

# Supplementary Materials: Synthesis of Pelorol and Its Analogs and Their Inhibitory Effects on Phosphatidylinositol 3-Kinase

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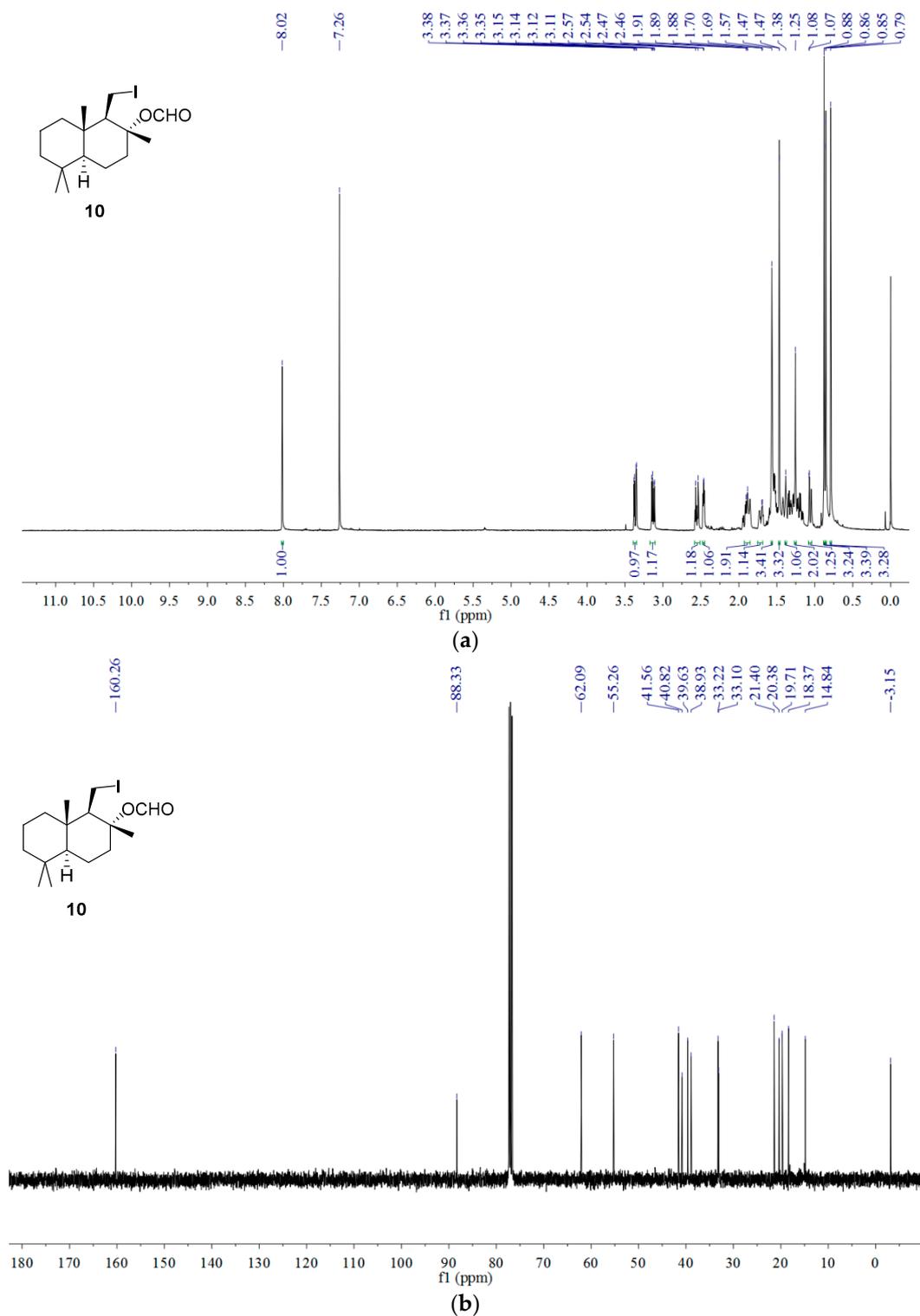


Figure S1. (a) <sup>1</sup>H NMR spectrum of compound 10; (b) <sup>13</sup>C NMR spectrum of compound 10.

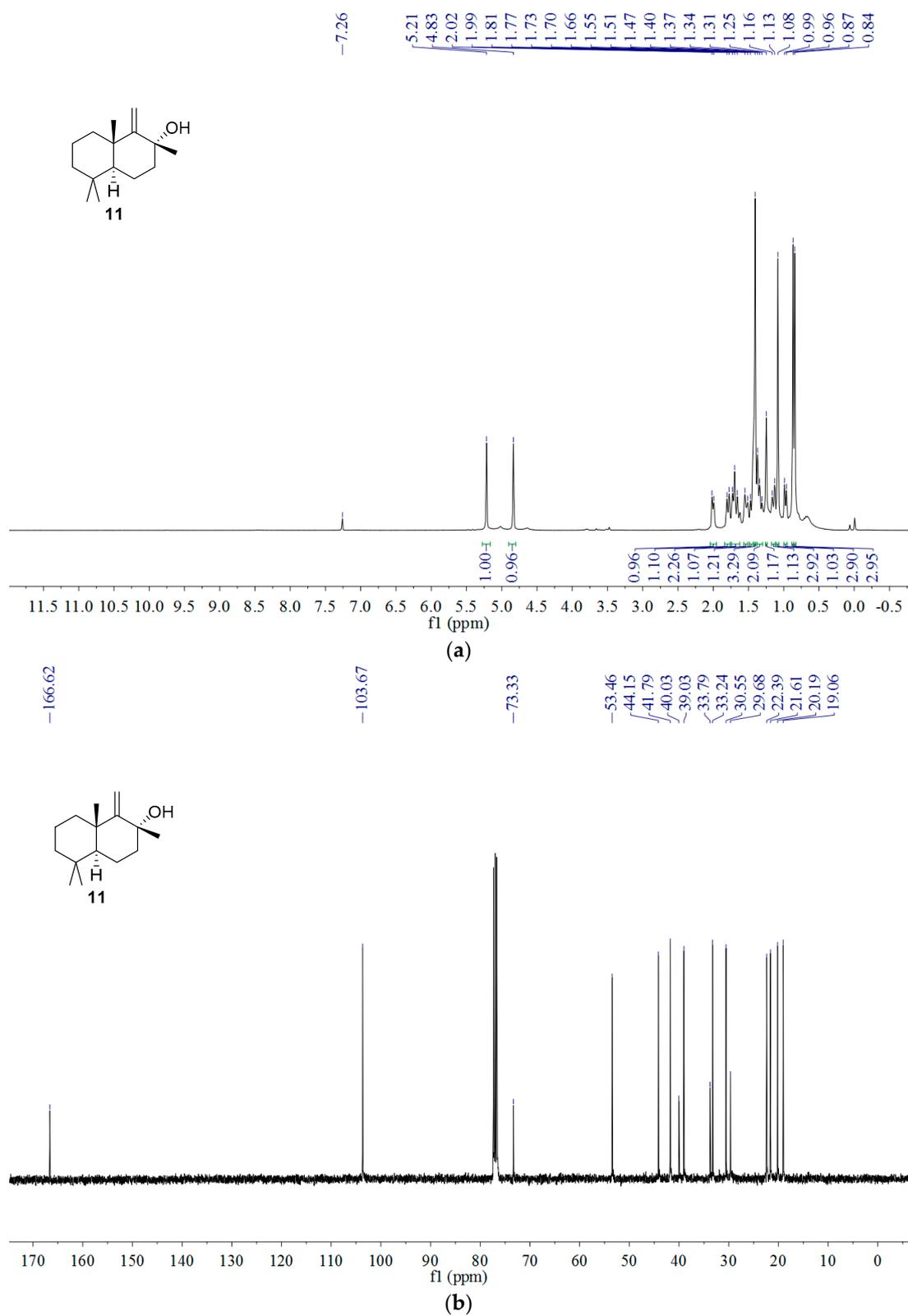


Figure S2. (a) <sup>1</sup>H NMR spectrum of compound 11; (b) <sup>13</sup>C NMR spectrum of compound 11.

