

## **Electronic Supplementary Information**

### **Isolation, antimicrobial activity, and absolute configuration of the furylidene tetronic acid core of pestalotic acids A–G**

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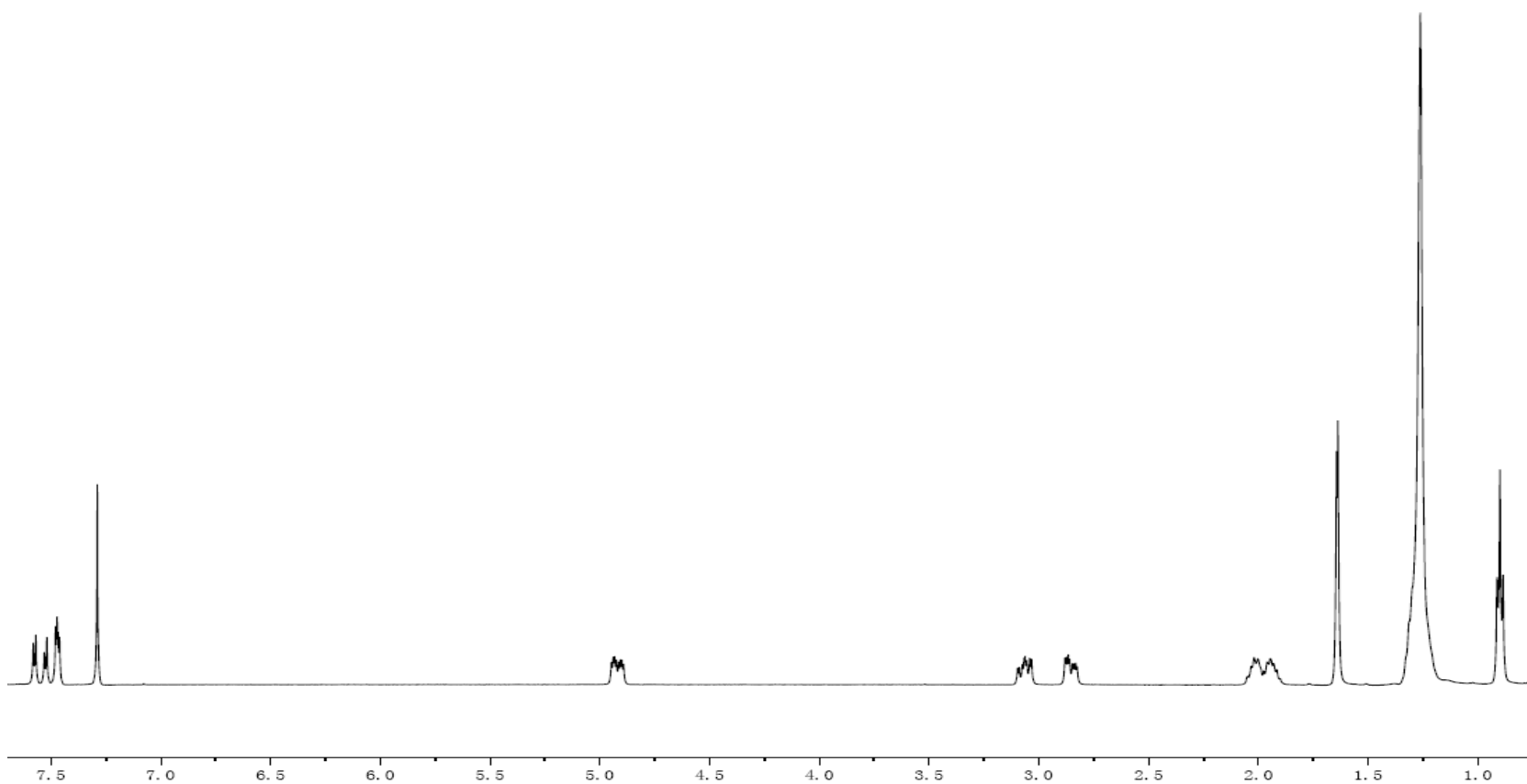
