figure S32. The NOESY Spectrum of Compound 4 in CDCl<sub>3</sub>

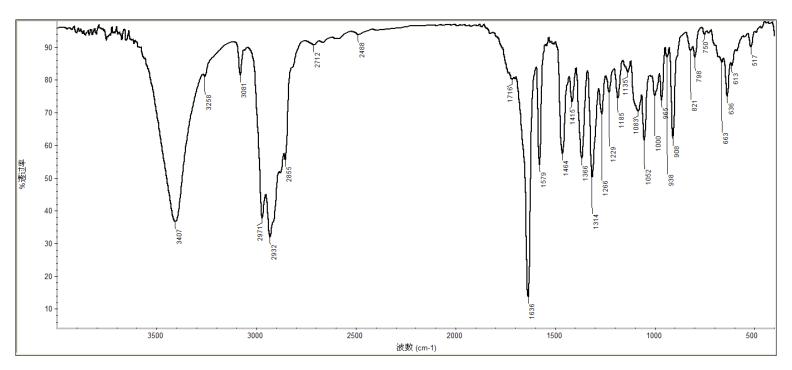


Figure S33. The IR Spectra of Compound 5

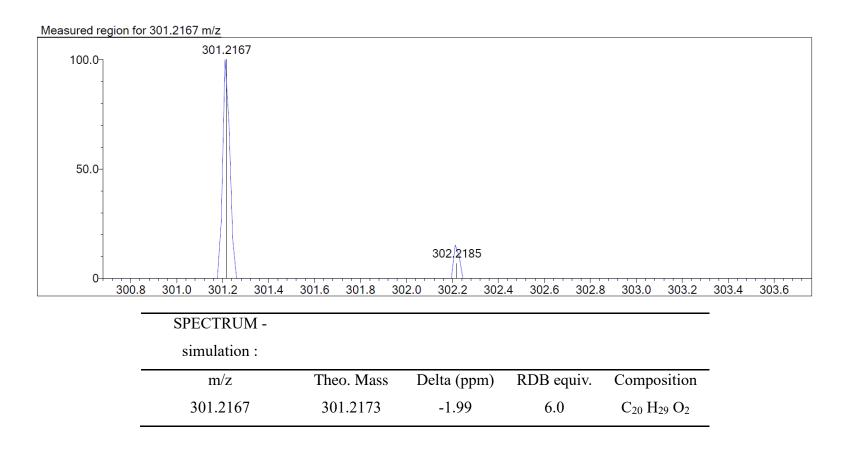


Figure S34. The HRESIMS Spectroscopic Data of Compound 5

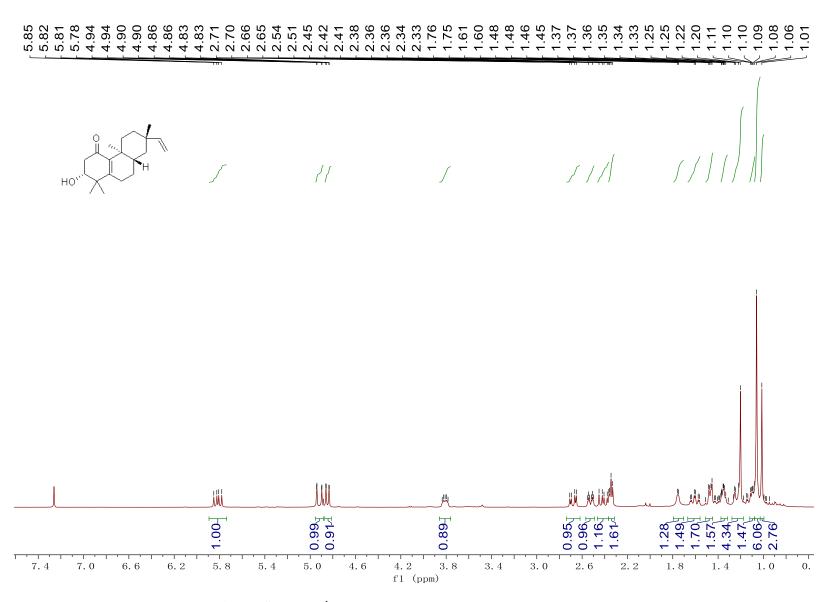


Figure S35. The <sup>1</sup>H NMR Spectrum of Compound 5 in CDCl<sub>3</sub>

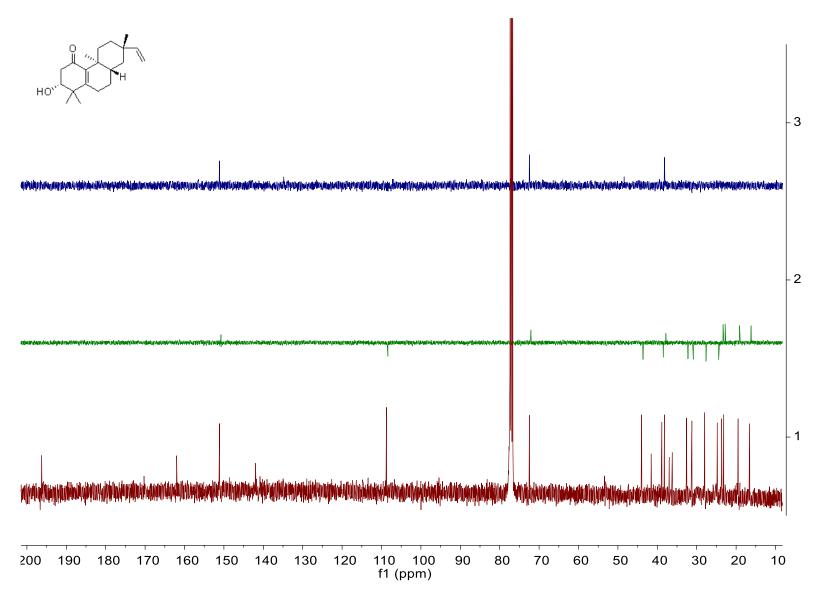


Figure S36. The <sup>13</sup>C NMR Spectrum of Compound 5 in CDCl<sub>3</sub>

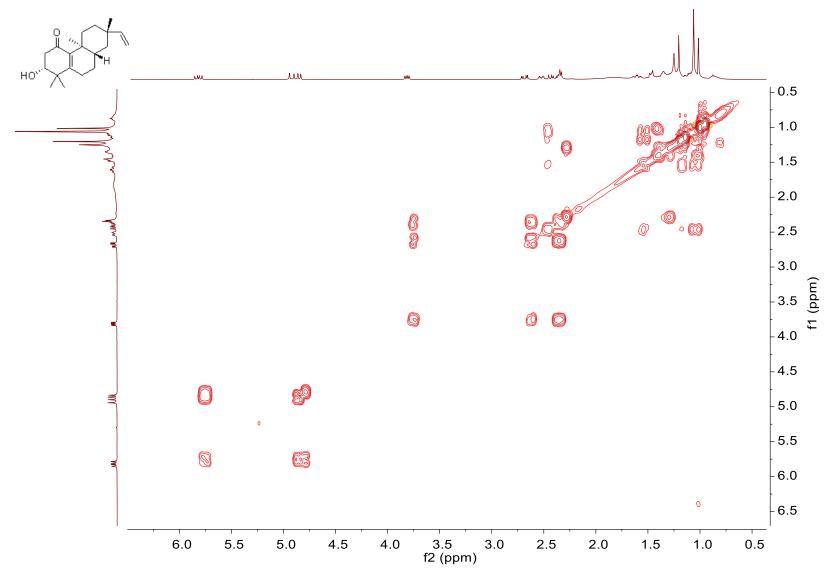


Figure S37. The  $^{1}\text{H-}^{1}\text{H}$  COSY Spectrum of Compound 5 in CDCl $_{3}$ 