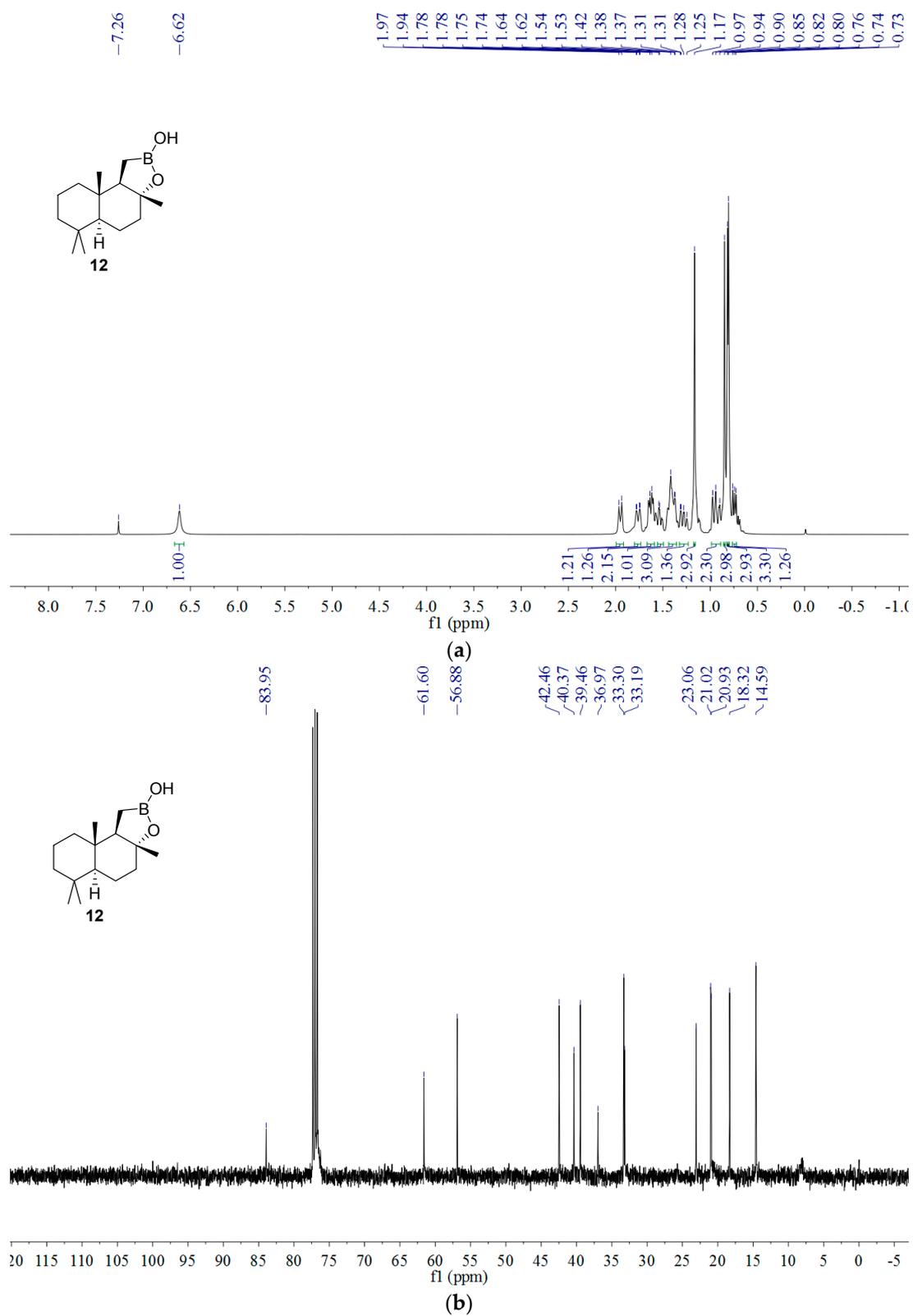


Figure S3. (a)  $^1\text{H}$  NMR spectrum of compound 12; (b)  $^{13}\text{C}$  NMR spectrum of compound 12.

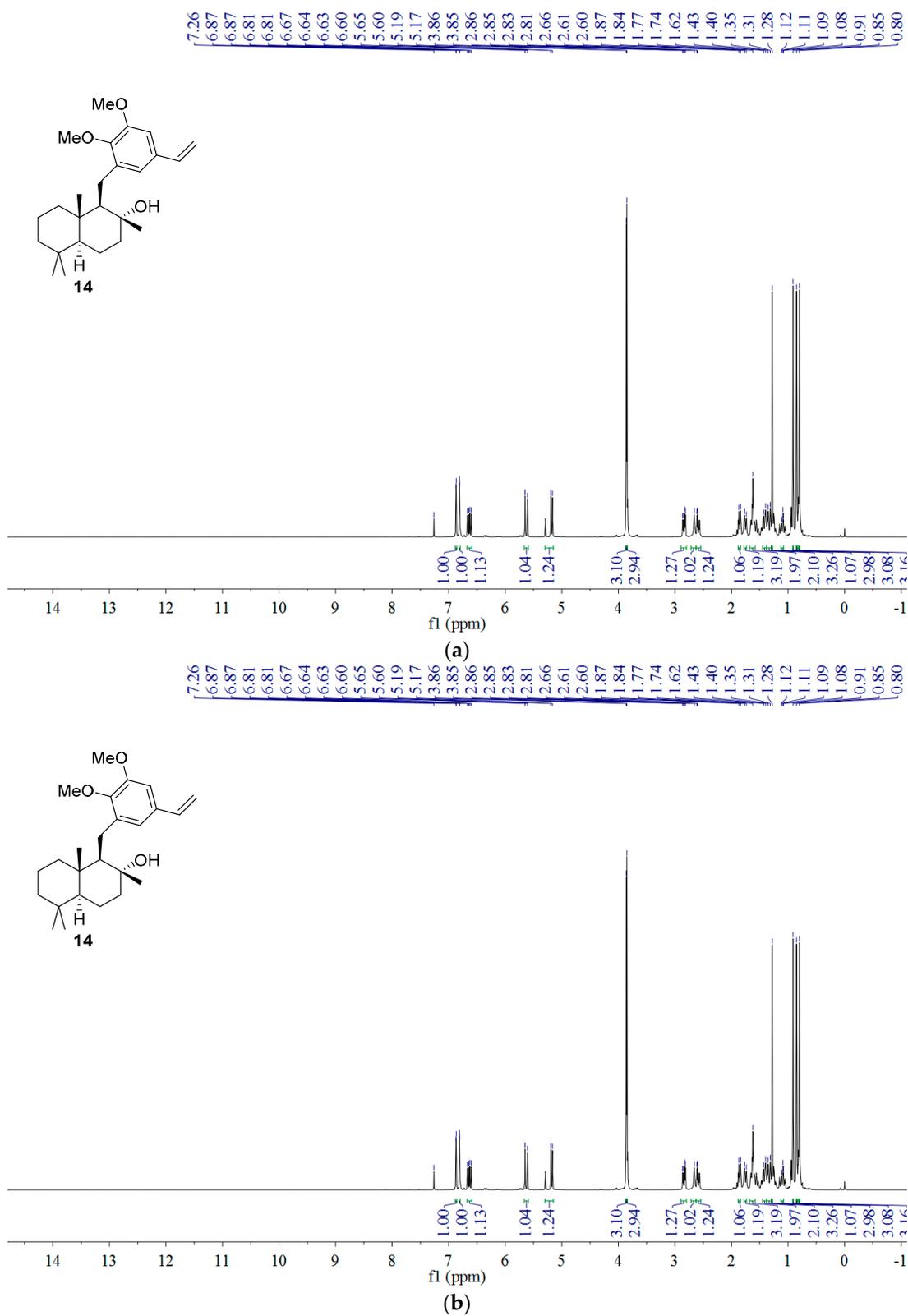
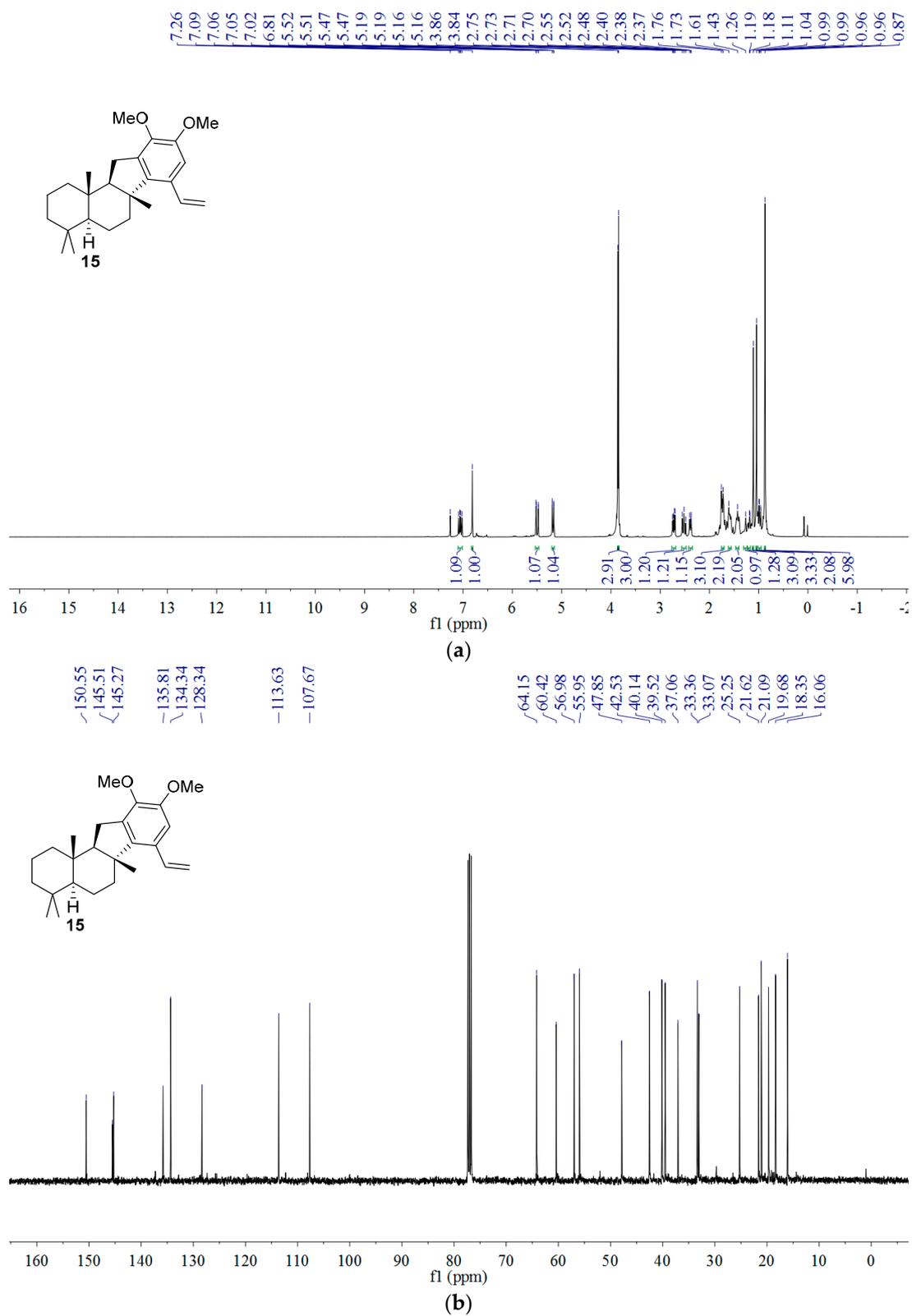
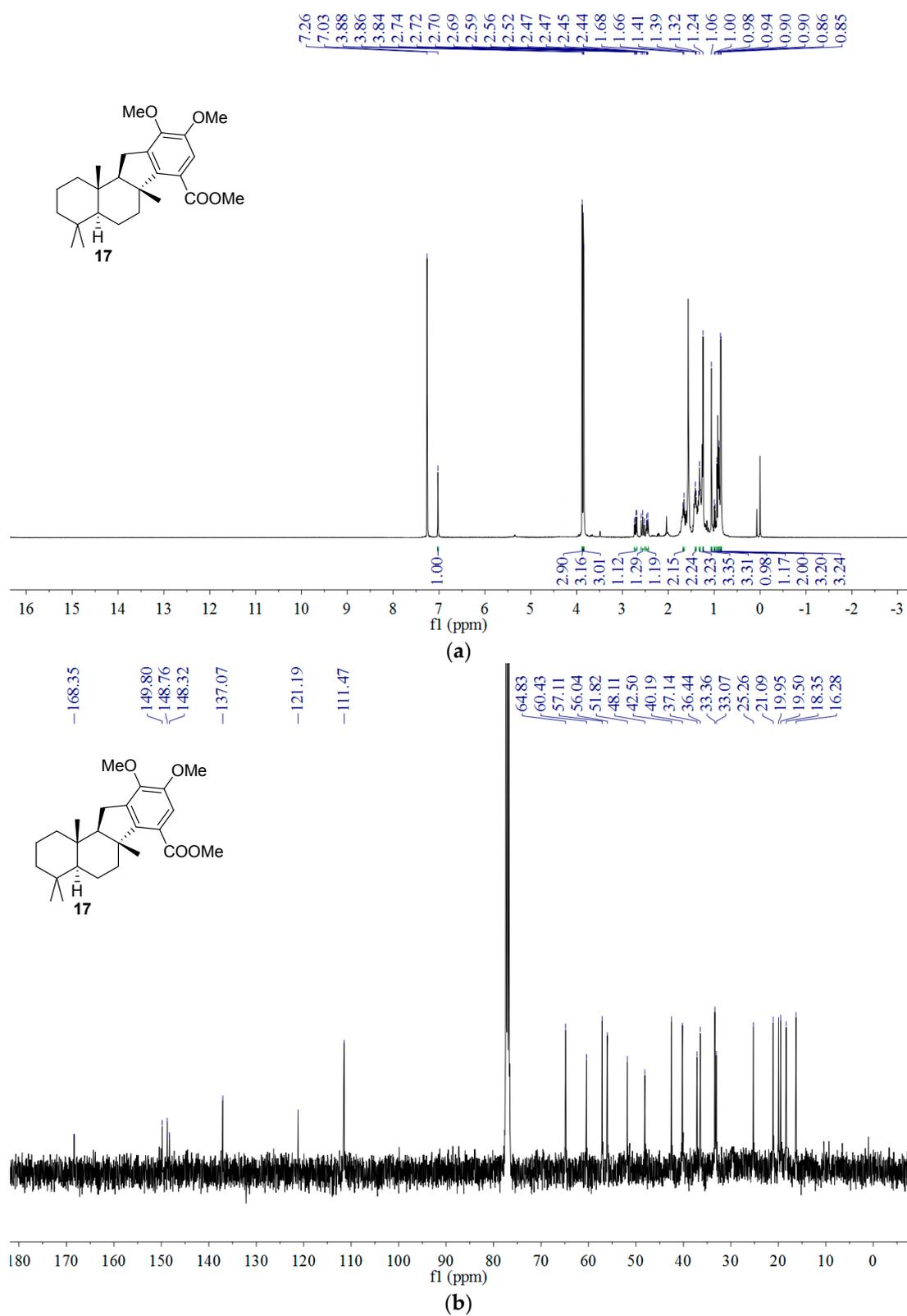