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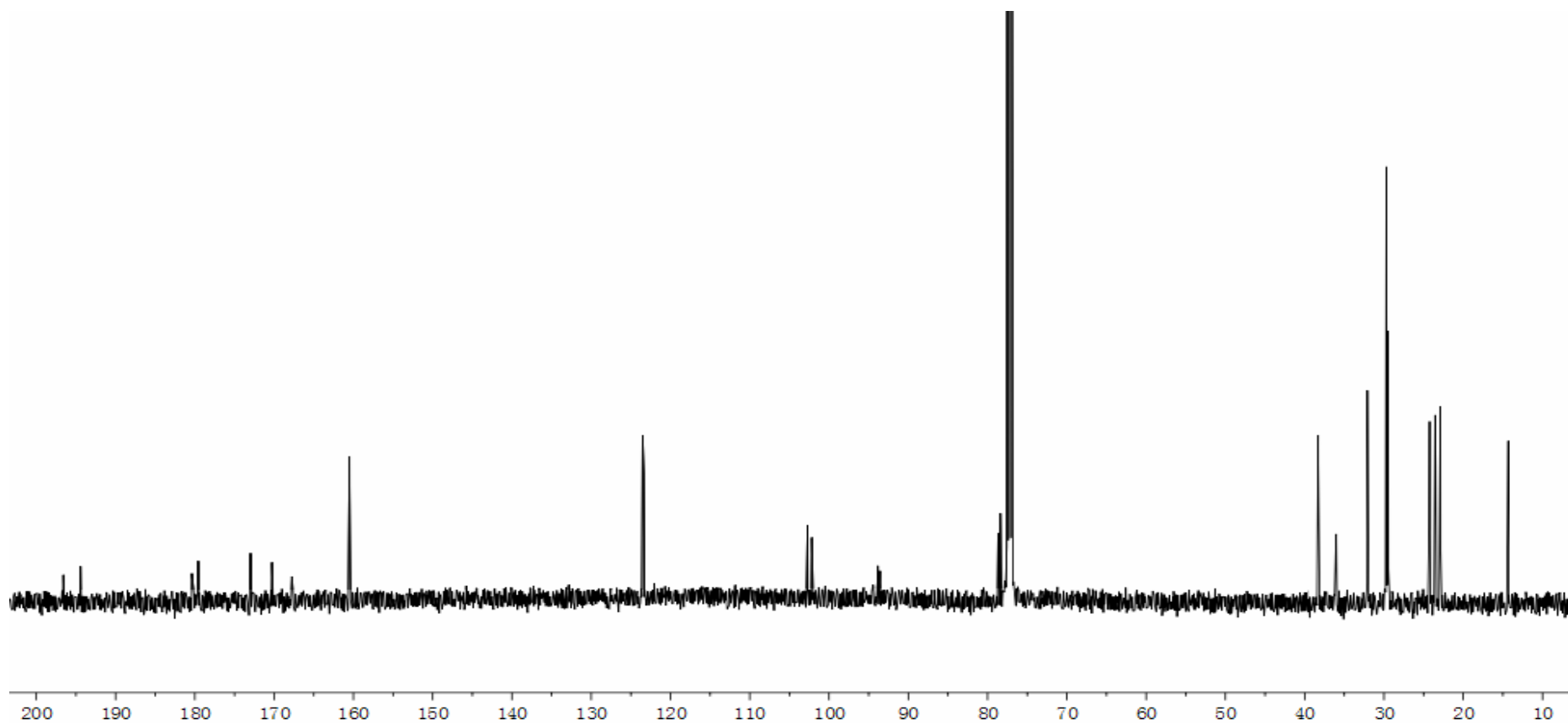
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