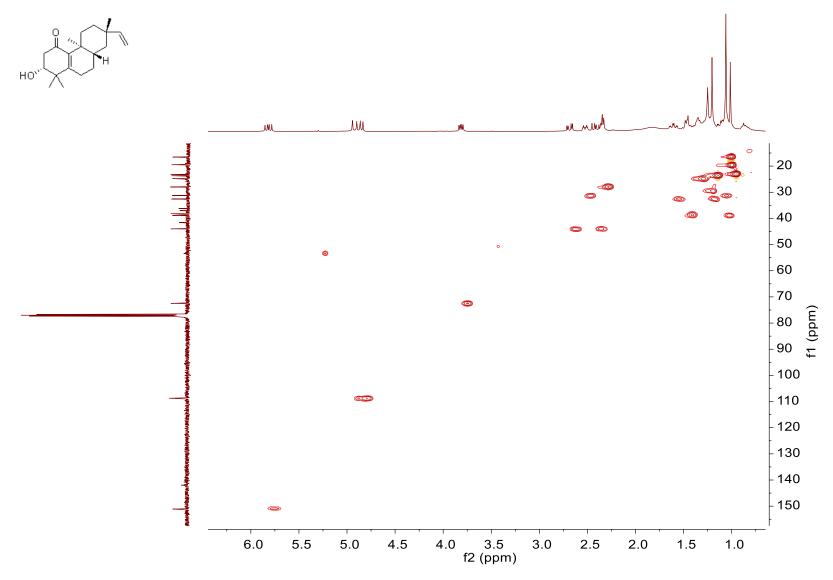


Figure S38. The HSQC Spectrum of Compound  $\bf 5$  in CDCl $_3$ 

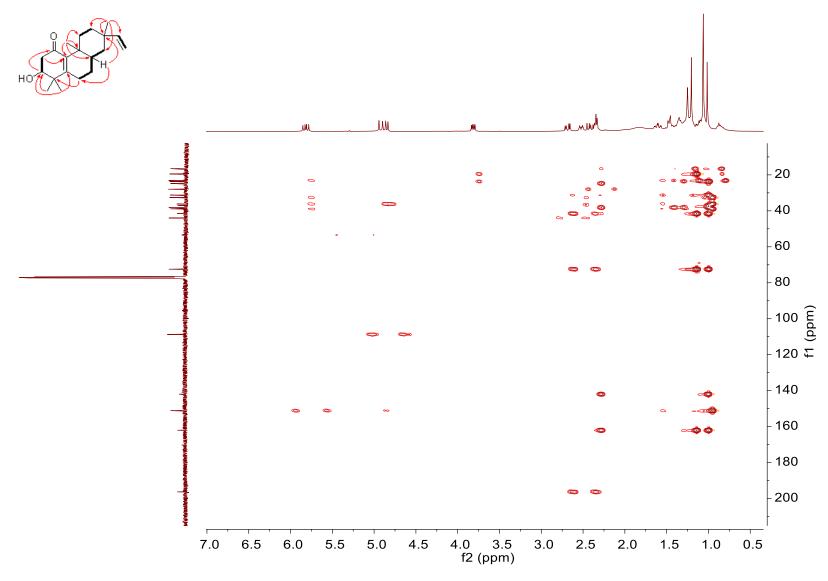


Figure S39. The HMBC Spectrum of Compound  $\bf 5$  in CDCl $_3$ 

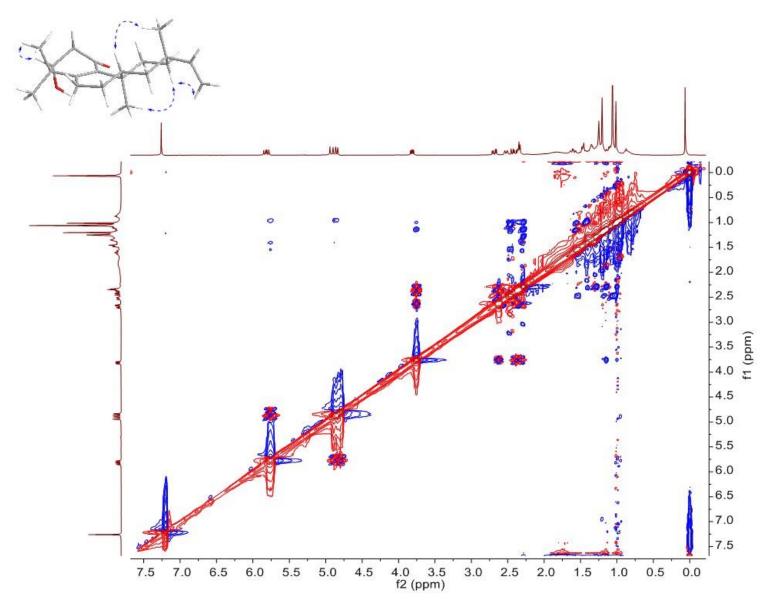


Figure S40. The NOESY Spectrum of Compound 5 in CDCl<sub>3</sub>

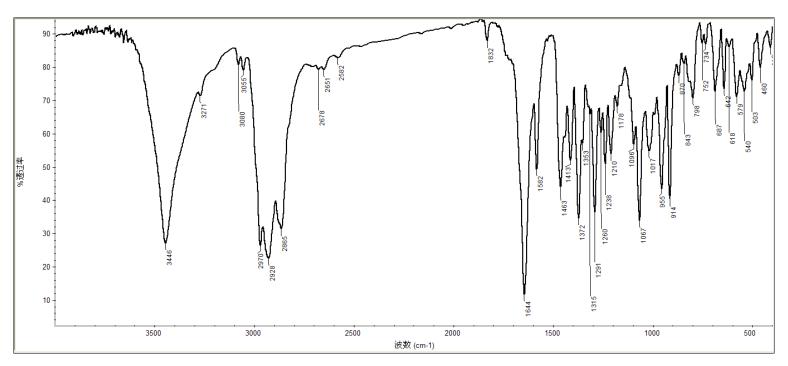


Figure S41. The IR Spectra of Compound 6

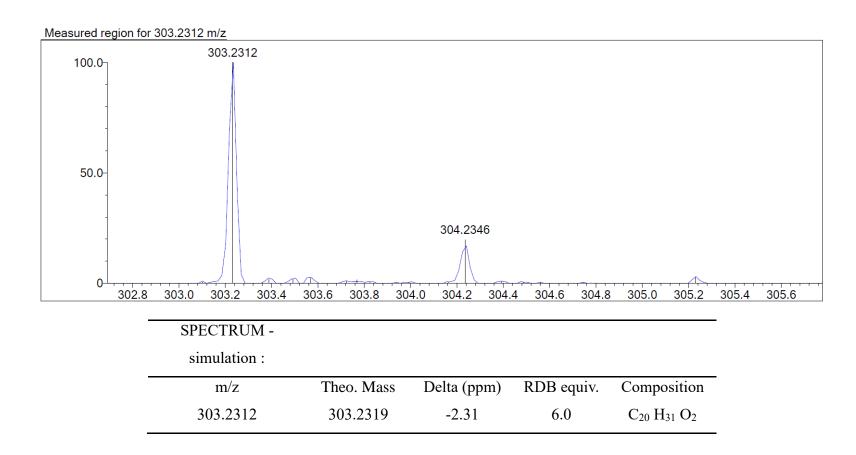


Figure S42. The HRESIMS Spectroscopic Data of Compound 6

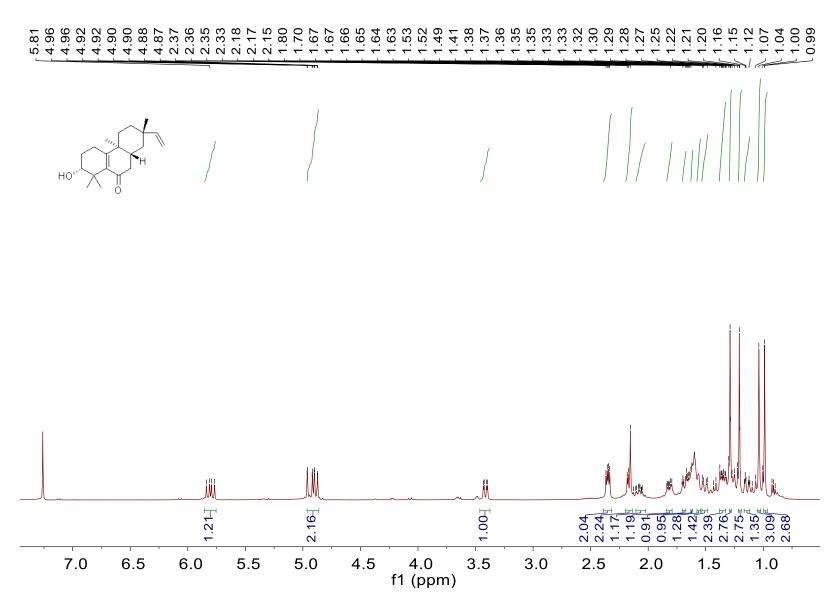


Figure S43. The <sup>1</sup>H NMR Spectrum of Compound 6 in CDCl<sub>3</sub>

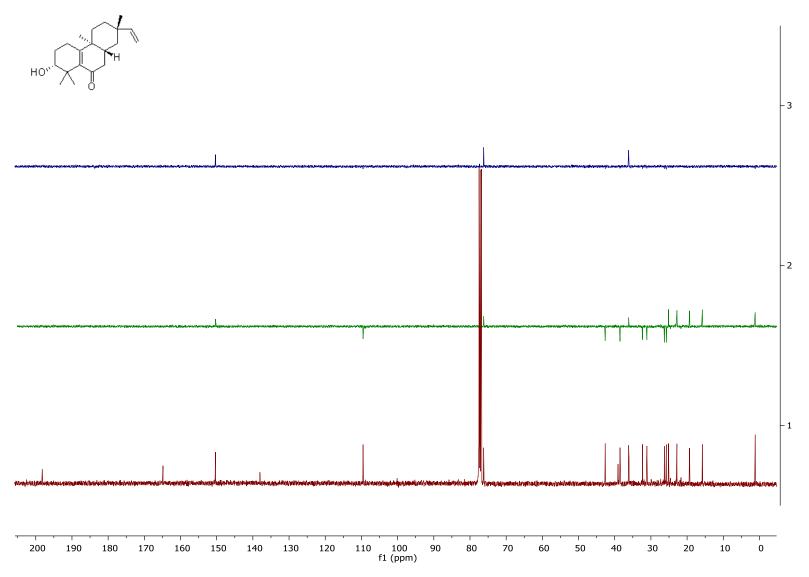


Figure S44. The <sup>13</sup>C NMR Spectrum of Compound 6 in CDCl<sub>3</sub>

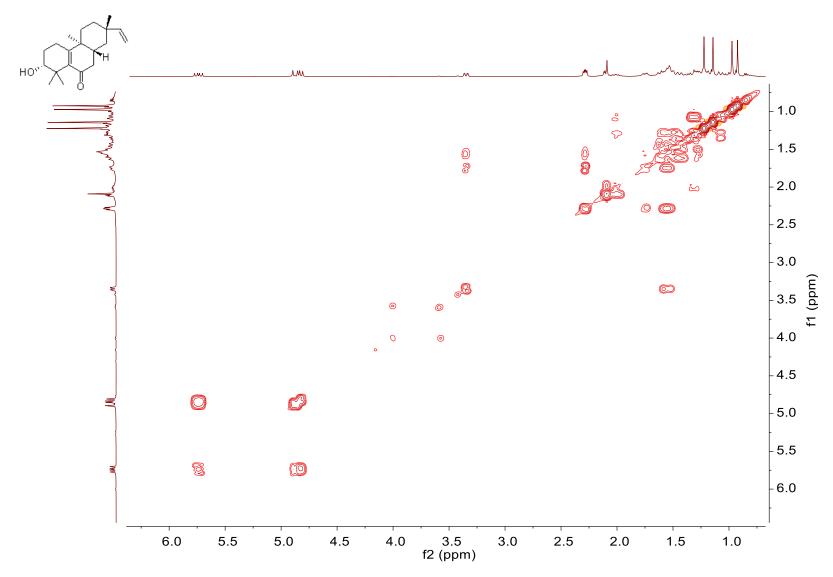


Figure S45. The <sup>1</sup>H-<sup>1</sup>H COSY Spectrum of Compound 6 in CDCl<sub>3</sub>

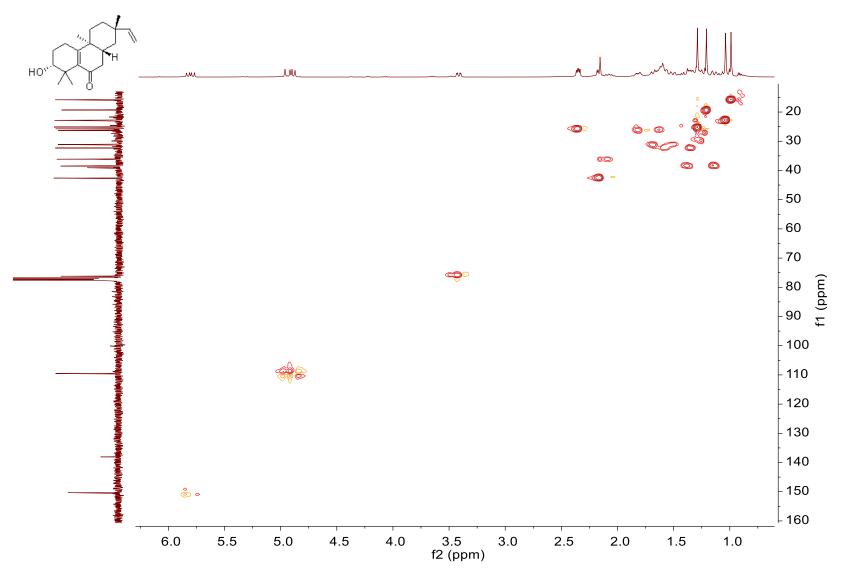


Figure S46. The HSQC Spectrum of Compound 6 in CDCl<sub>3</sub>

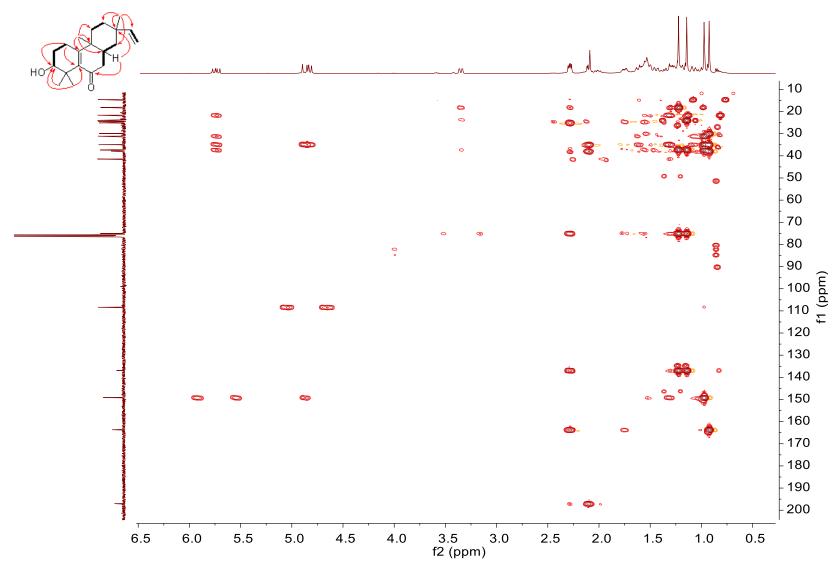


Figure S47. The HMBC Spectrum of Compound  $\bf 6$  in CDCl $_3$ 

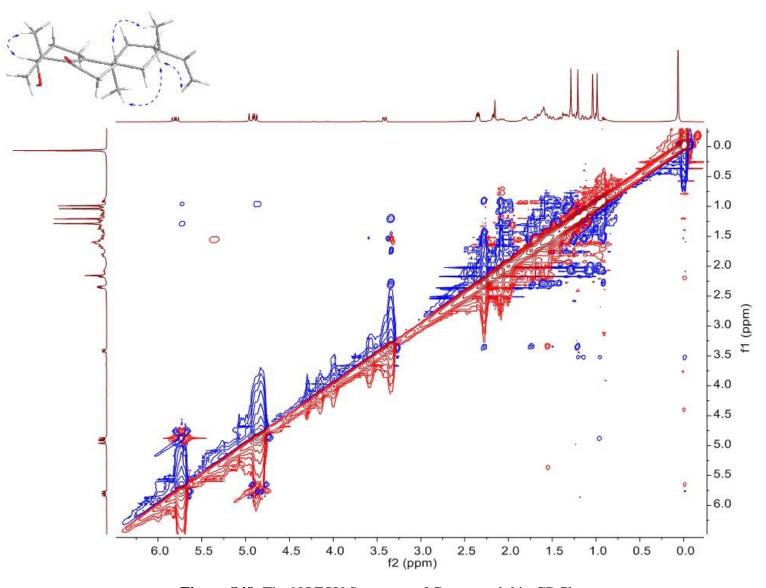


Figure S48. The NOESY Spectrum of Compound 6 in CDCl<sub>3</sub>

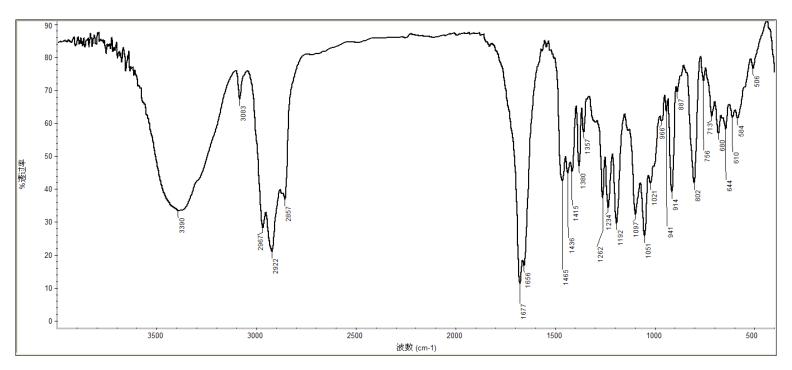


Figure S49. The IR Spectra of Compound 7

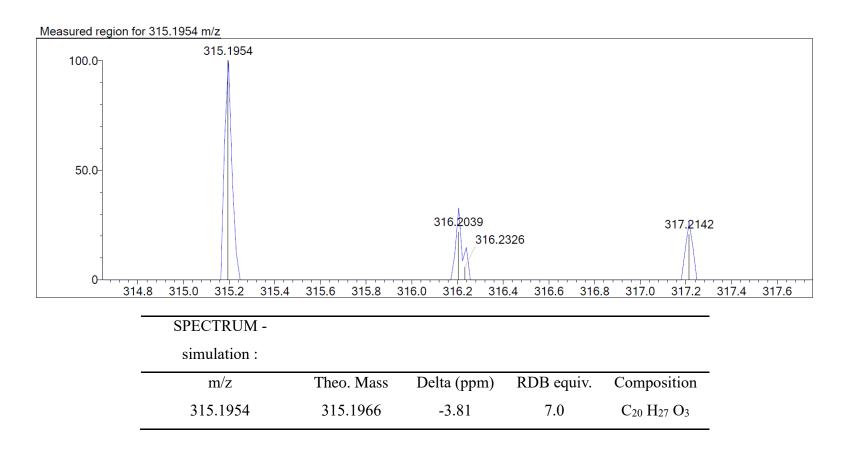
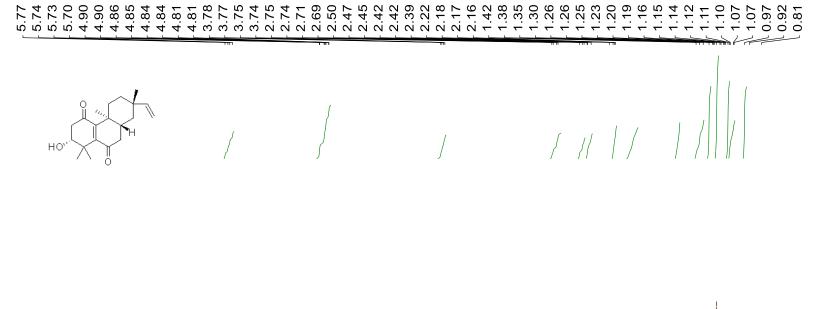