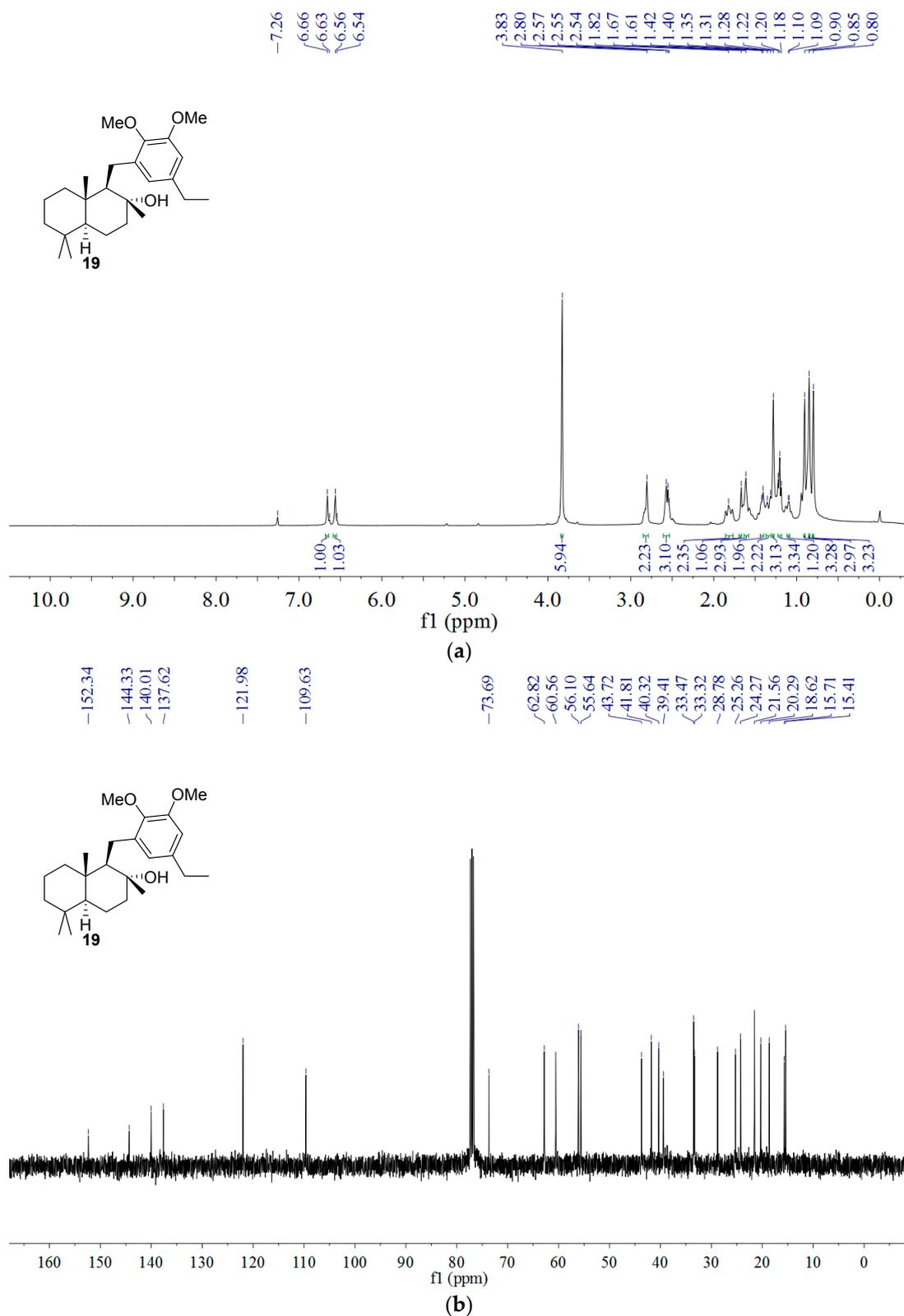
Figure S4. (a)  $^1\text{H}$  NMR spectrum of compound 14; (b)  $^{13}\text{C}$  NMR spectrum of compound 14.