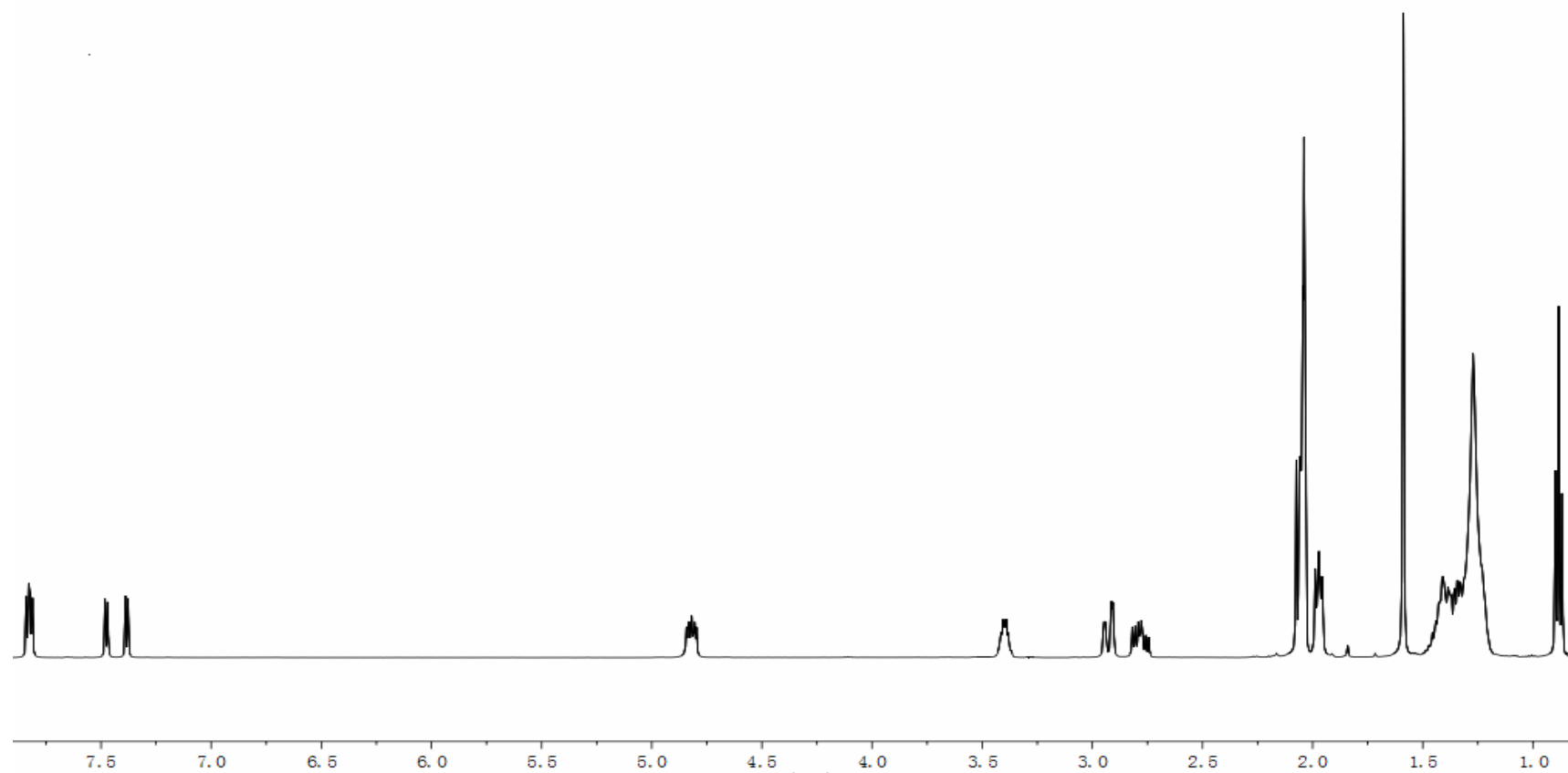
**Figure S1.**  $^1\text{H}$  NMR Spectrum of Pestalotic Acid A (**1**; 500 MHz;  $\text{CDCl}_3$ )