Figure S50. The HRESIMS Spectroscopic Data of Compound 7



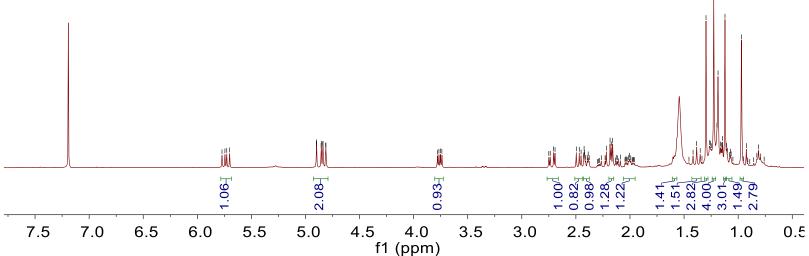
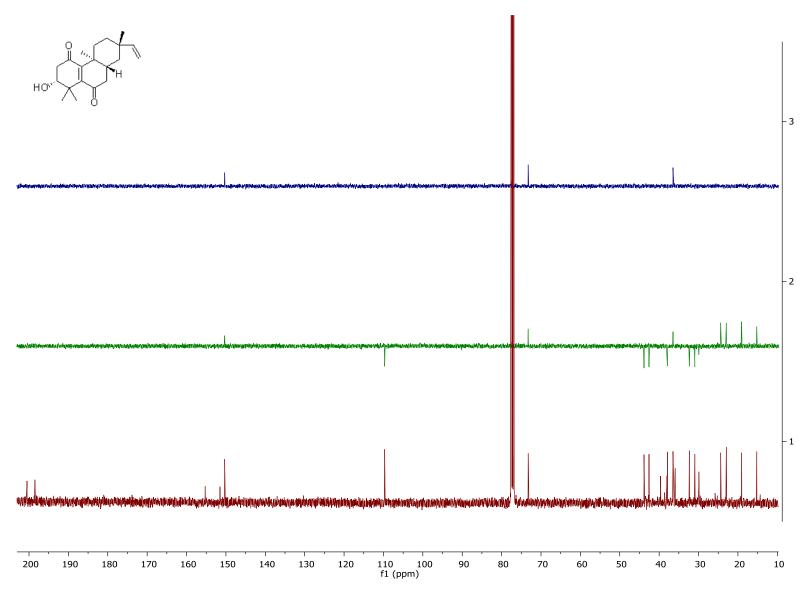


Figure S51. The <sup>1</sup>H NMR Spectrum of Compound 7 in CDCl<sub>3</sub>



**Figure S52.** The  $^{13}$ C NMR Spectrum of Compound **7** in CDCl $_3$ 

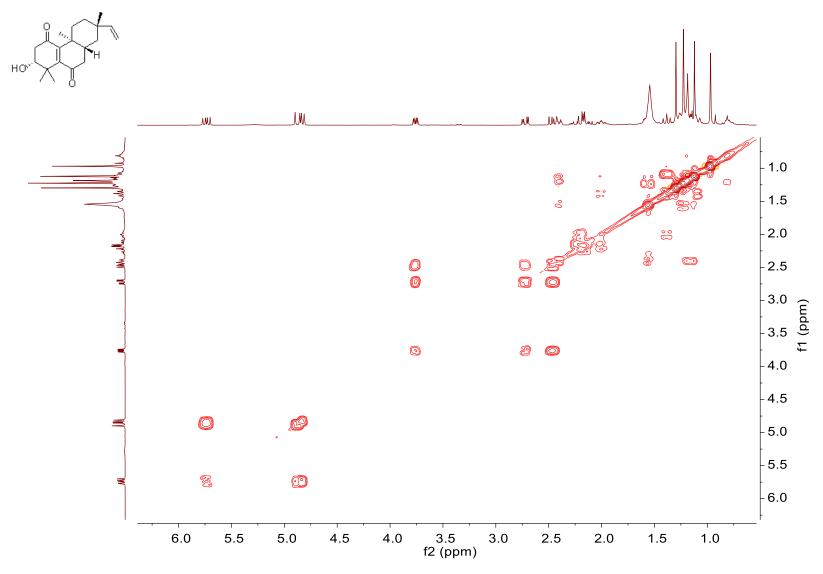


Figure S53. The  $^1\text{H-}^1\text{H}$  COSY Spectrum of Compound 7 in CDCl $_3$ 

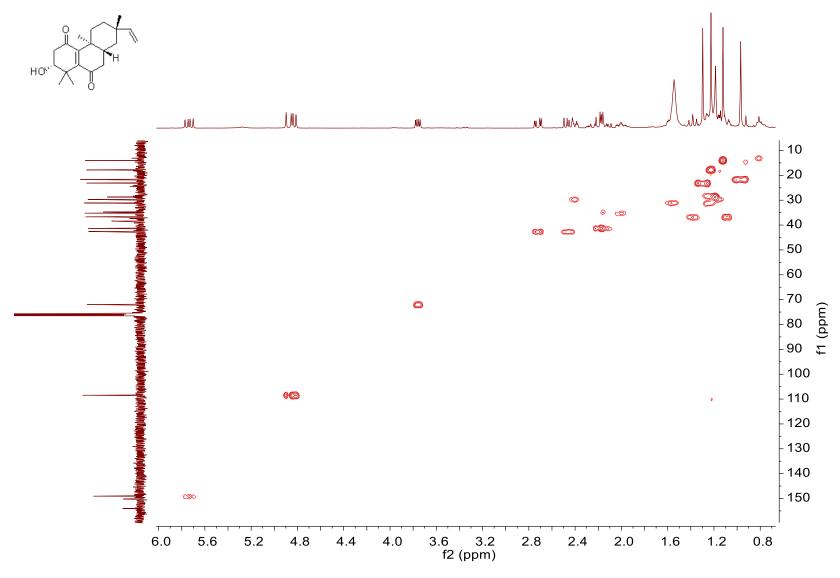


Figure S54. The HSQC Spectrum of Compound 7 in CDCl<sub>3</sub>

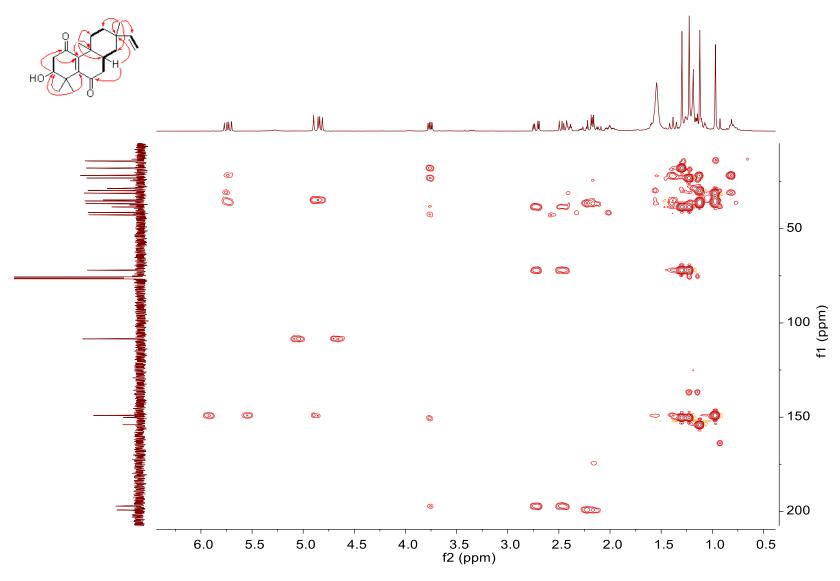


Figure S55. The HMBC Spectrum of Compound  ${\bf 7}$  in CDCl $_3$ 

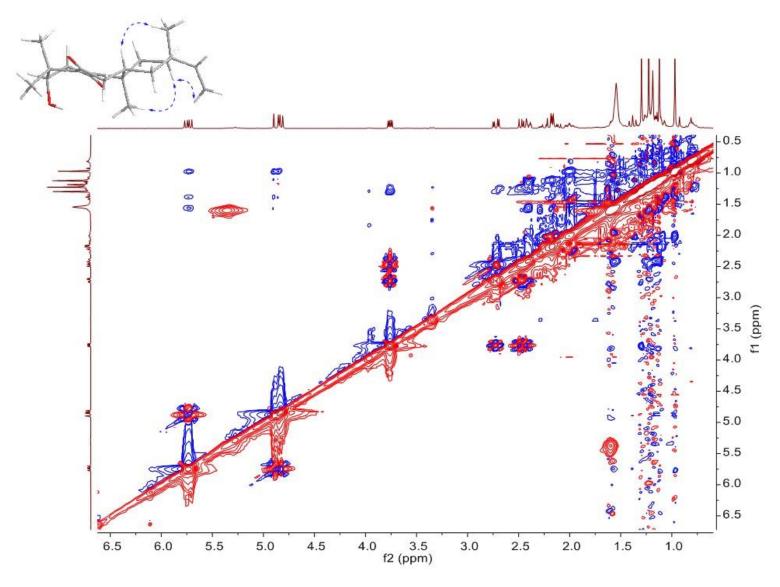


Figure S56. The NOESY Spectrum of Compound 7 in CDCl<sub>3</sub>

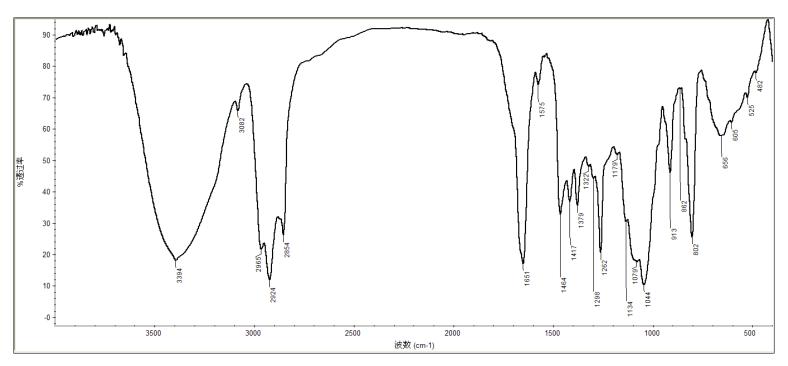


Figure S57. The IR Spectra of Compound 8

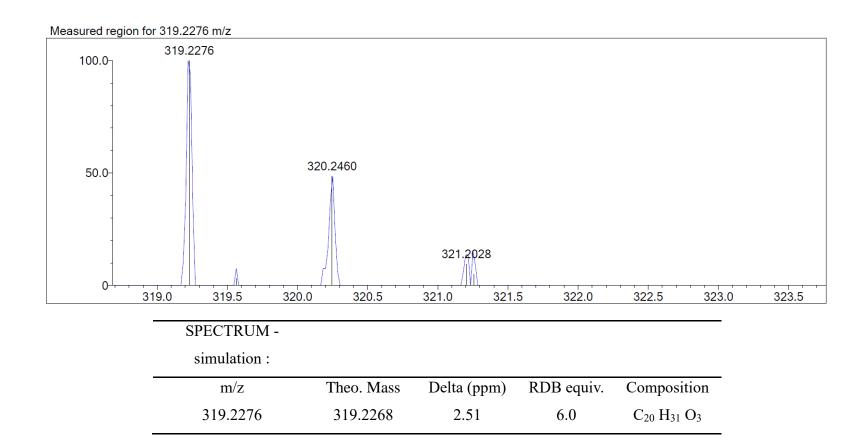


Figure S58. The HRESIMS Spectroscopic Data of Compound 8

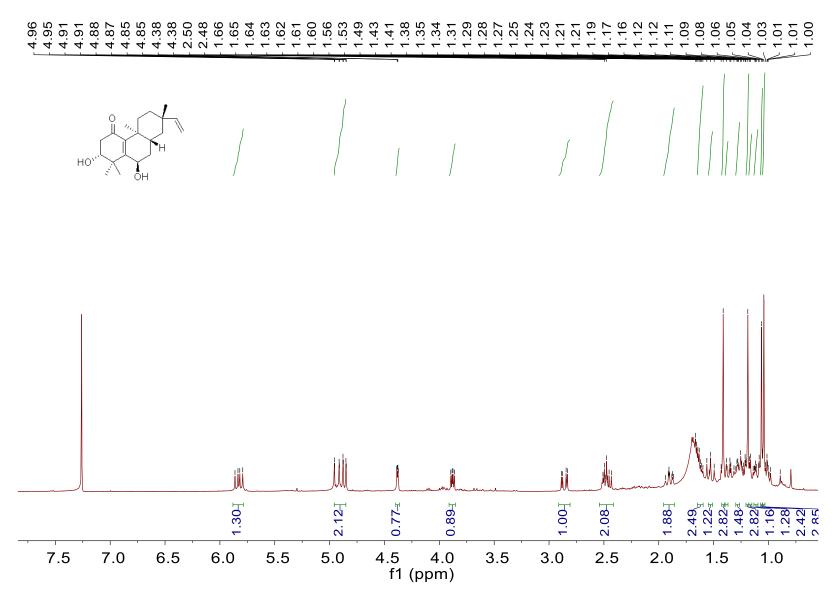


Figure S59. The <sup>1</sup>H NMR Spectrum of Compound 8 in CDCl<sub>3</sub>

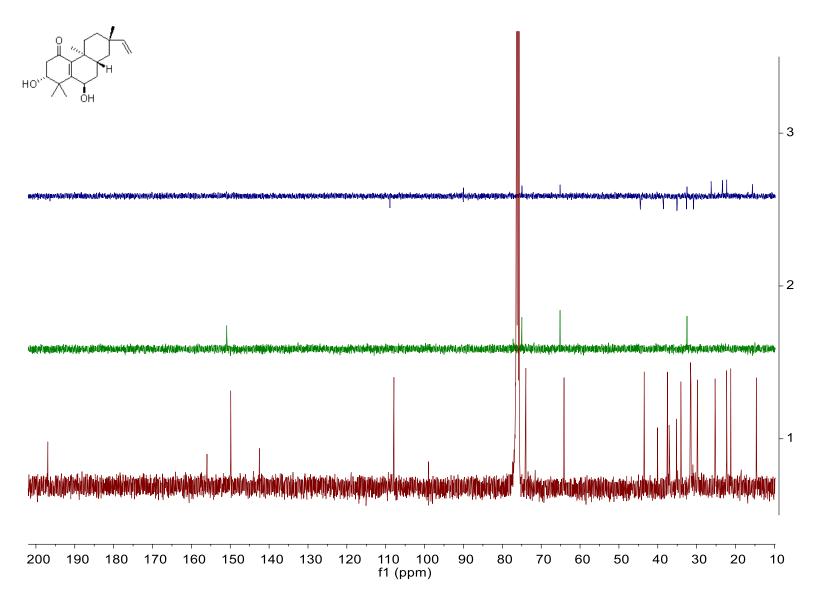


Figure S60. The <sup>13</sup>C NMR Spectrum of Compound 8 in CDCl<sub>3</sub>

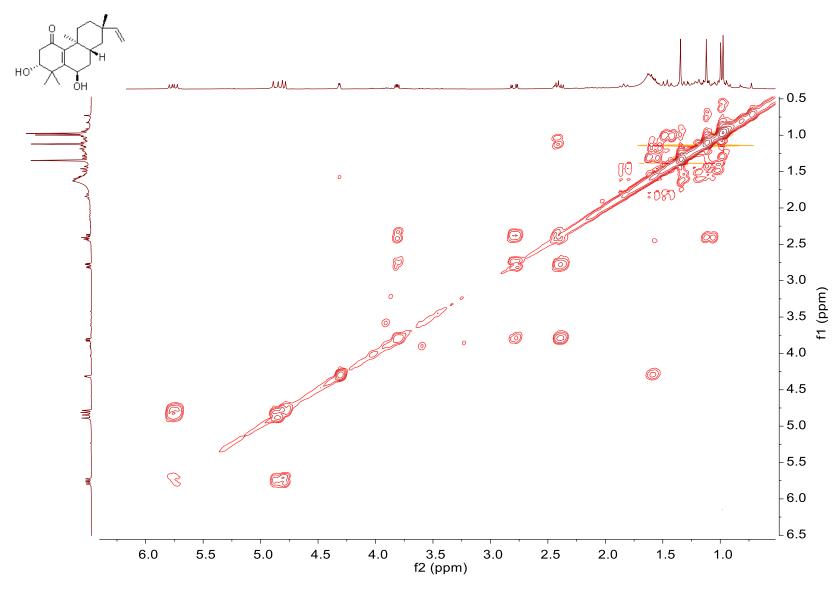


Figure S61. The <sup>1</sup>H-<sup>1</sup>H COSY Spectrum of Compound 8 in CDCl<sub>3</sub>