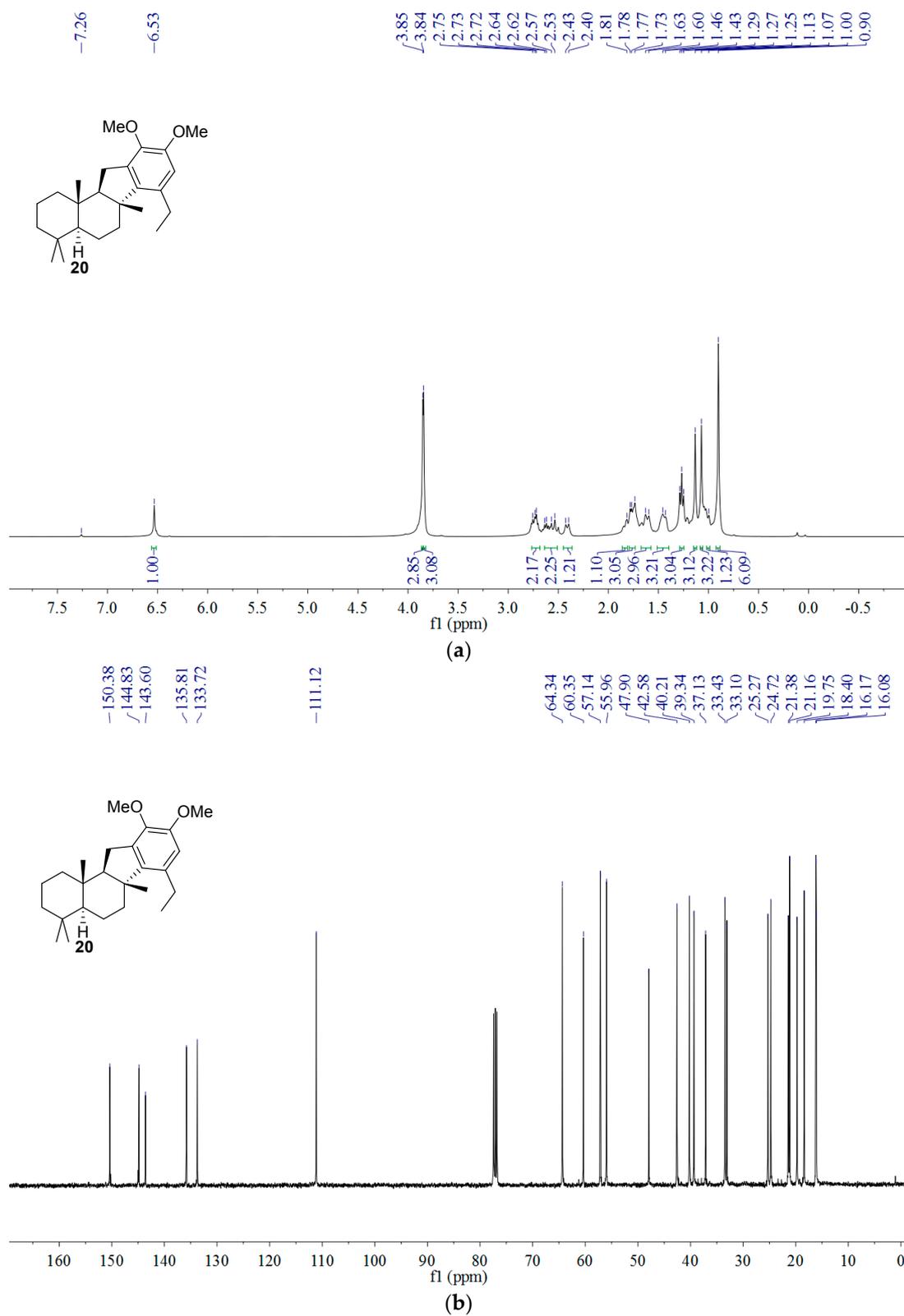
**Figure S5.** (a) <sup>1</sup>H NMR spectrum of compound 15; (b) <sup>13</sup>C NMR spectrum of compound 15.



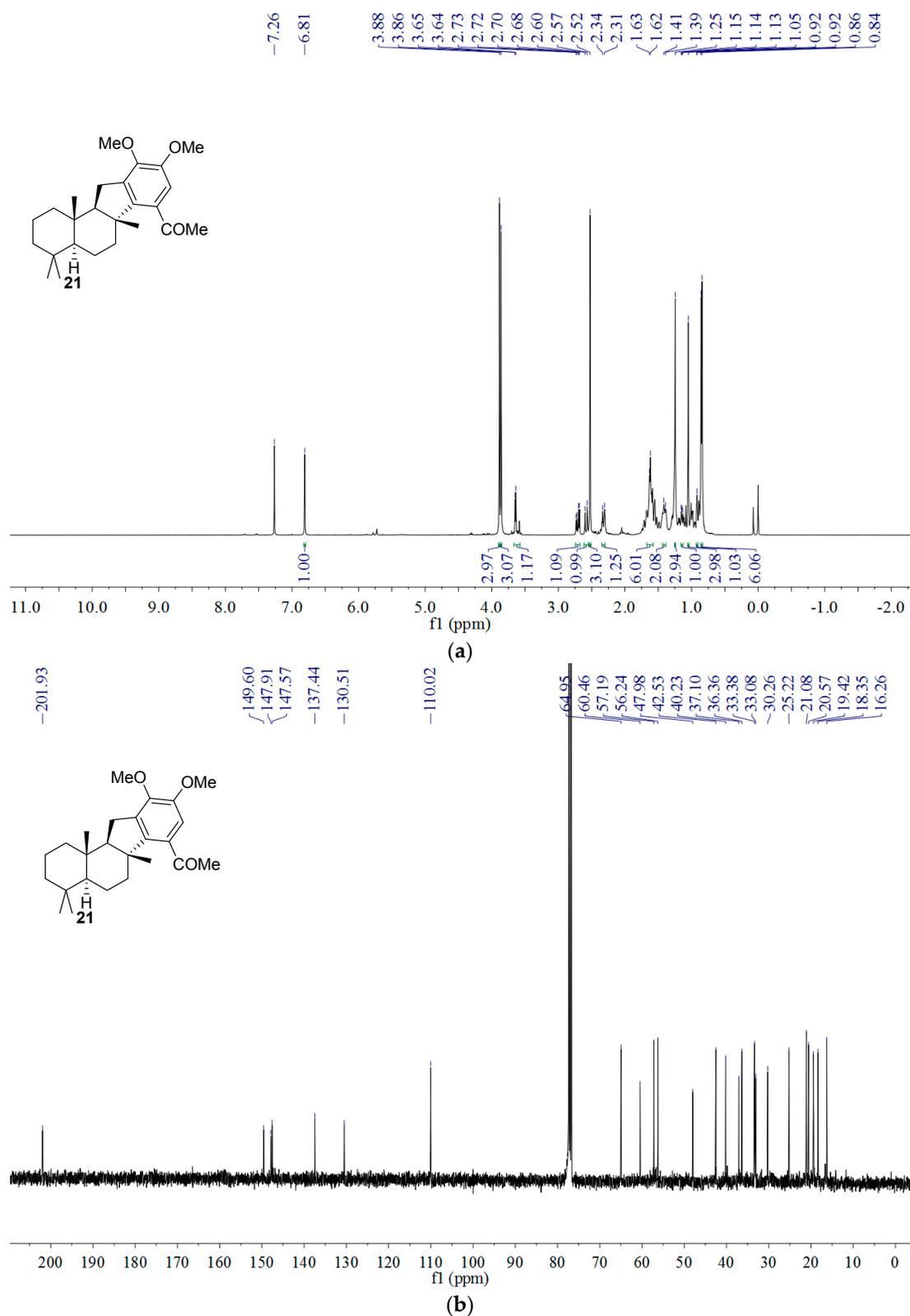
**Figure S6.** (a) <sup>1</sup>H NMR spectrum of compound 17; (b) <sup>13</sup>C NMR spectrum of compound 17.