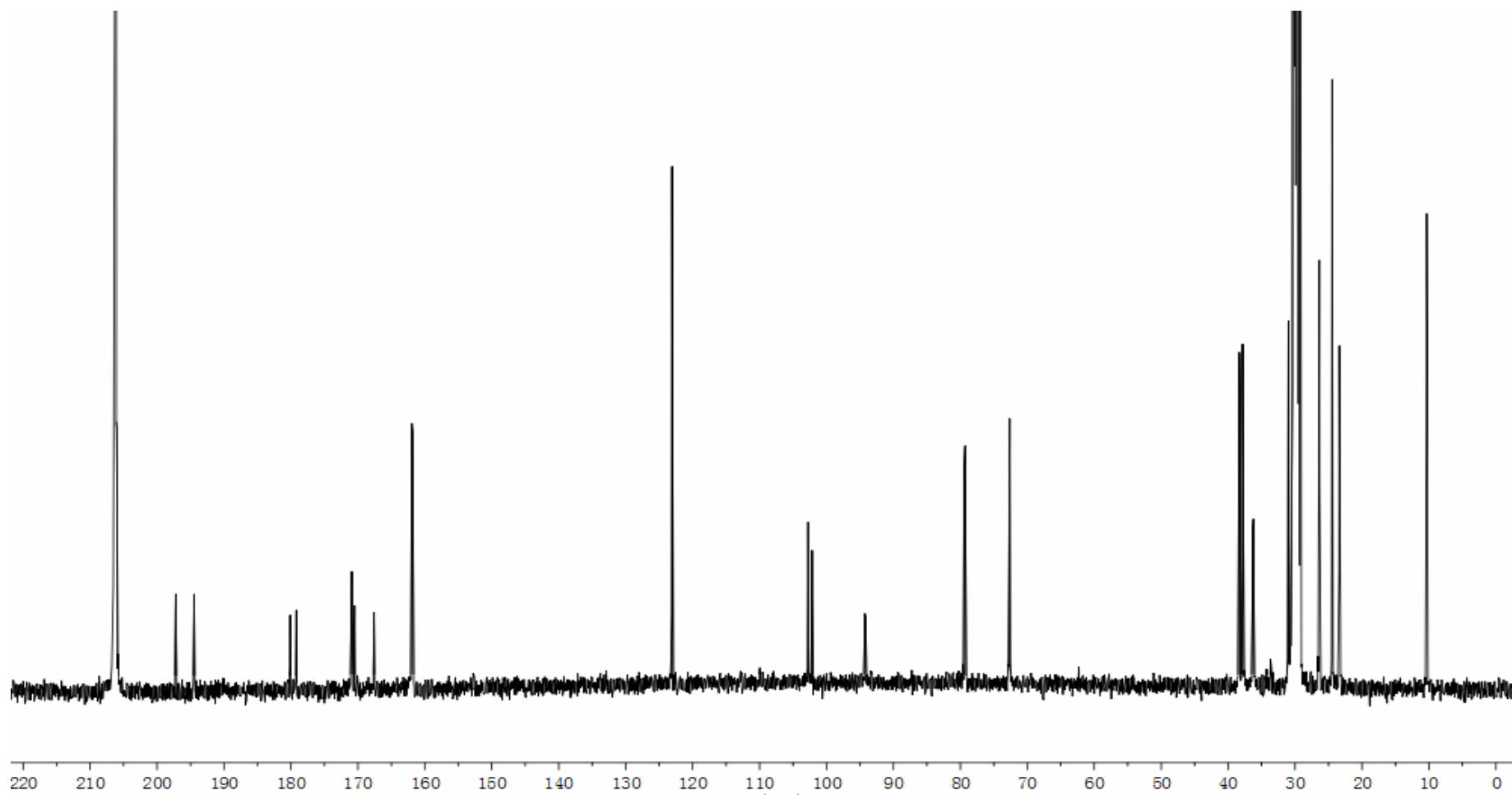
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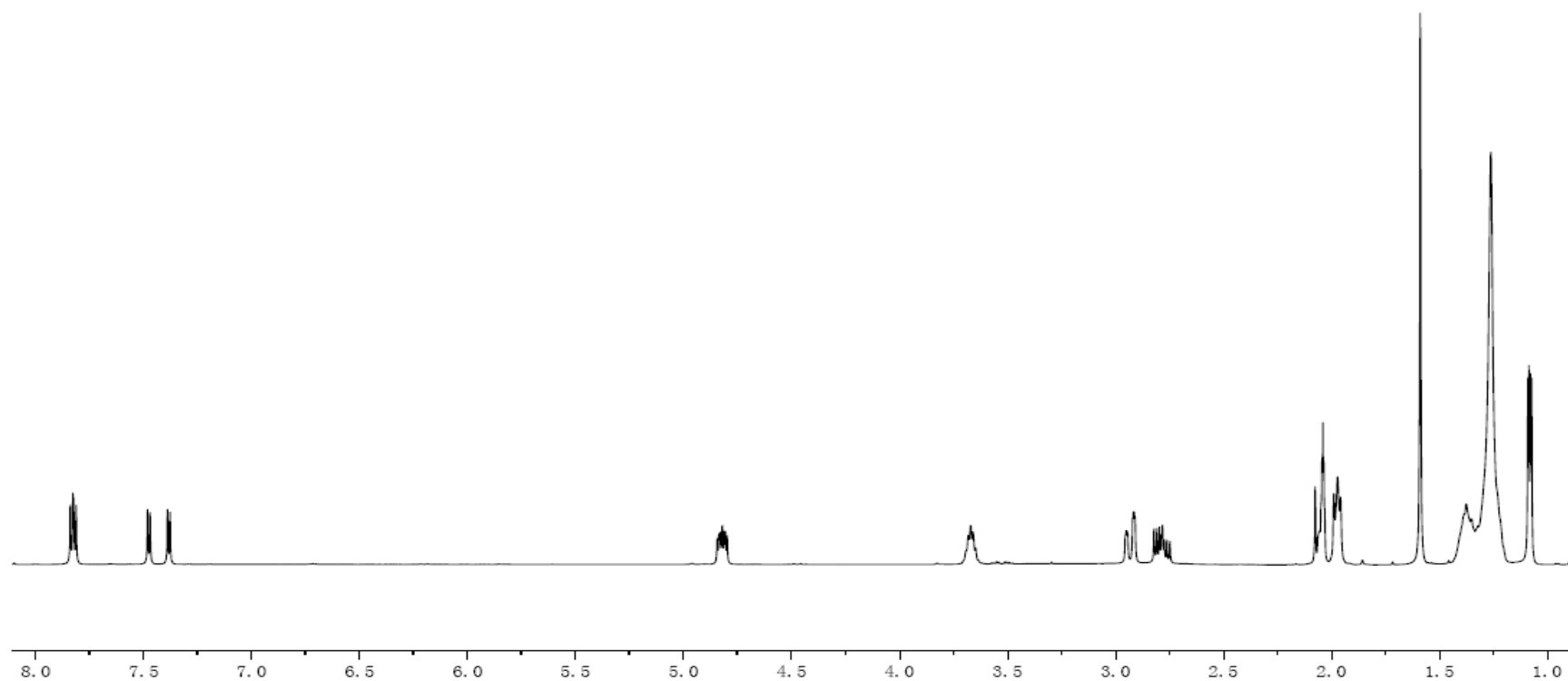