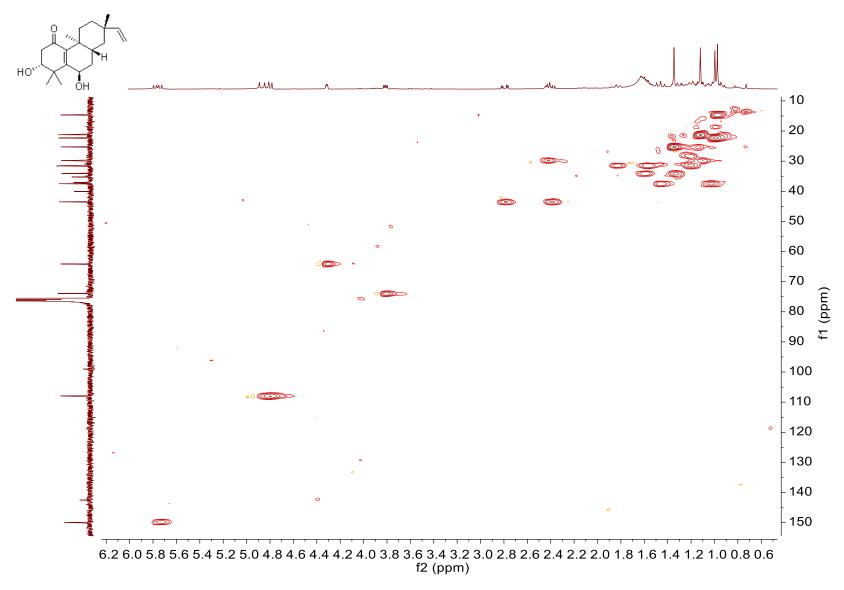


Figure S62. The HSQC Spectrum of Compound 8 in CDCl<sub>3</sub>

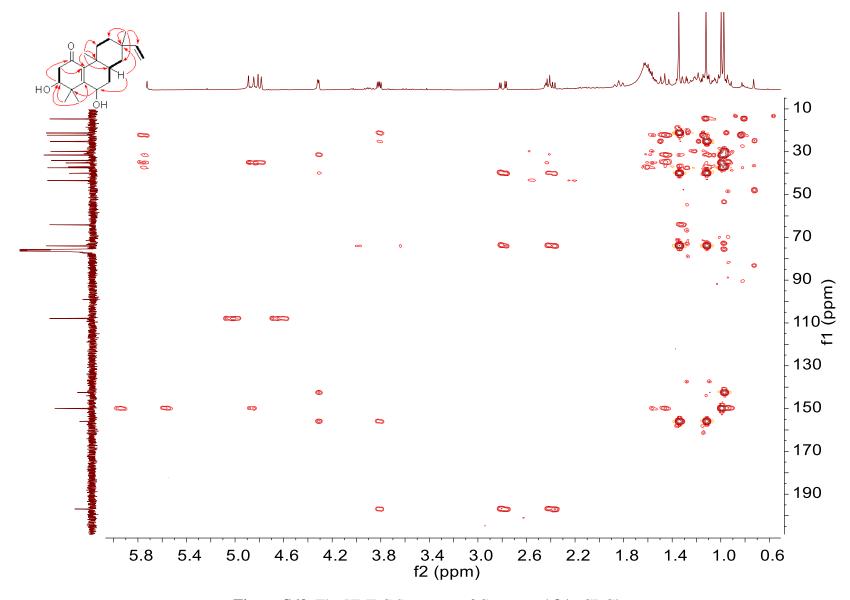


Figure S63. The HMBC Spectrum of Compound 8 in CDCl<sub>3</sub>

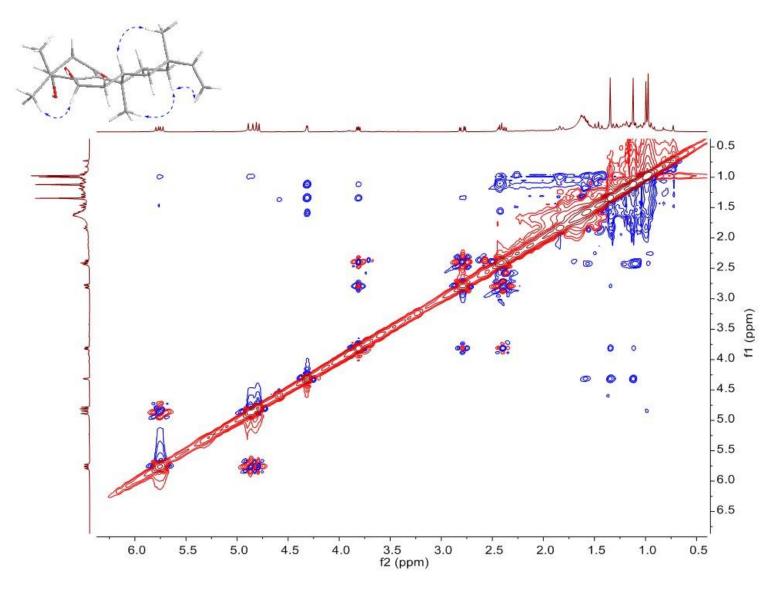


Figure S64. The NOESY Spectrum of Compound 8 in CDCl<sub>3</sub>

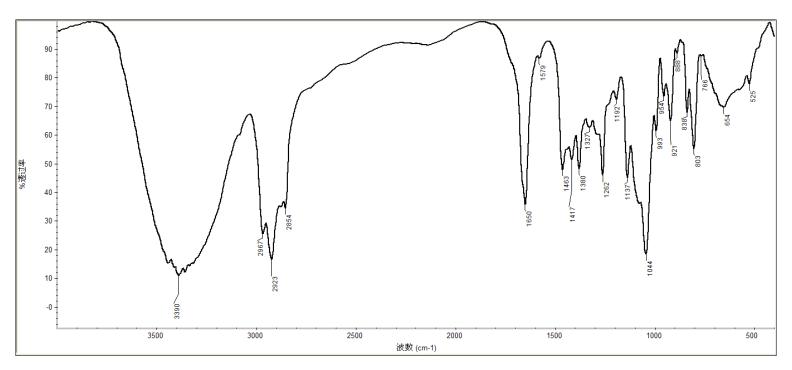


Figure S65. The IR Spectra of Compound 9

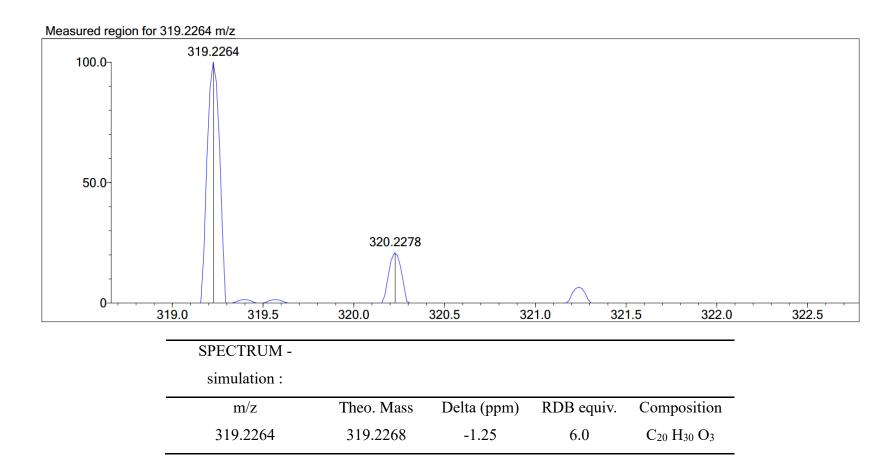


Figure S66. The HRESIMS Spectroscopic Data of Compound 9

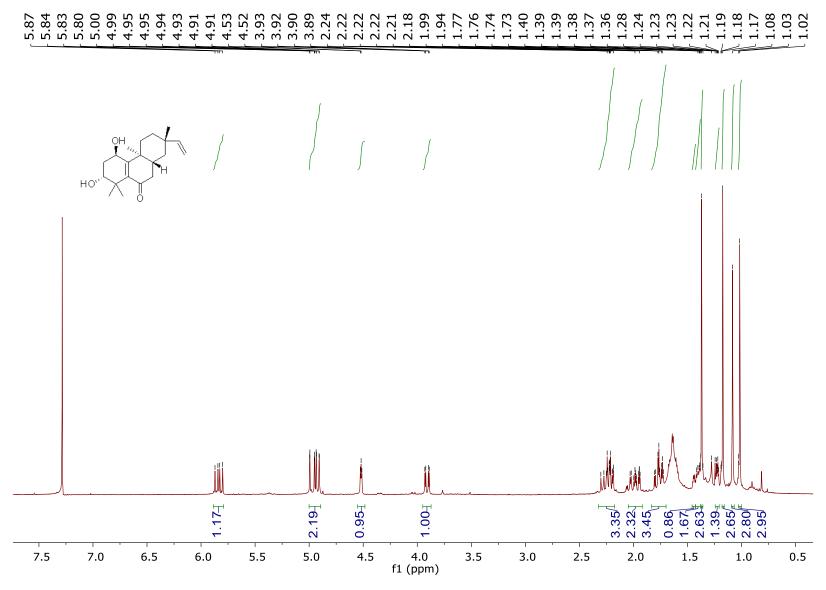


Figure S67. The <sup>1</sup>H NMR Spectrum of Compound 9 in CDCl<sub>3</sub>

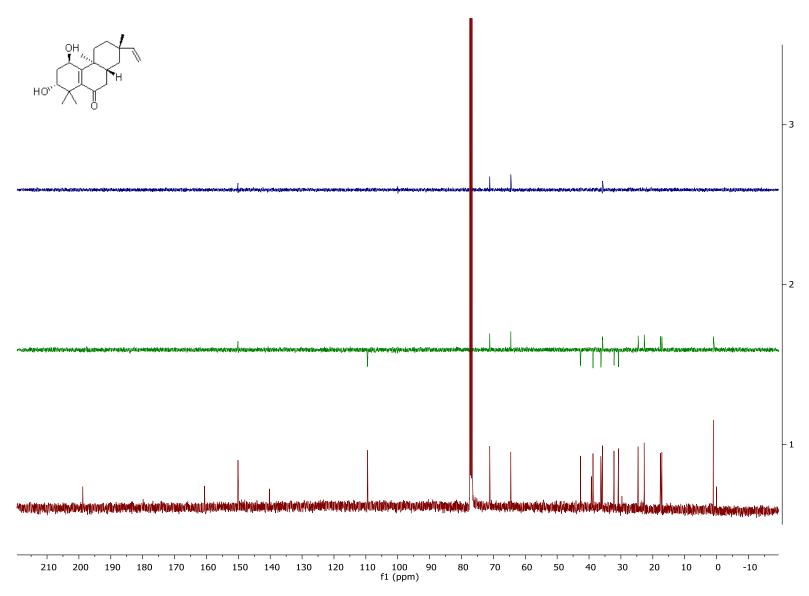


Figure S68. The  $^{13}$ C NMR Spectrum of Compound 9 in CDCl $_3$ 

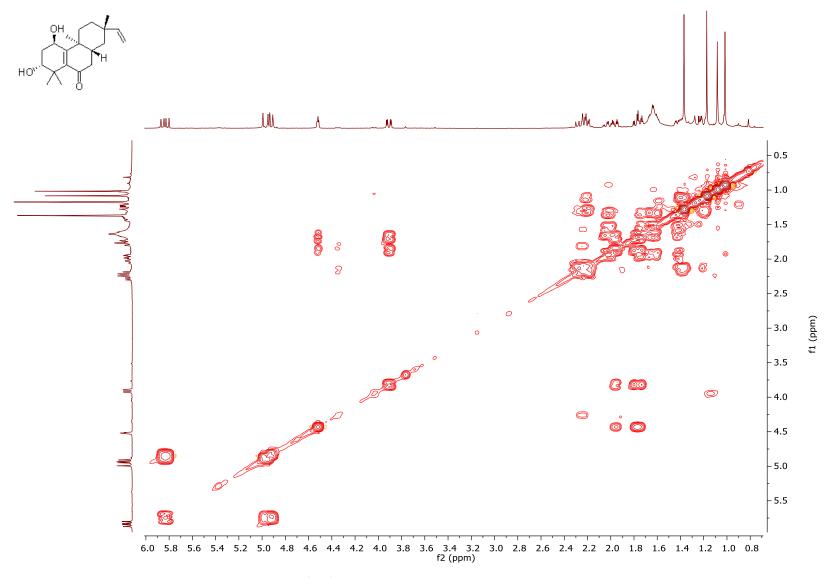


Figure S69. The  $^{1}\text{H-}^{1}\text{H}$  COSY Spectrum of Compound 9 in CDCl $_{3}$ 