**Figure S7.** (a) <sup>1</sup>H NMR spectrum of compound 19; (b) <sup>13</sup>C NMR spectrum of compound 19.



**Figure S8.** (a)  $^1\text{H}$  NMR spectrum of compound 20; (b)  $^{13}\text{C}$  NMR spectrum of compound 20.



**Figure S9.** (a)  $^1\text{H}$  NMR spectrum of compound 21; (b)  $^{13}\text{C}$  NMR spectrum of compound 21.

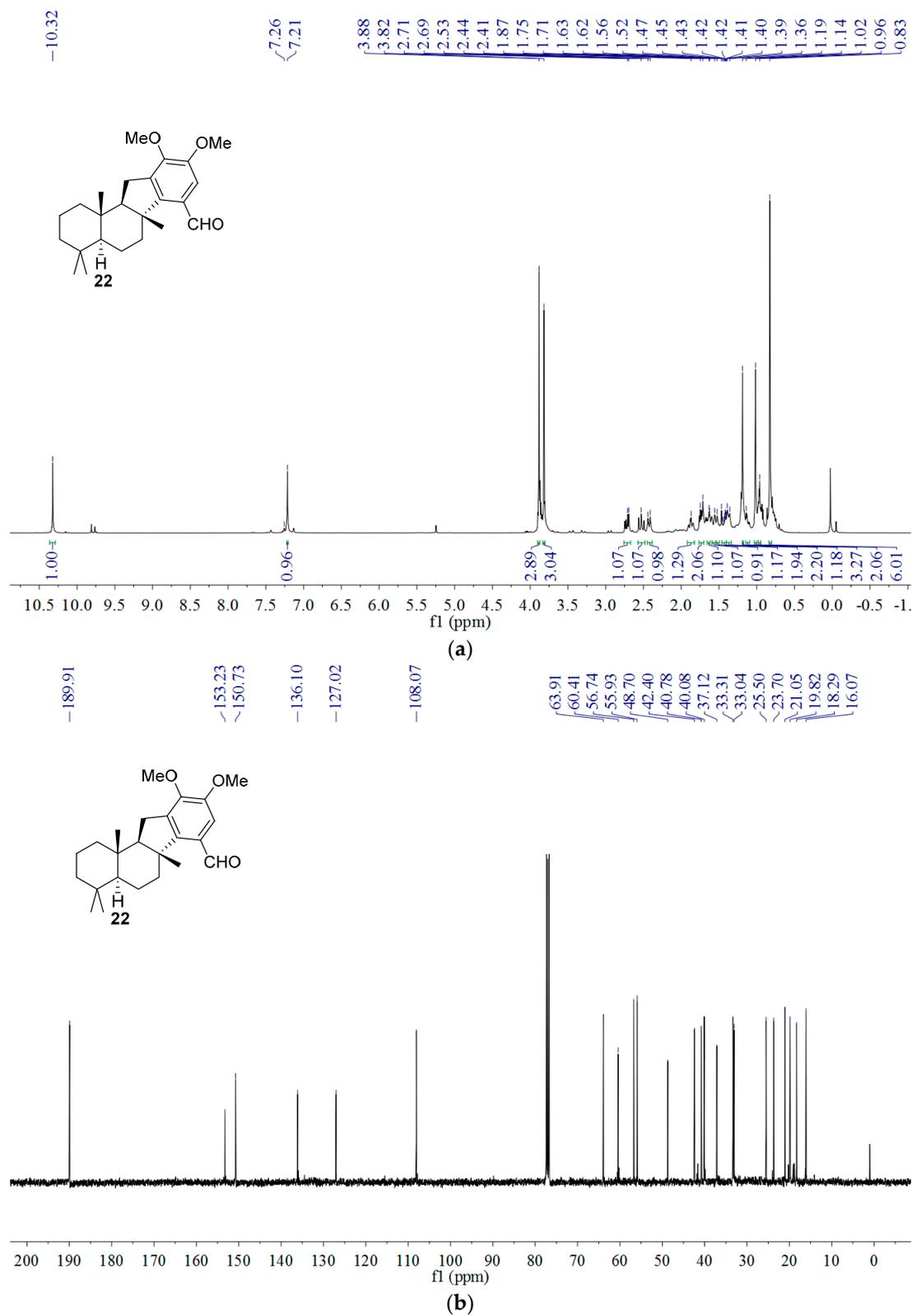
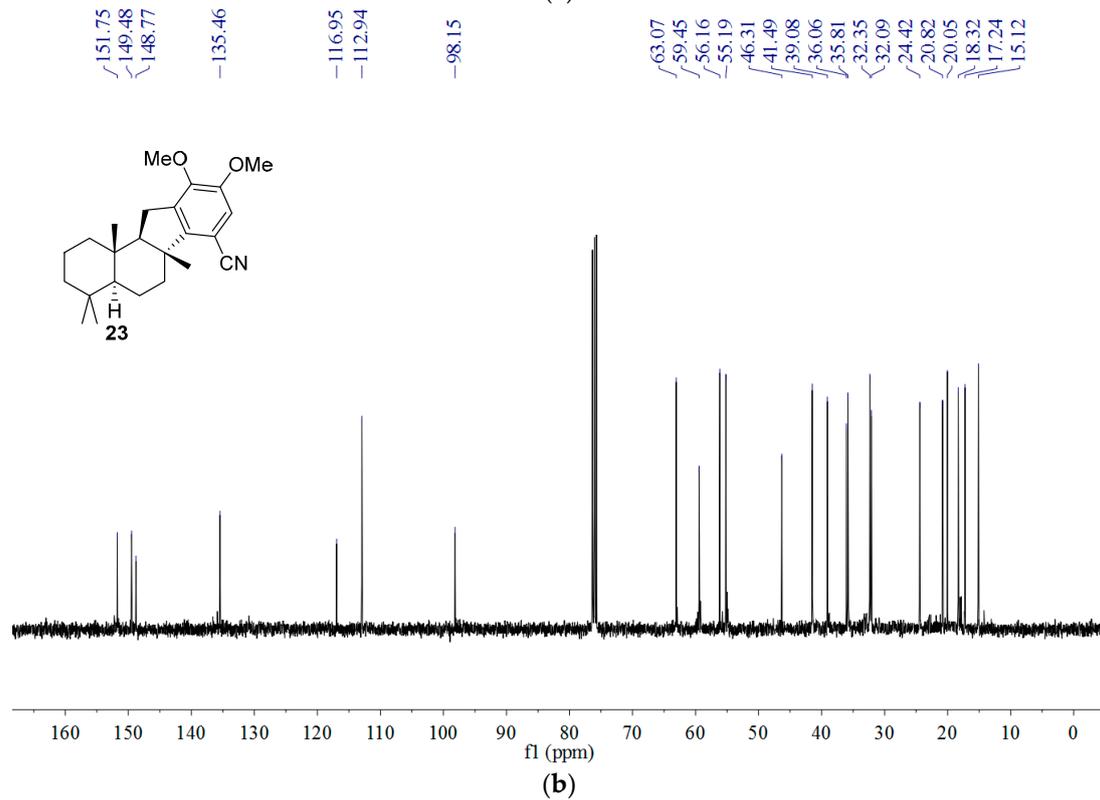
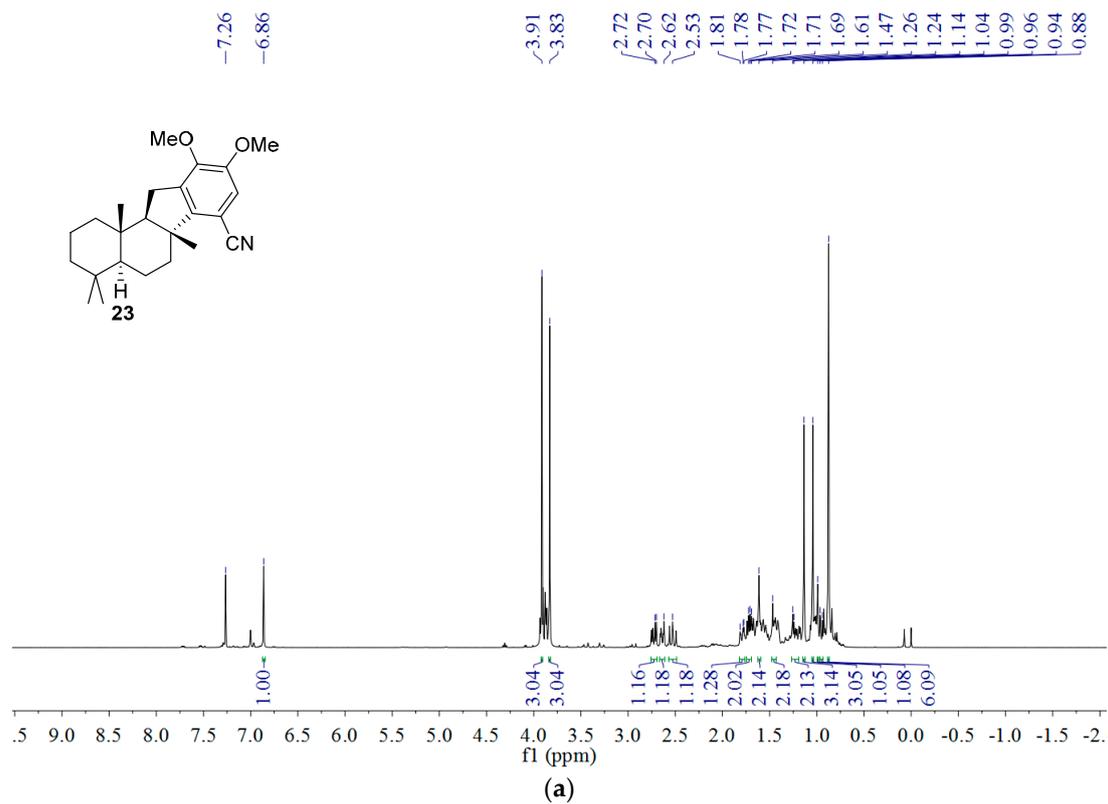


Figure S10. (a) <sup>1</sup>H NMR spectrum of compound 22; (b) <sup>13</sup>C NMR spectrum of compound 22.