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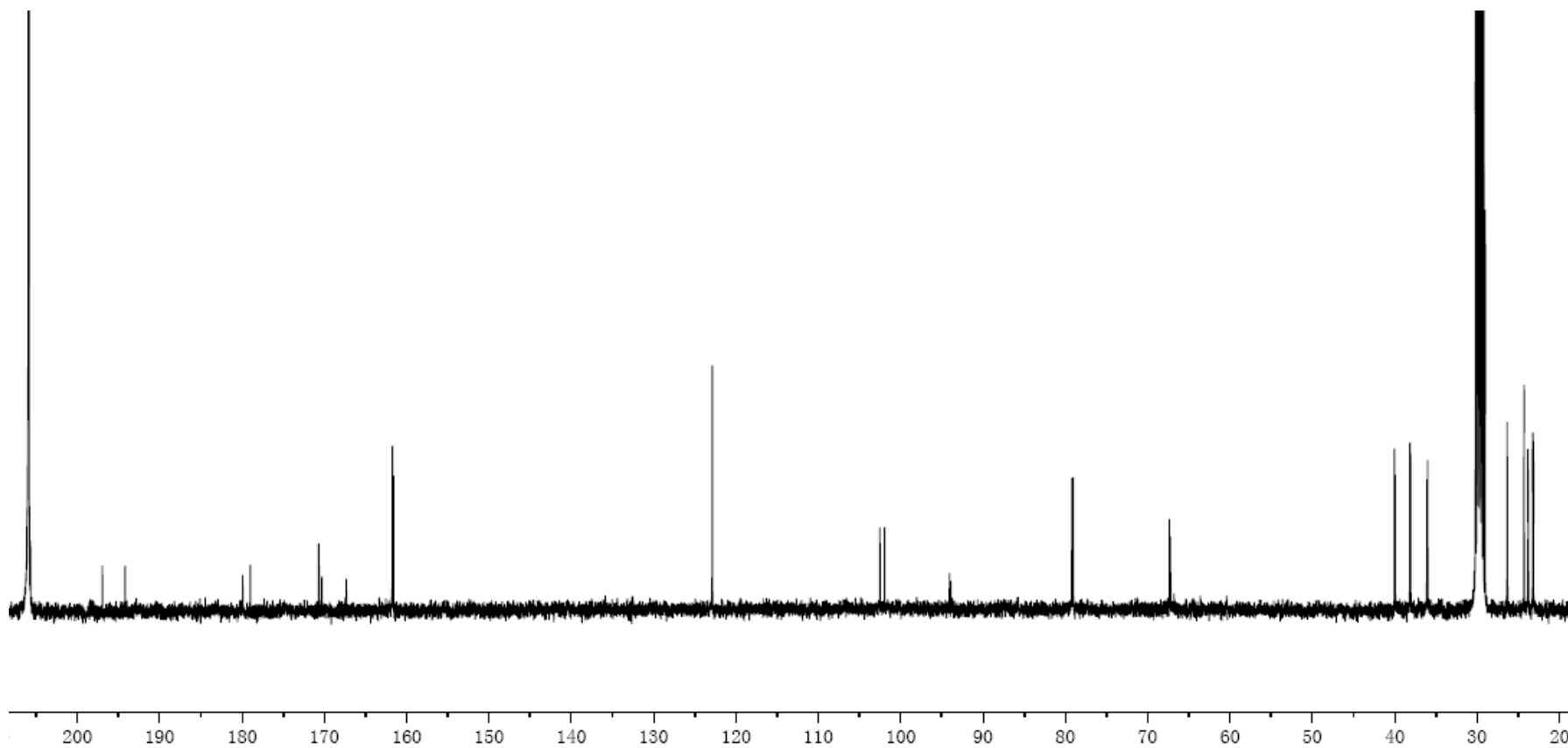
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**Figure S5.