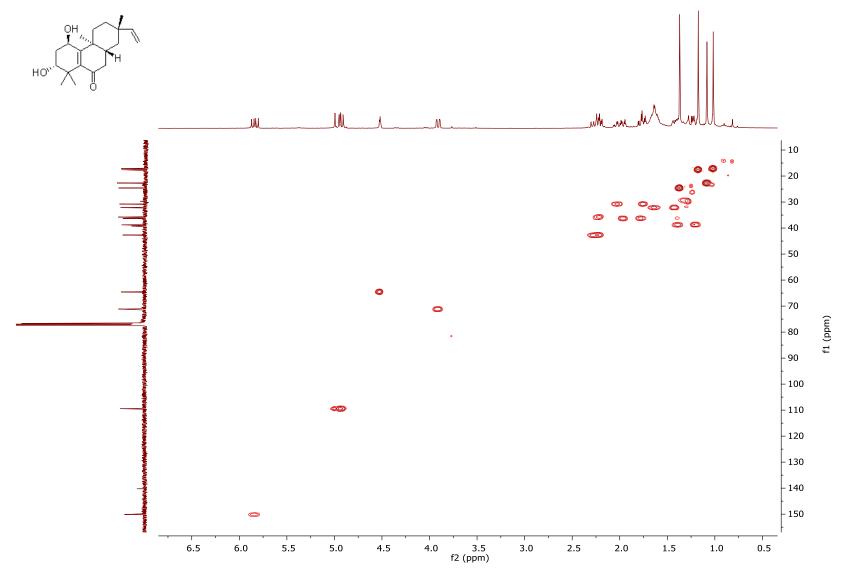


Figure S70. The HSQC Spectrum of Compound 9 in  $CDCl_3$ 

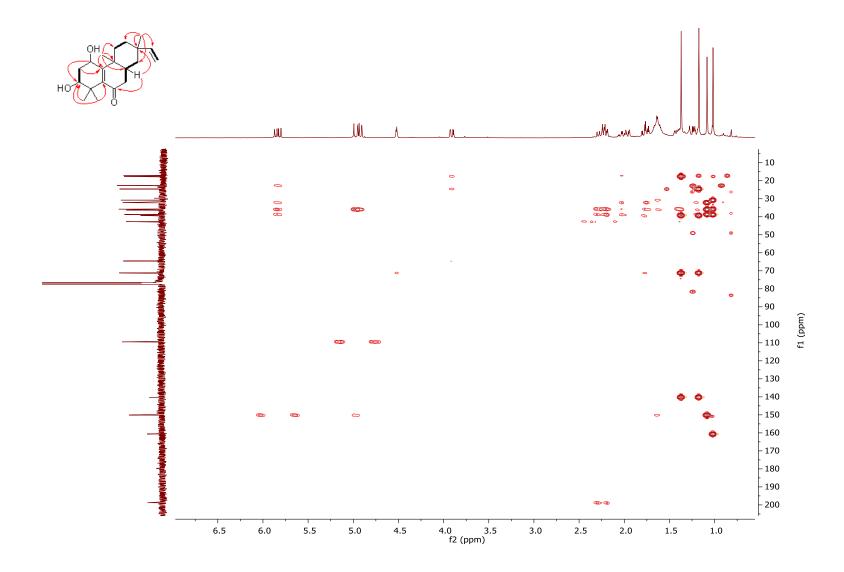


Figure S71. The HMBC Spectrum of Compound 9 in CDCl<sub>3</sub>

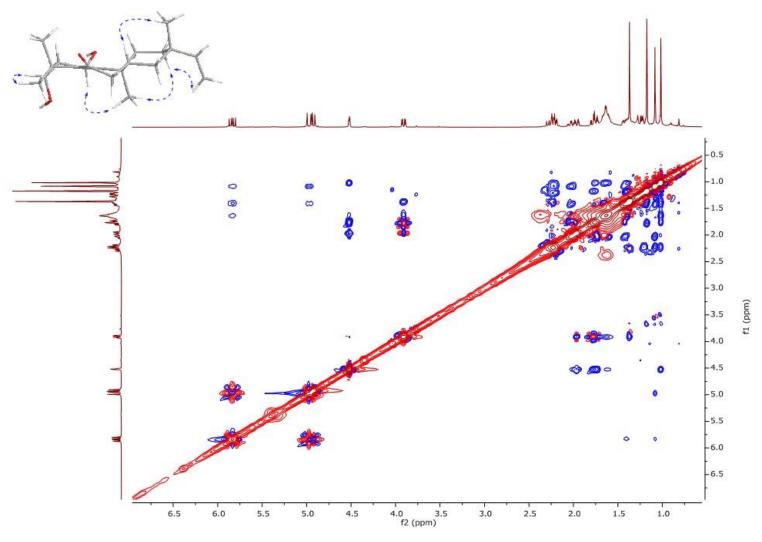


Figure S72. The NOESY Spectrum of Compound 9 in CDCl<sub>3</sub>

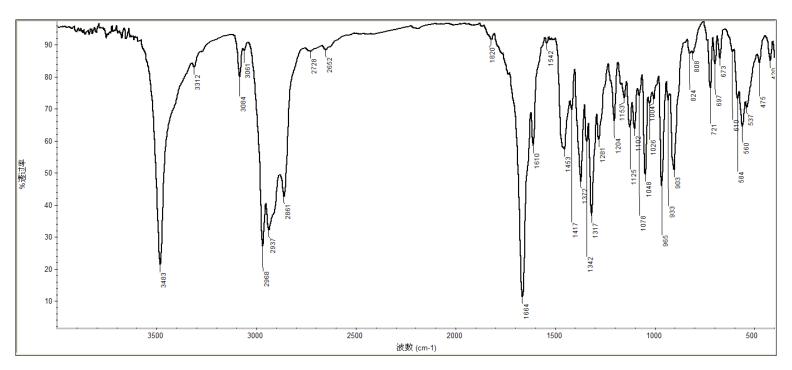


Figure S73. The IR Spectra of Compound 10

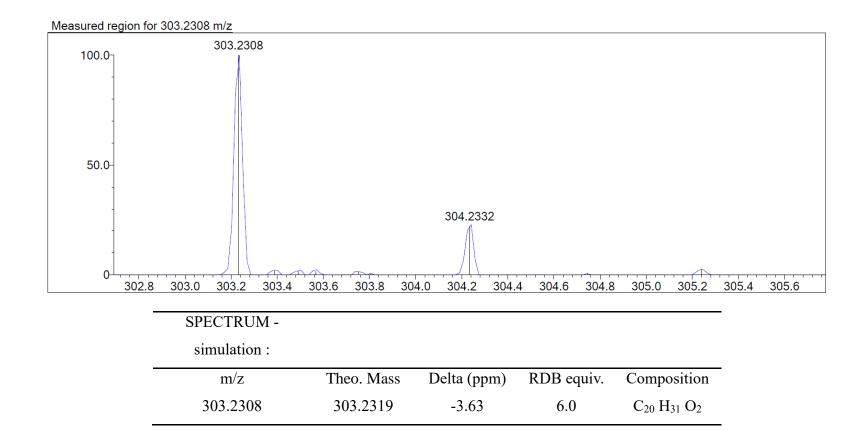


Figure S74. The HRESIMS Spectroscopic Data of Compound 10

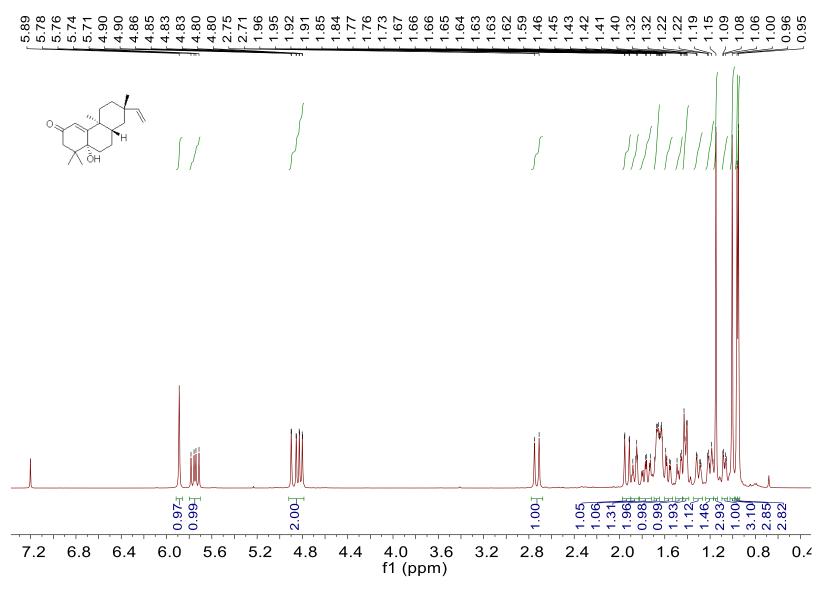


Figure S75. The <sup>1</sup>H NMR Spectrum of Compound 10 in CDCl<sub>3</sub>

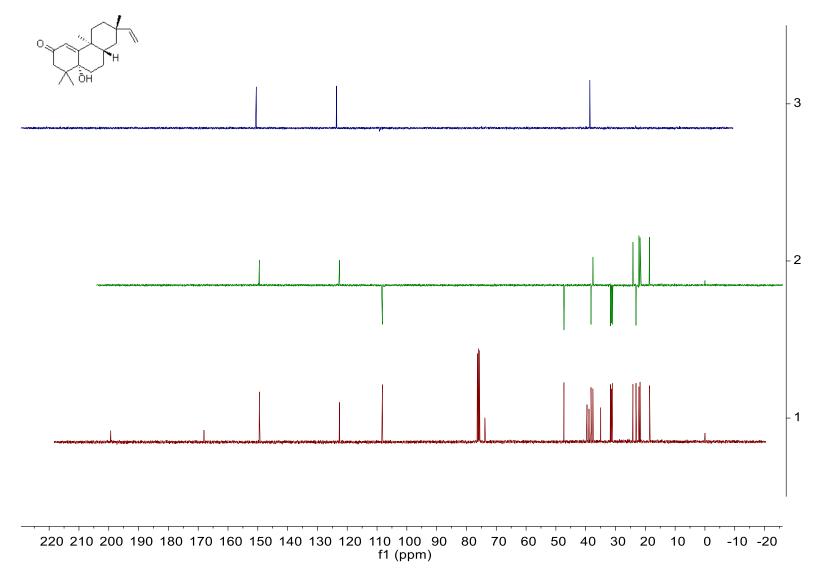


Figure S76. The <sup>13</sup>C NMR Spectrum of Compound 10 in CDCl<sub>3</sub>

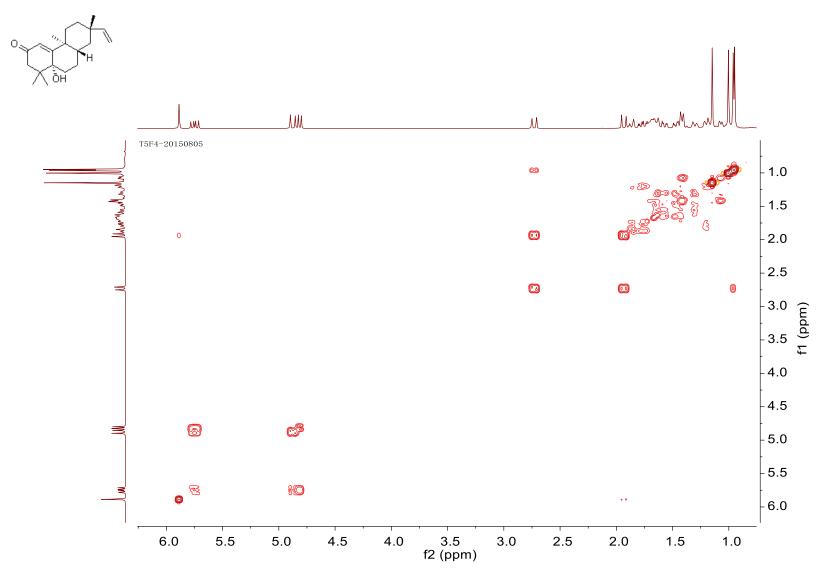


Figure S77. The <sup>1</sup>H-<sup>1</sup>H COSY Spectrum of Compound 10 in CDCl<sub>3</sub>