**Figure S11.** (a) <sup>1</sup>H NMR spectrum of compound 23; (b) <sup>13</sup>C NMR spectrum of compound 23.

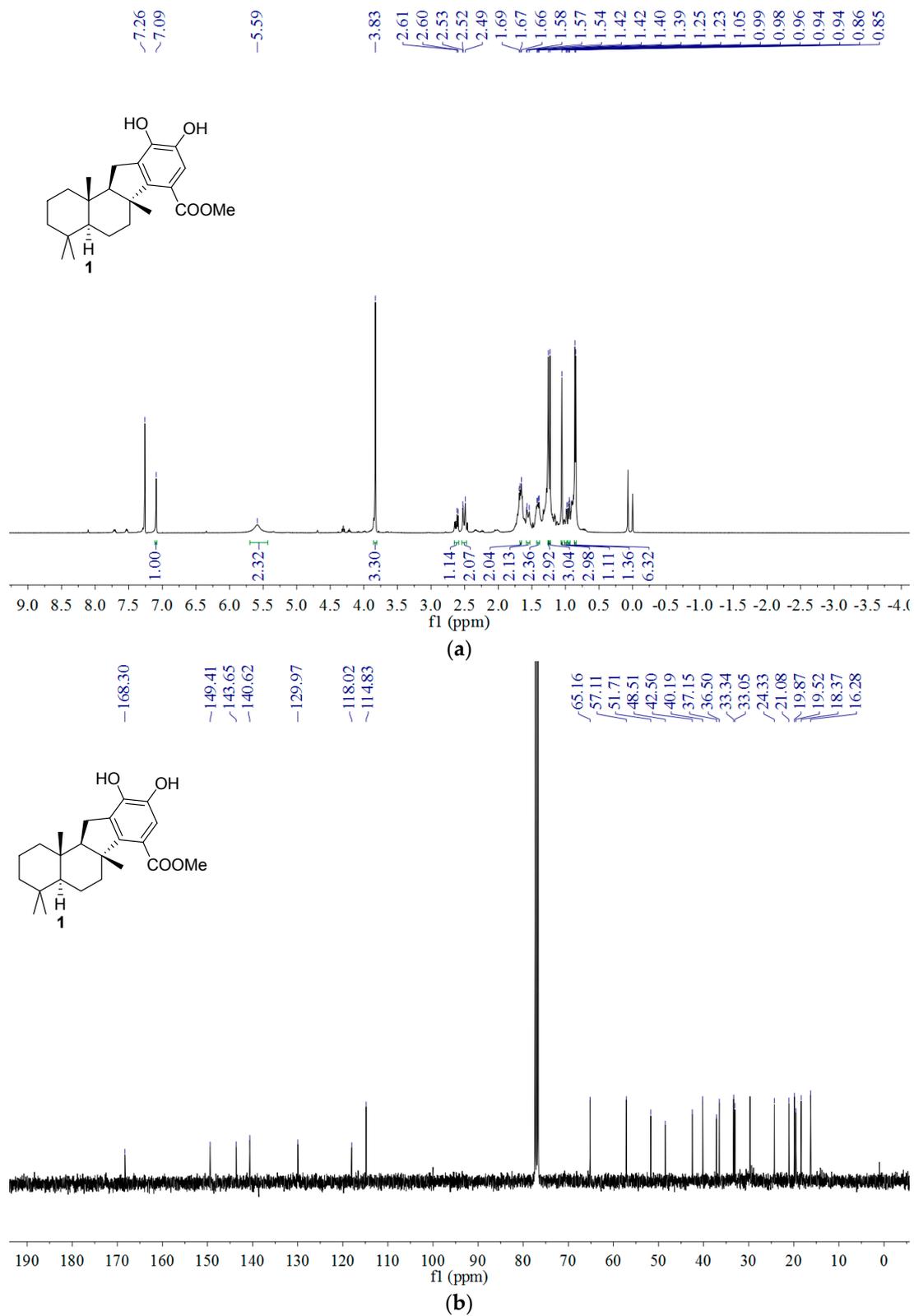
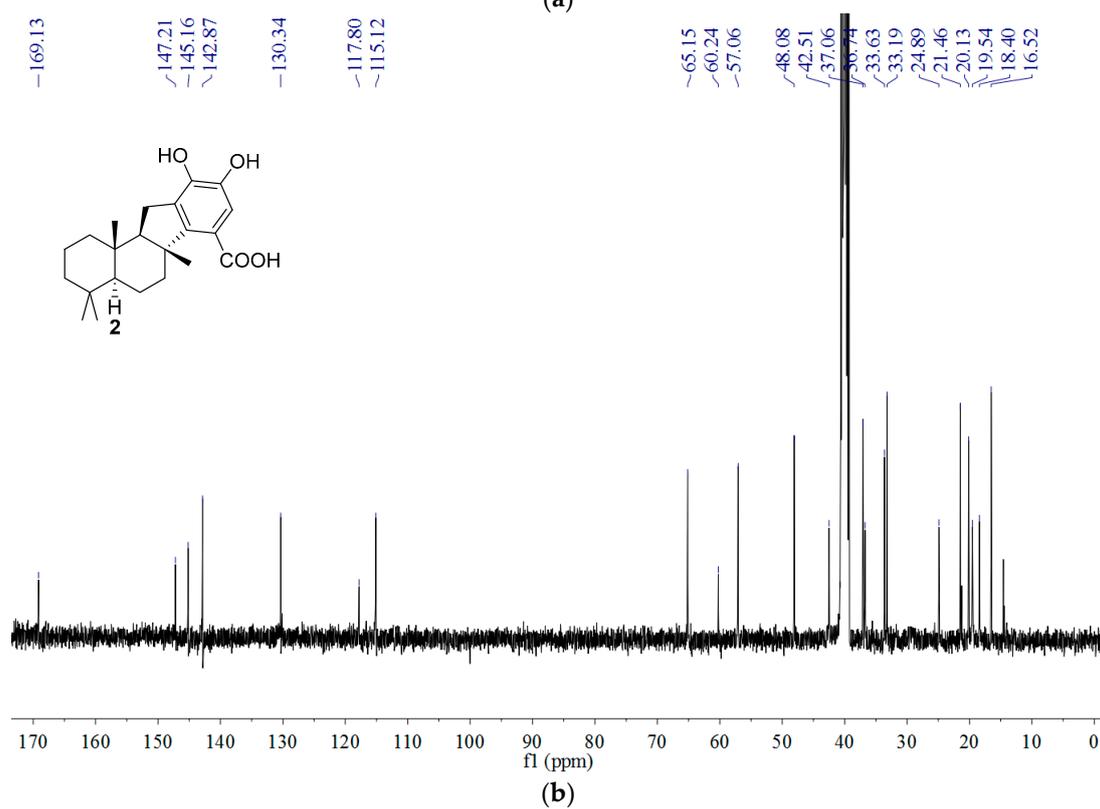
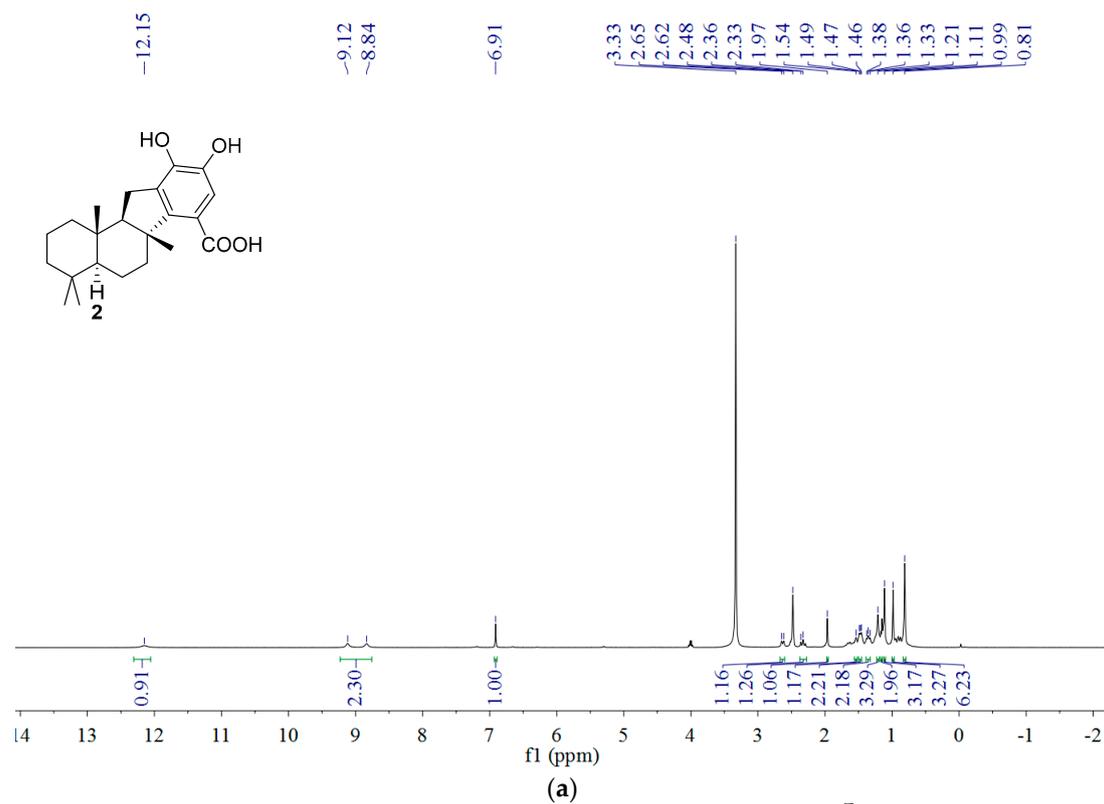


Figure S12. (a) <sup>1</sup>H NMR spectrum of compound 1; (b) <sup>13</sup>C NMR spectrum of compound 1.