**  $^1\text{H}$  NMR Spectrum of Pestalotic Acid C (**3**; 500 MHz; Acetone- $d_6$ )

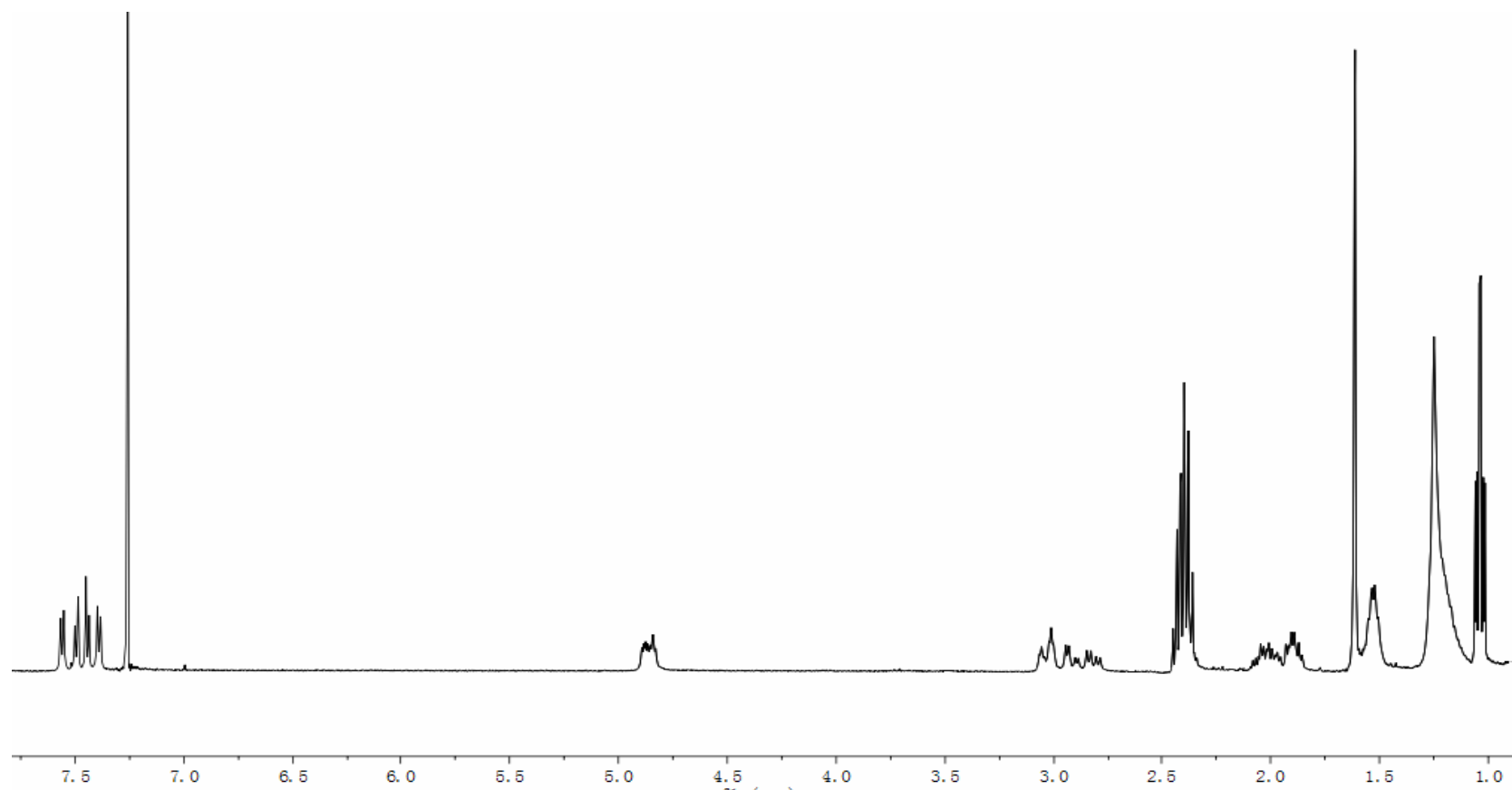