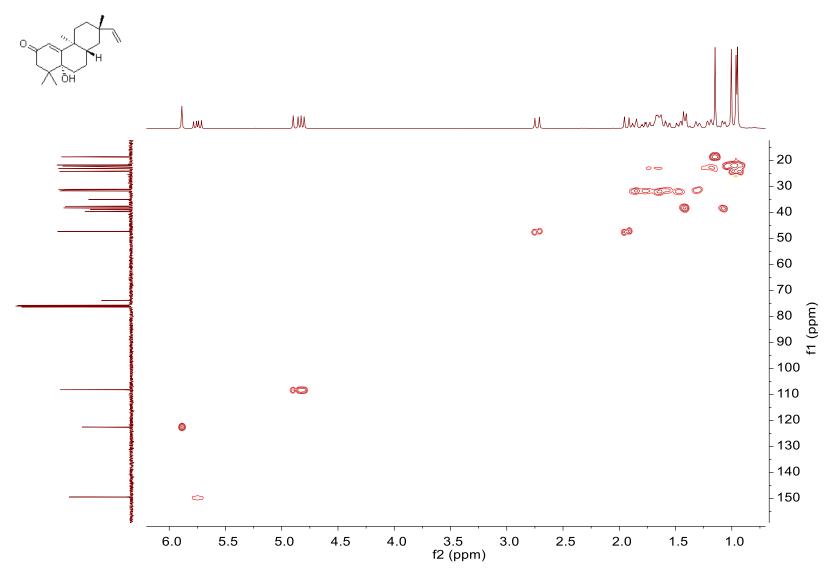


Figure S78. The HSQC Spectrum of Compound  ${\bf 10}$  in CDCl $_{3}$ 

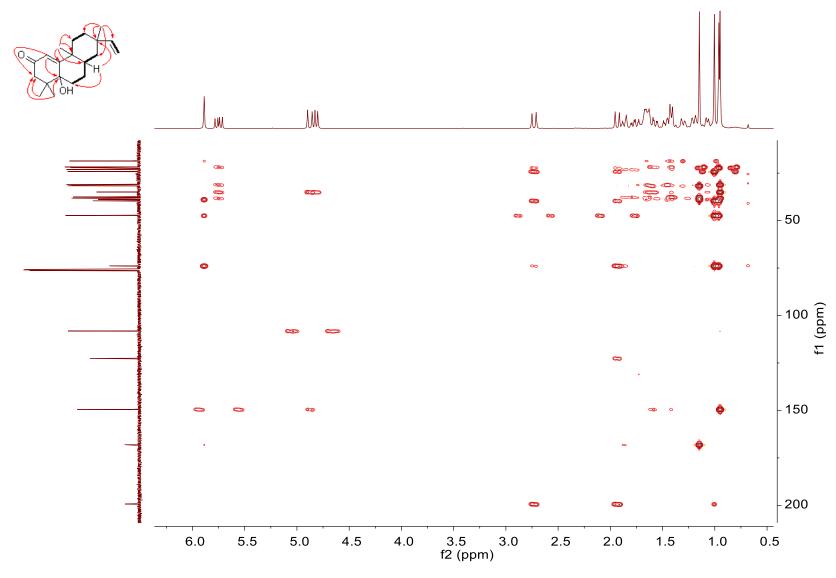


Figure S79. The HMBC Spectrum of Compound  ${\bf 10}$  in CDCl $_{3}$ 

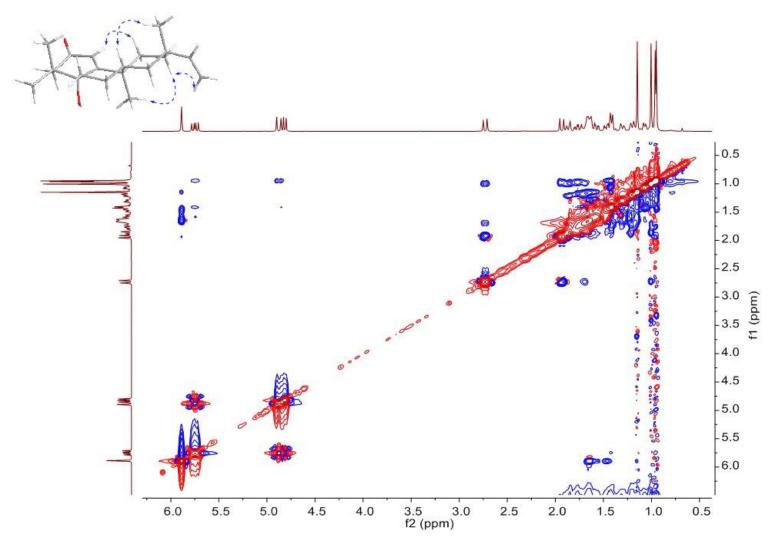


Figure S80. The NOESY Spectrum of Compound 10 in CDCl<sub>3</sub>

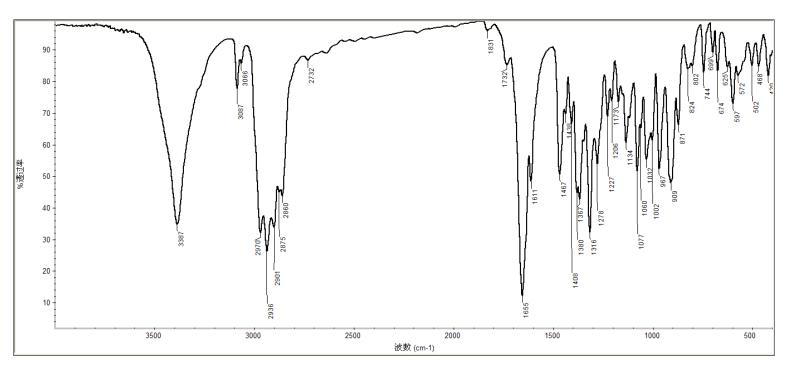


Figure S81. The IR Spectra of Compound 11

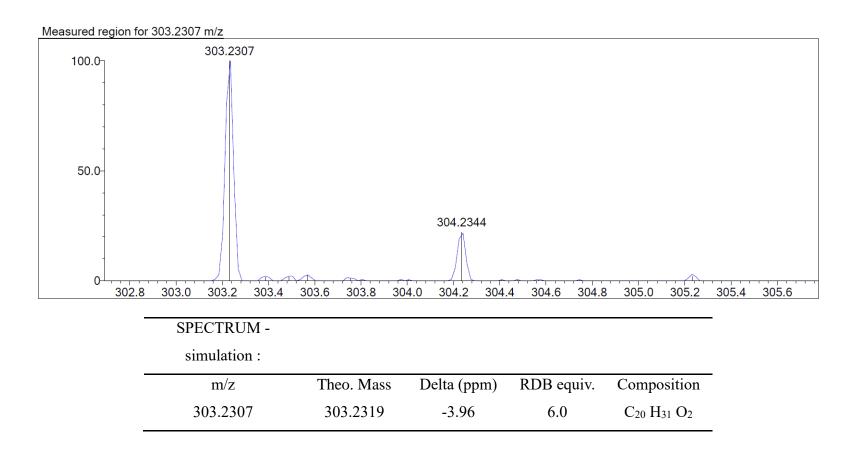


Figure S82. The HRESIMS Spectroscopic Data of Compound 11

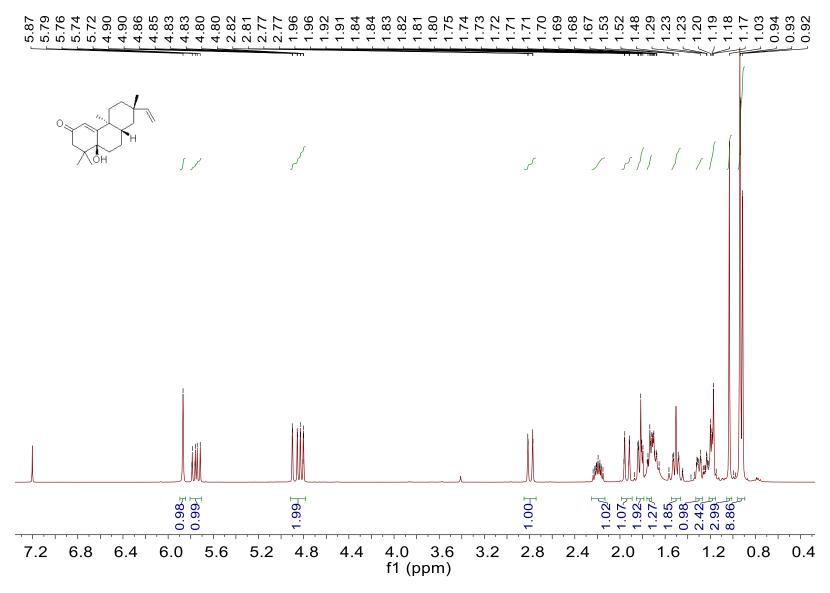


Figure S83. The <sup>1</sup>H NMR Spectrum of Compound 11 in CDCl<sub>3</sub>

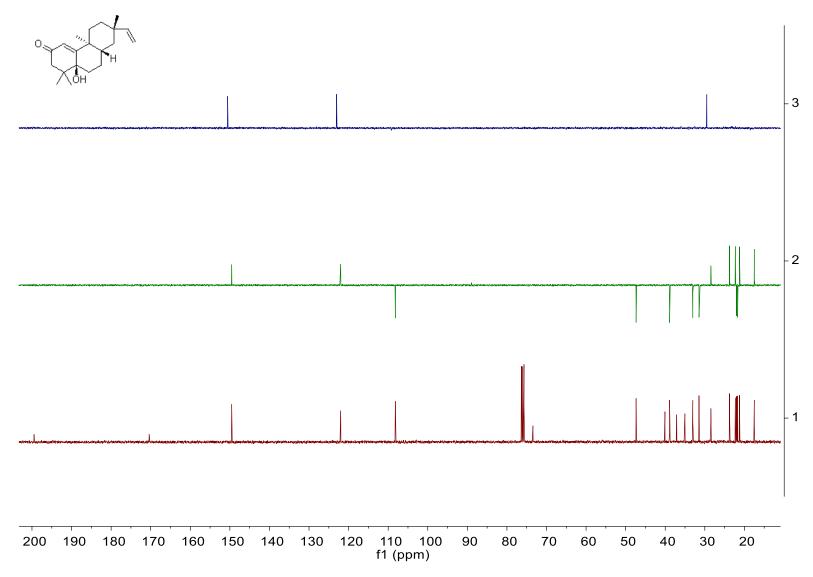


Figure S84. The <sup>13</sup>C NMR Spectrum of Compound 11 in CDCl<sub>3</sub>

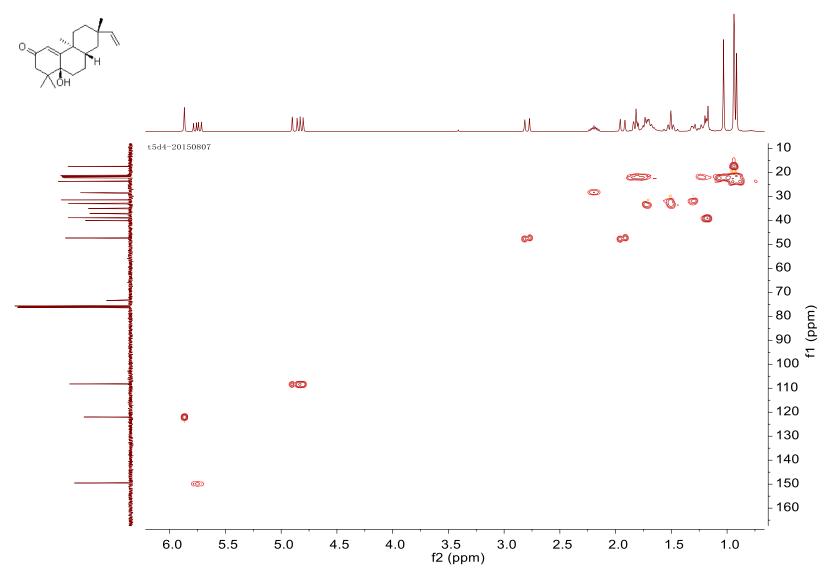


Figure S85. The <sup>1</sup>H-<sup>1</sup>H COSY Spectrum of Compound 11 in CDCl<sub>3</sub>