**Figure S13.** (a) <sup>1</sup>H NMR spectrum of compound 2; (b) <sup>13</sup>C NMR spectrum of compound 2.

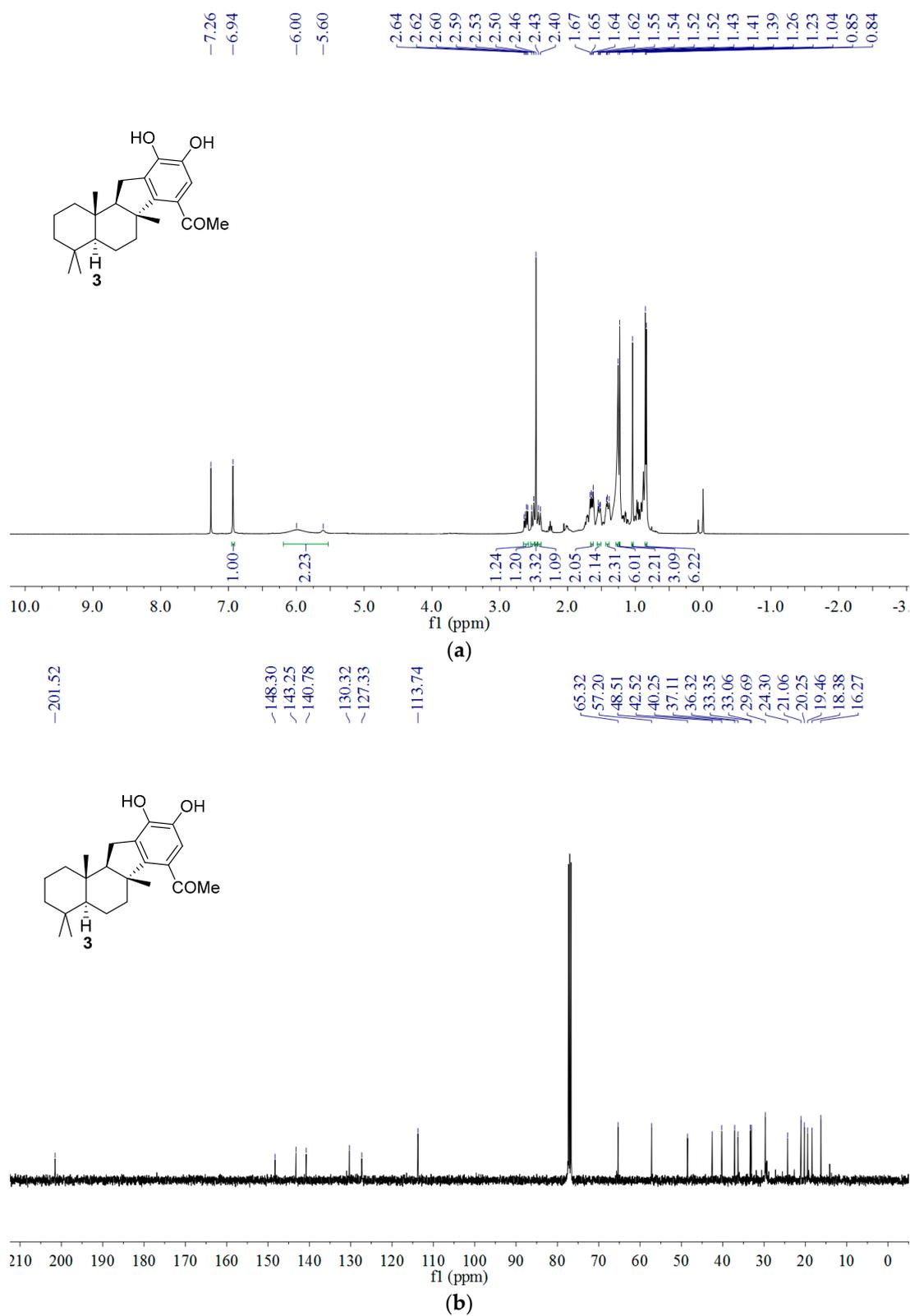


Figure S14. (a) <sup>1</sup>H NMR spectrum of compound 3; (b) <sup>13</sup>C NMR spectrum of compound 3.

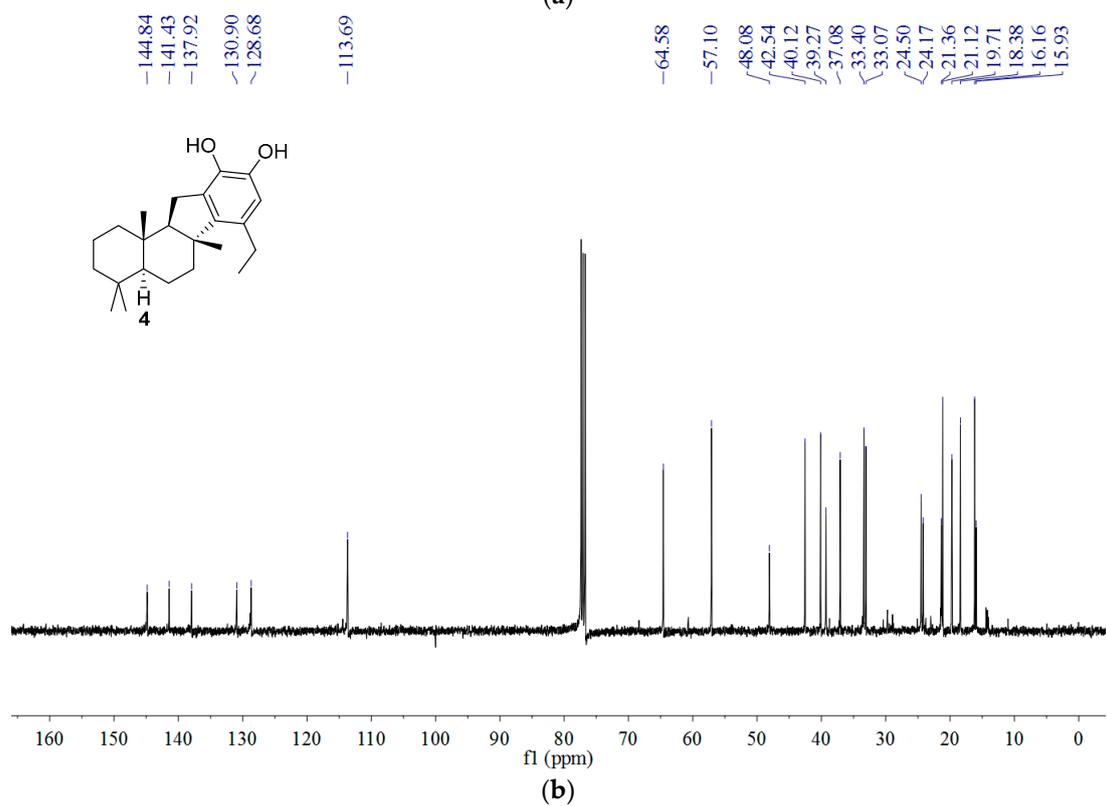
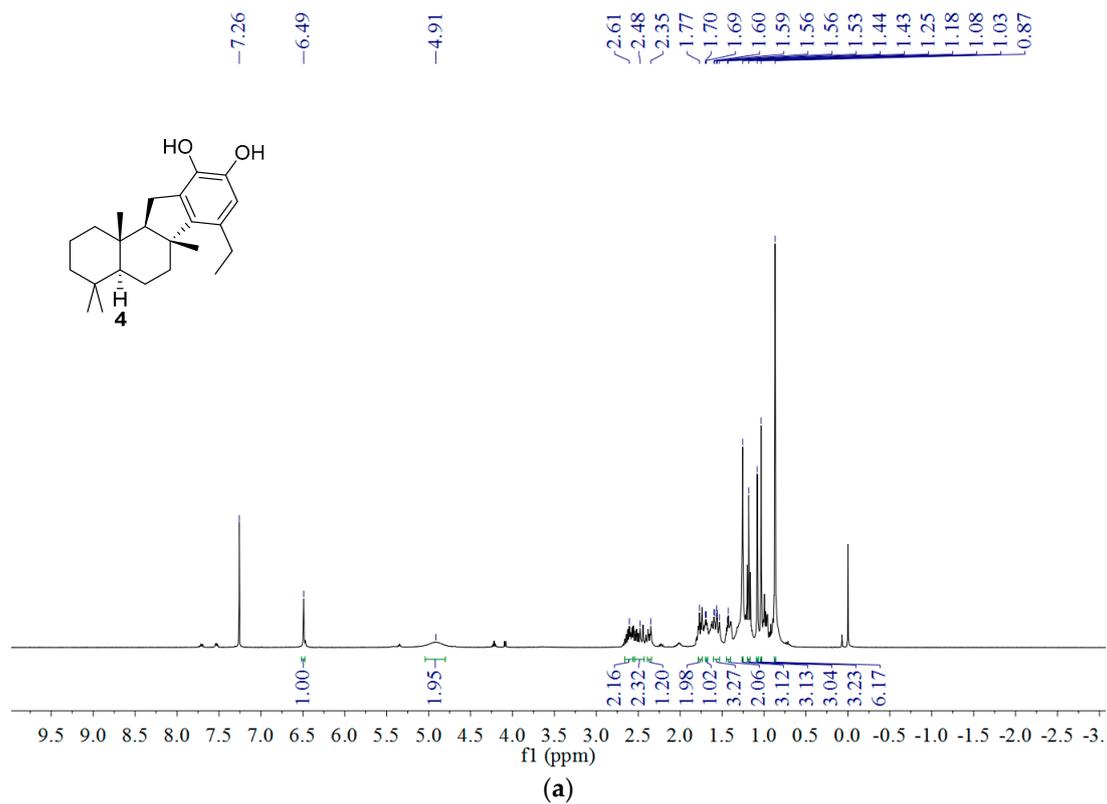


Figure S15. (a)  $^1\text{H}$  NMR spectrum of compound 4; (b)  $^{13}\text{C}$  NMR spectrum of compound 4.

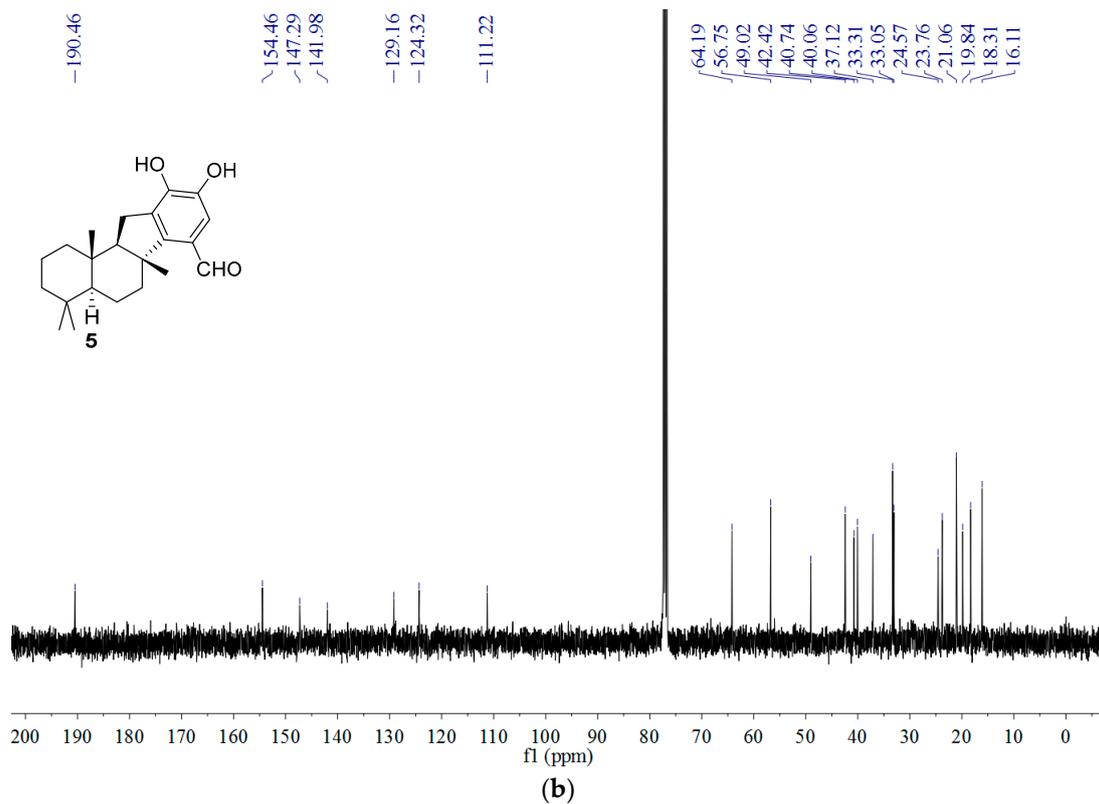
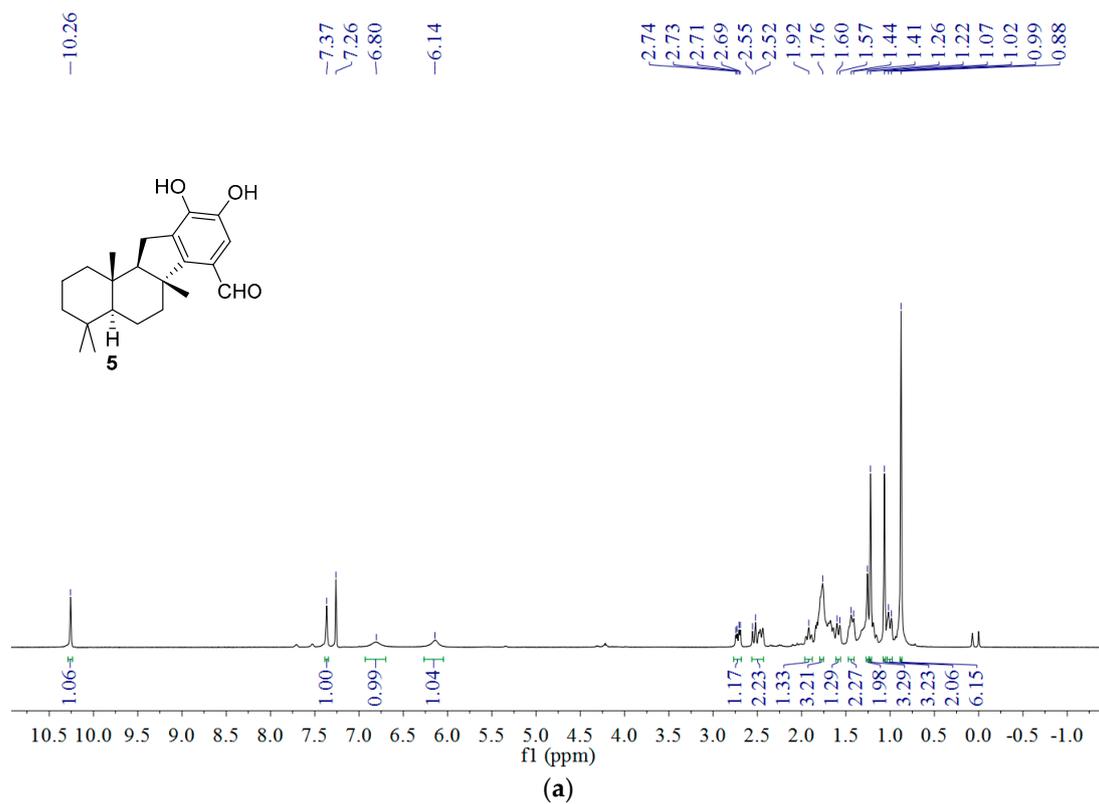


Figure S16. (a)  $^1\text{H}$  NMR spectrum of compound 5; (b)  $^{13}\text{C}$  NMR spectrum of compound 5.

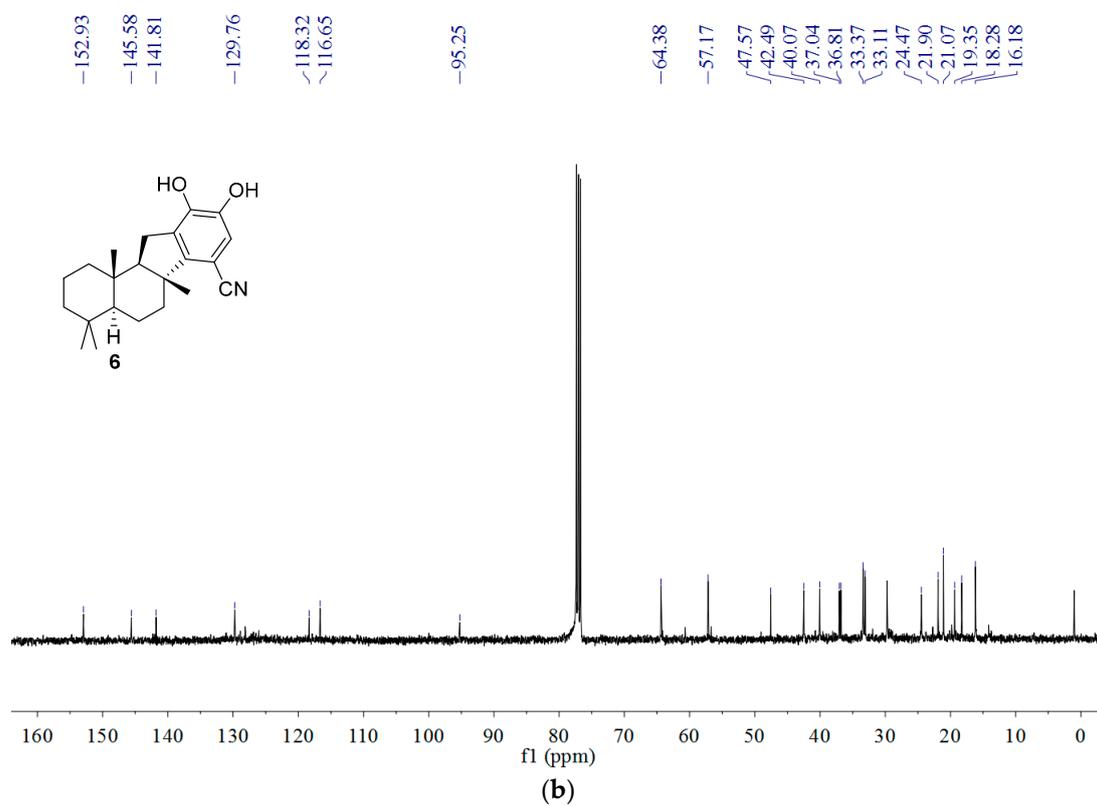
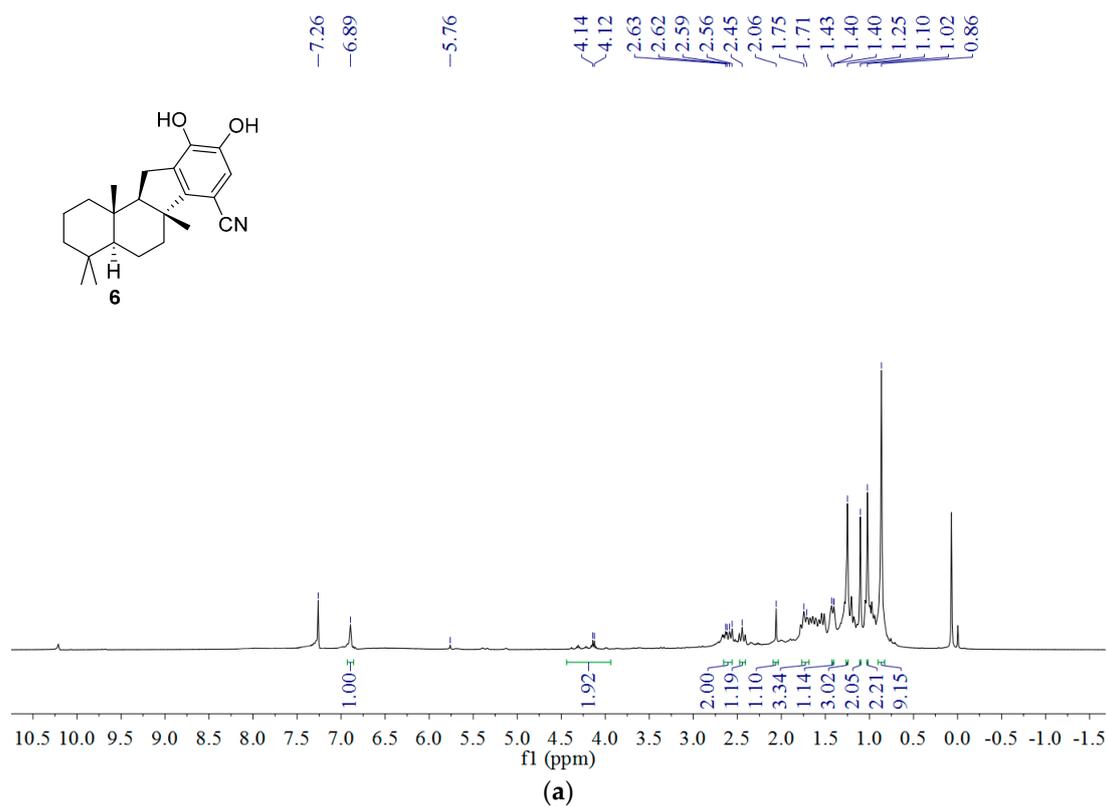


Figure S17. (a) <sup>1</sup>H NMR spectrum of compound 6; (b) <sup>13</sup>C NMR spectrum of compound 6.