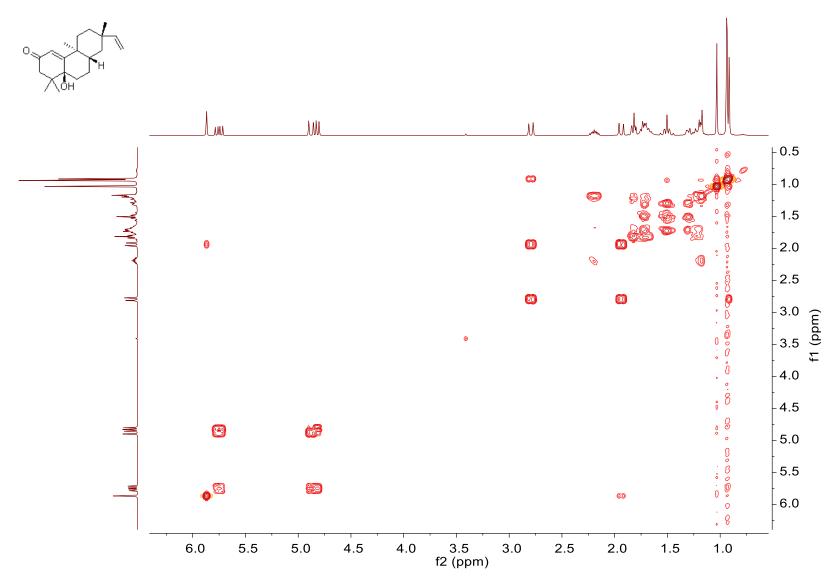


Figure S86. The HSQC Spectrum of Compound 11 in CDCl<sub>3</sub>

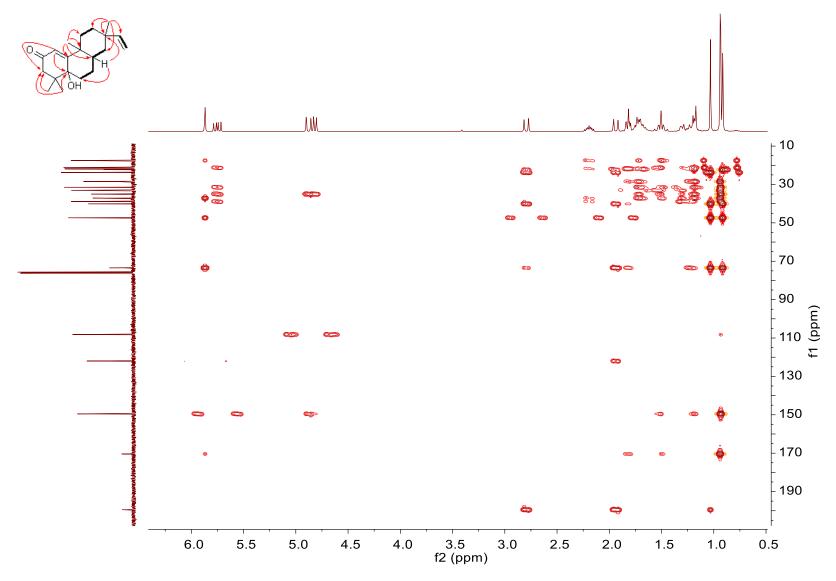


Figure S87. The HMBC Spectrum of Compound 11 in CDCl $_3$ 

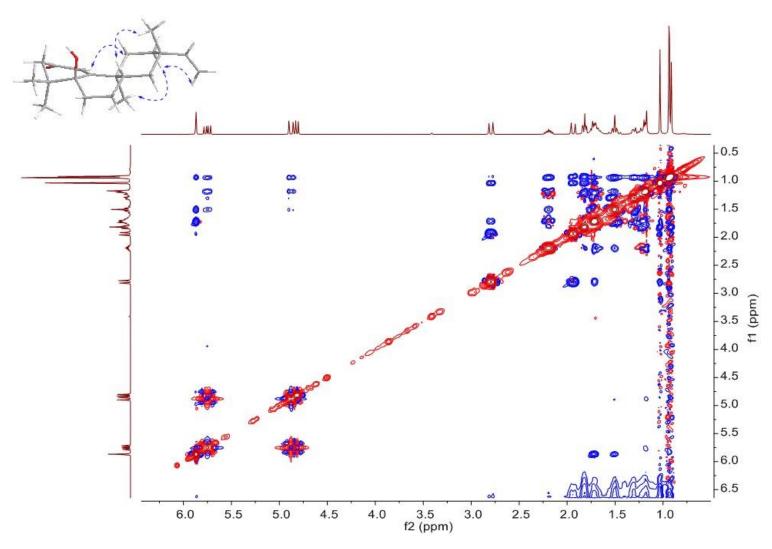


Figure S88. The NOESY Spectrum of Compound 11 in CDCl<sub>3</sub>

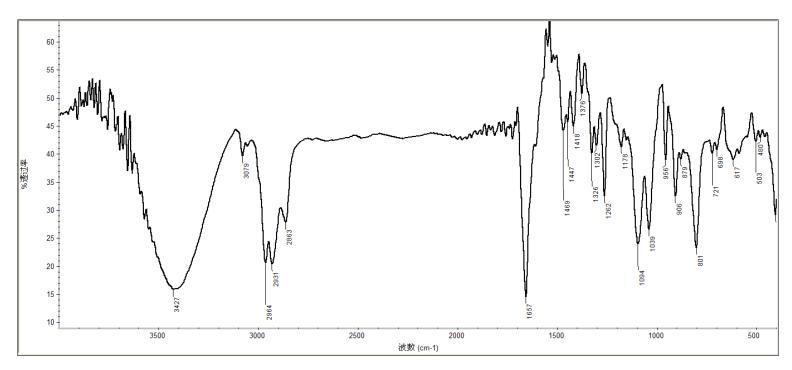


Figure S89. The IR Spectra of Compound 12

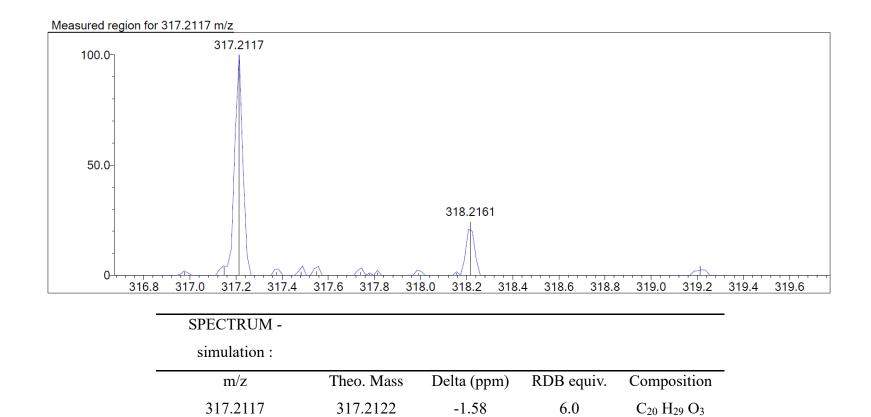


Figure S90. The HRESIMS Spectroscopic Data of Compound 12

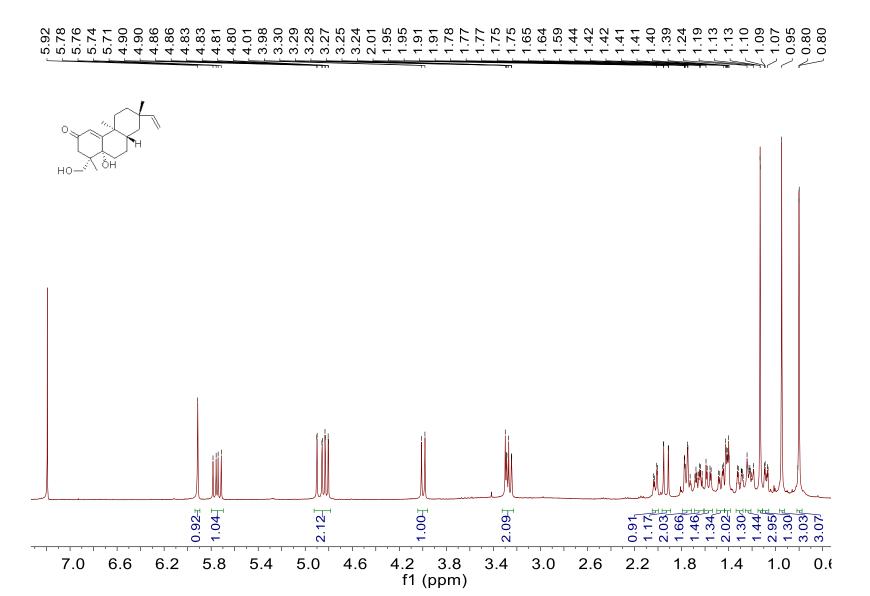


Figure S91. The <sup>1</sup>H NMR Spectrum of Compound 12 in CDCl<sub>3</sub>

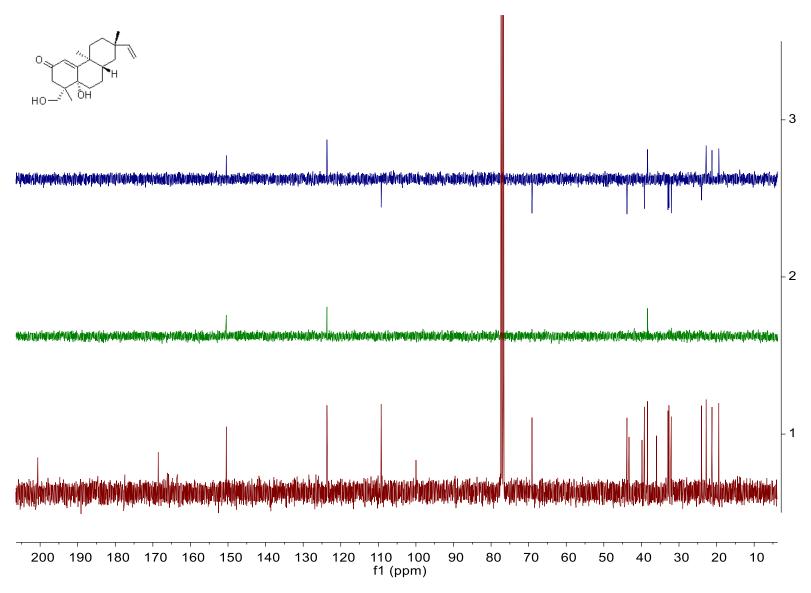


Figure S92. The <sup>13</sup>C NMR Spectrum of Compound 12 in CDCl<sub>3</sub>

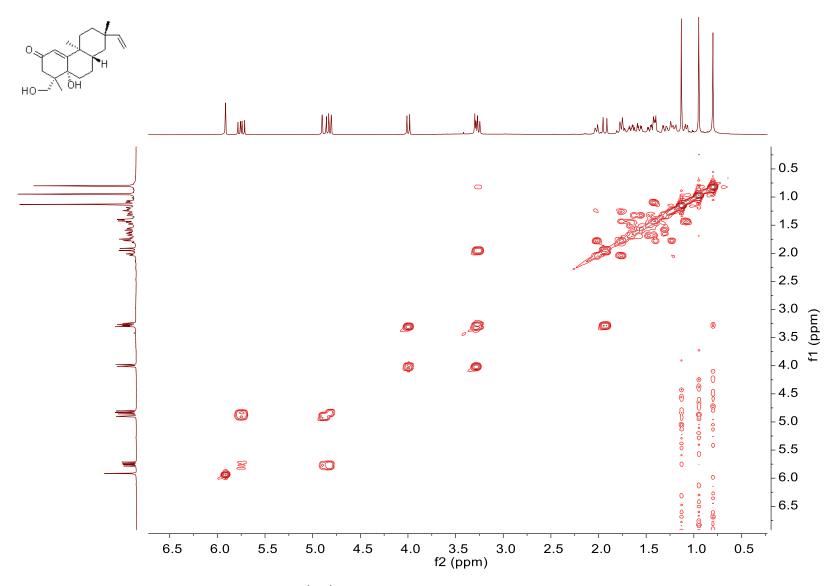


Figure S93. The <sup>1</sup>H-<sup>1</sup>H COSY Spectrum of Compound 12 in CDCl<sub>3</sub>

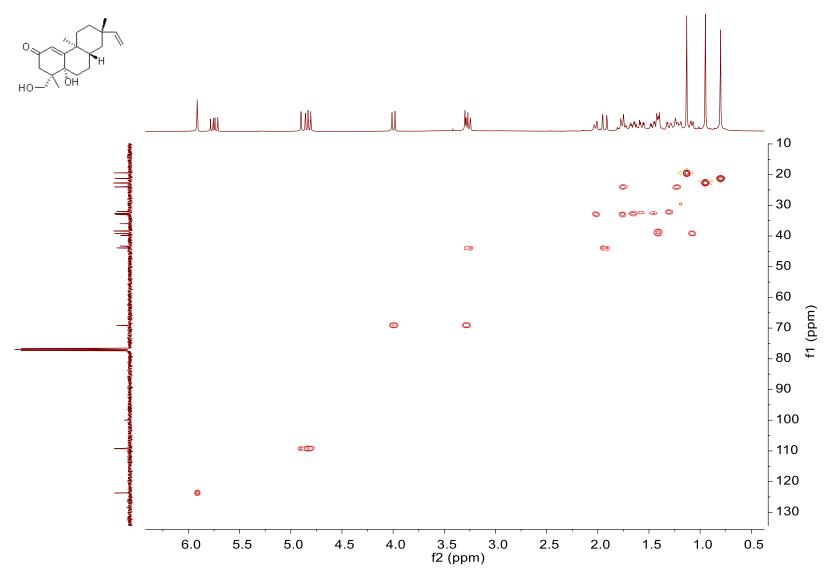


Figure S94. The HSQC Spectrum of Compound 12 in CDCl<sub>3</sub>

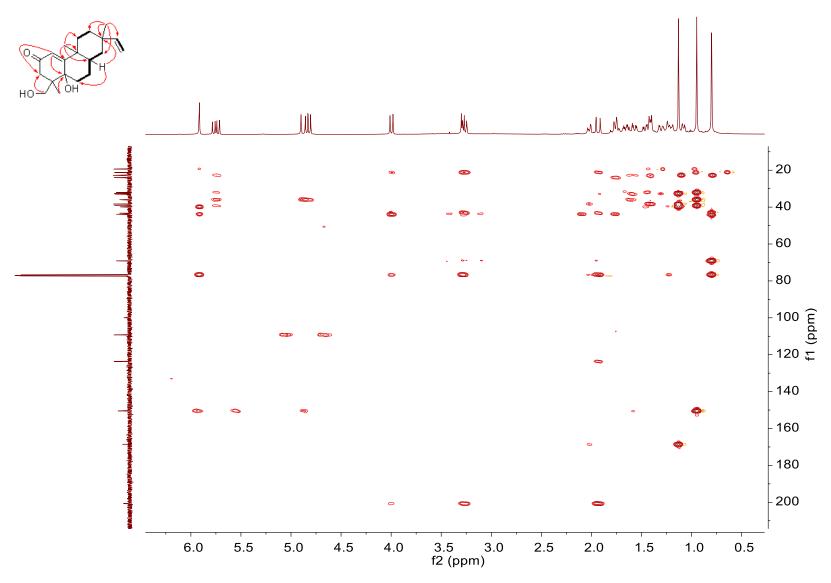


Figure S95. The HMBC Spectrum of Compound 12 in CDCl<sub>3</sub>

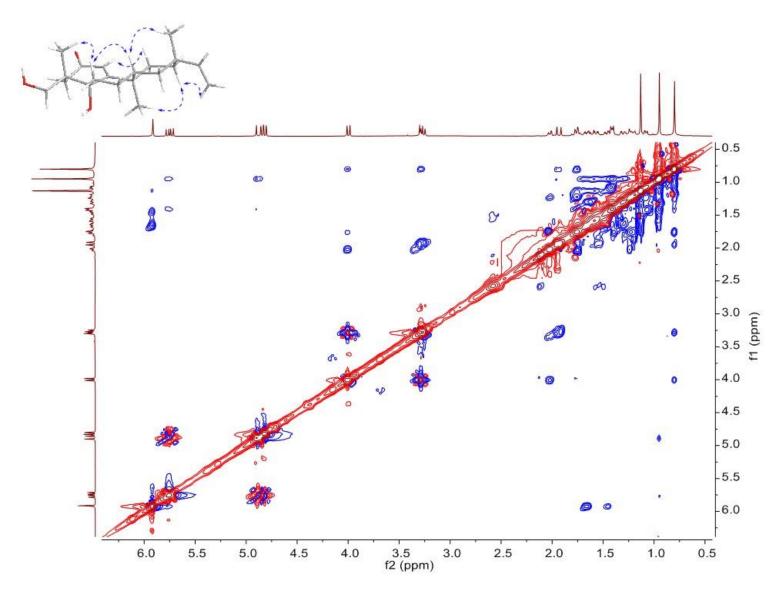


Figure S96. The NOESY Spectrum of Compound 12 in CDCl<sub>3</sub>

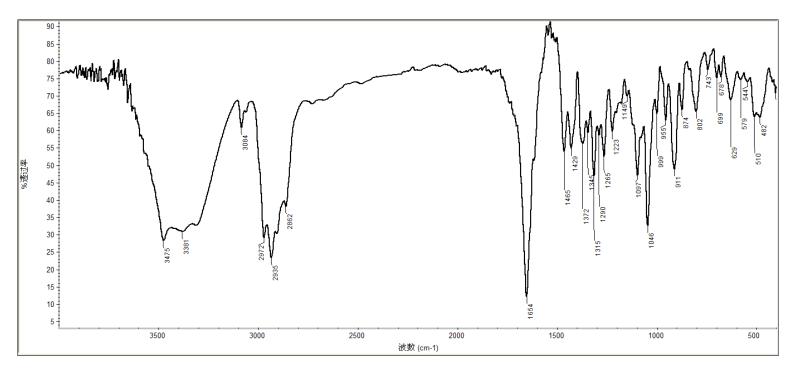


Figure S97. The IR Spectra of Compound 13

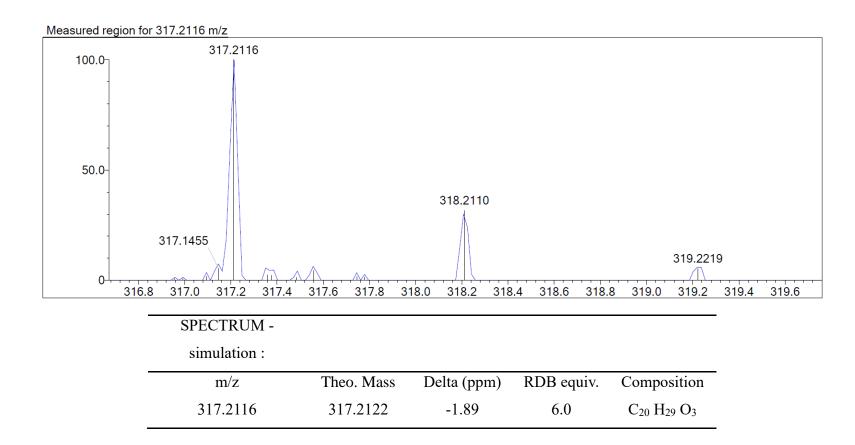


Figure S98. The HRESIMS Spectroscopic Data of Compound 13

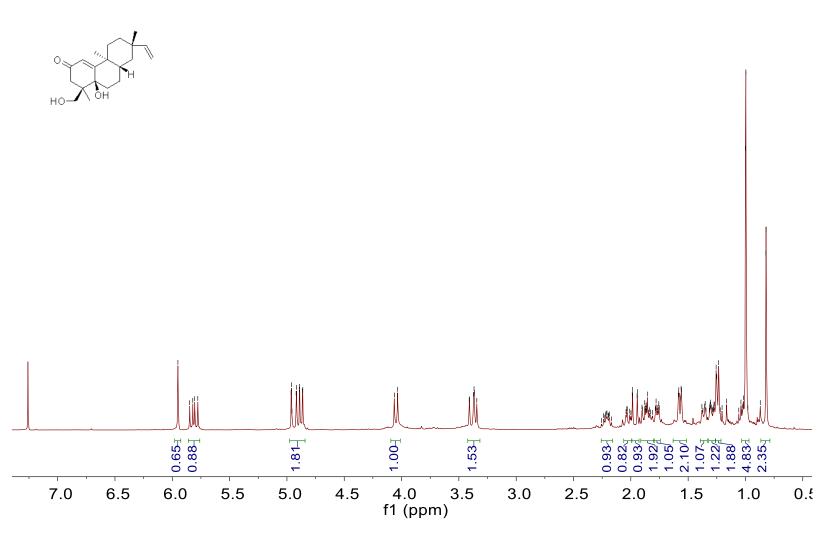


Figure S99. The <sup>1</sup>H NMR Spectrum of Compound 13 in CDCl<sub>3</sub>

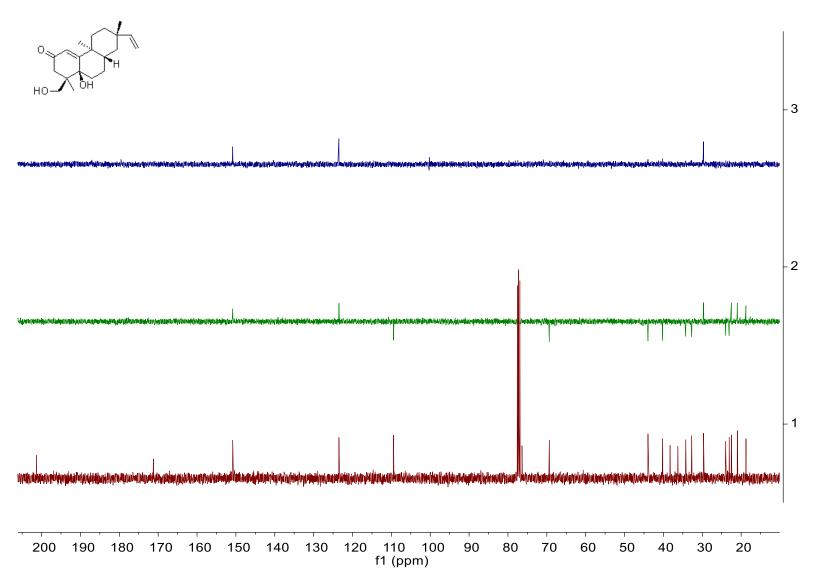


Figure S100. The  $^{13}C$  NMR Spectrum of Compound 13 in CDCl $_3$ 

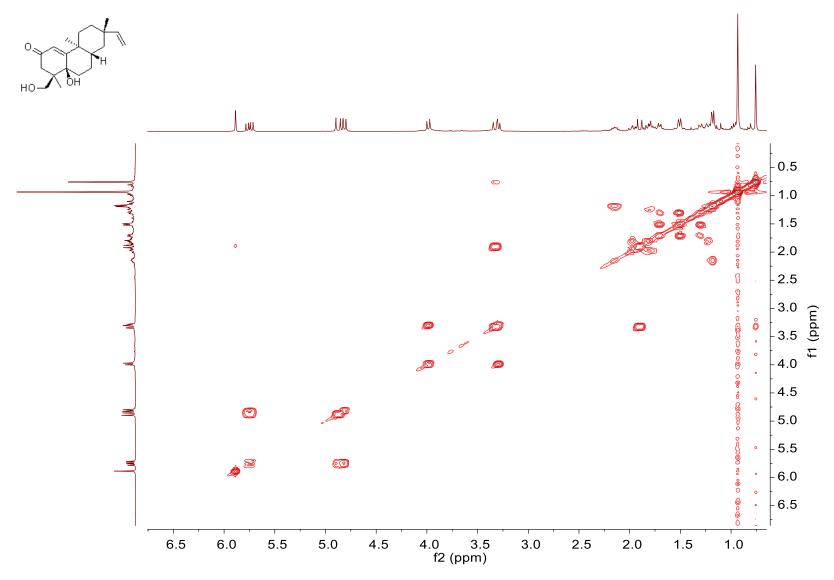


Figure S101. The <sup>1</sup>H-<sup>1</sup>H COSY Spectrum of Compound 13 in CDCl<sub>3</sub>

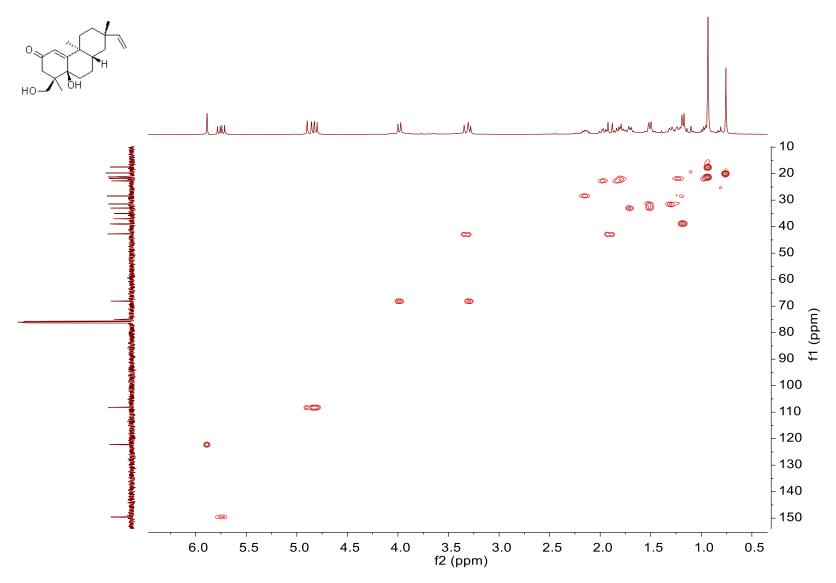


Figure S102. The HSQC Spectrum of Compound 13 in CDCl<sub>3</sub>

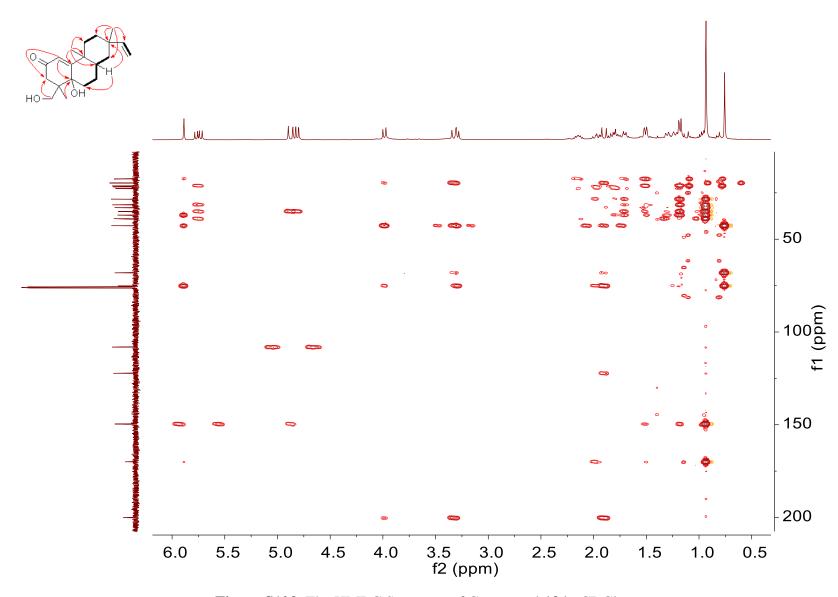


Figure S103. The HMBC Spectrum of Compound  ${\bf 13}$  in CDCl $_{\bf 3}$ 

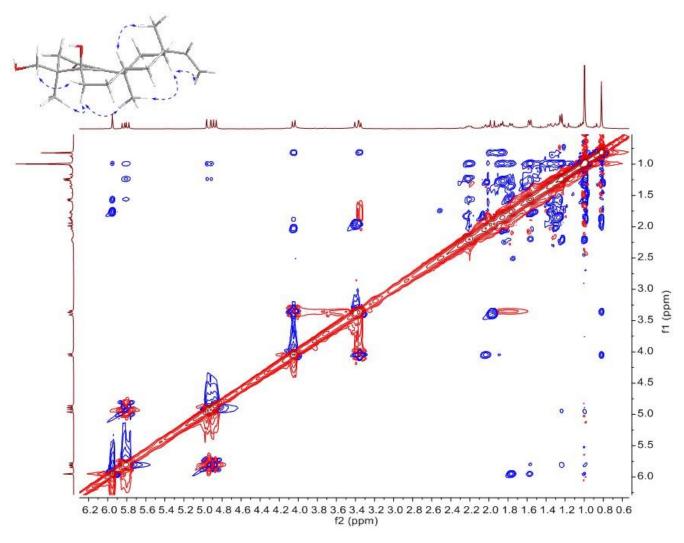


Figure S104. The NOESY Spectrum of Compound 13 in CDCl<sub>3</sub>

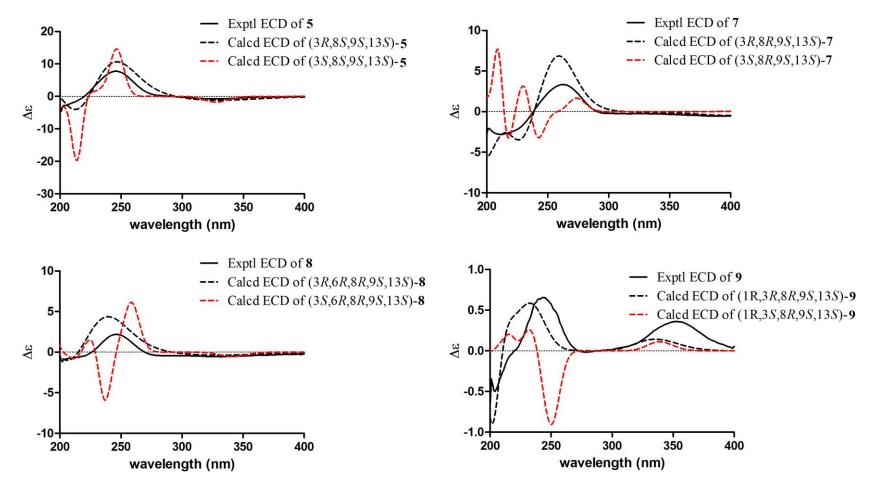


Figure S105. The ECD Spectrum of Compound 5, 7-9 in MeOH

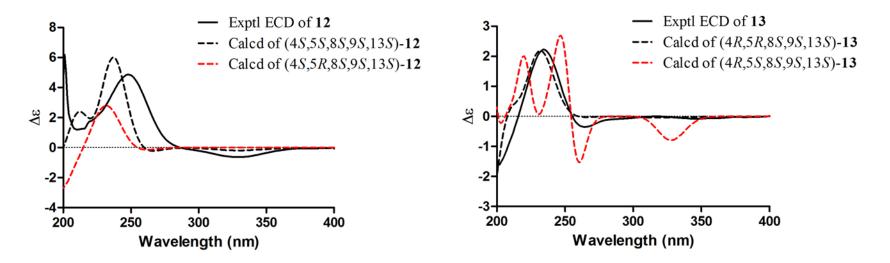


Figure S106. The ECD Spectra of Compounds 12 and 13 in MeOH

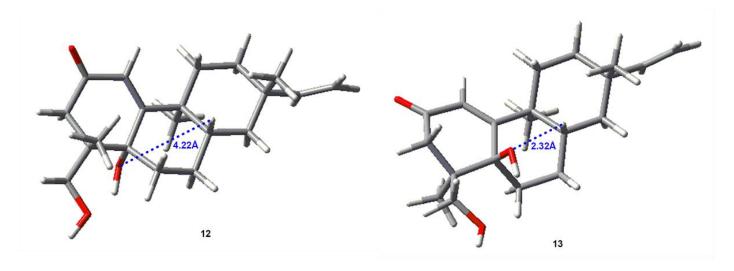


Figure S107. The Calculated 3D Structures of 12-13