**Figure S6.**  $^{13}\text{C}$  NMR Spectrum of Pestalotic Acid C (**3**; 100 MHz; Acetone- $d_6$ )

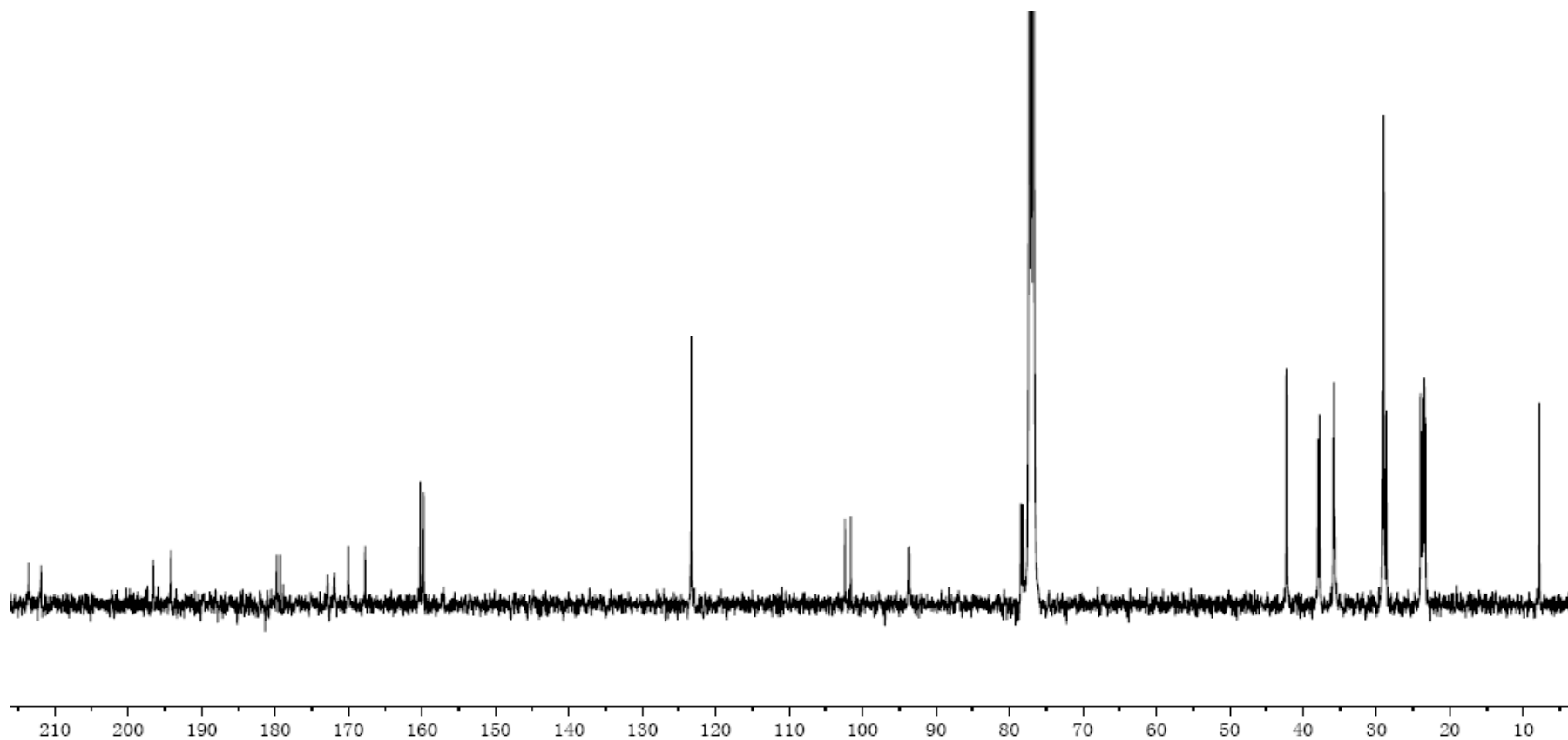




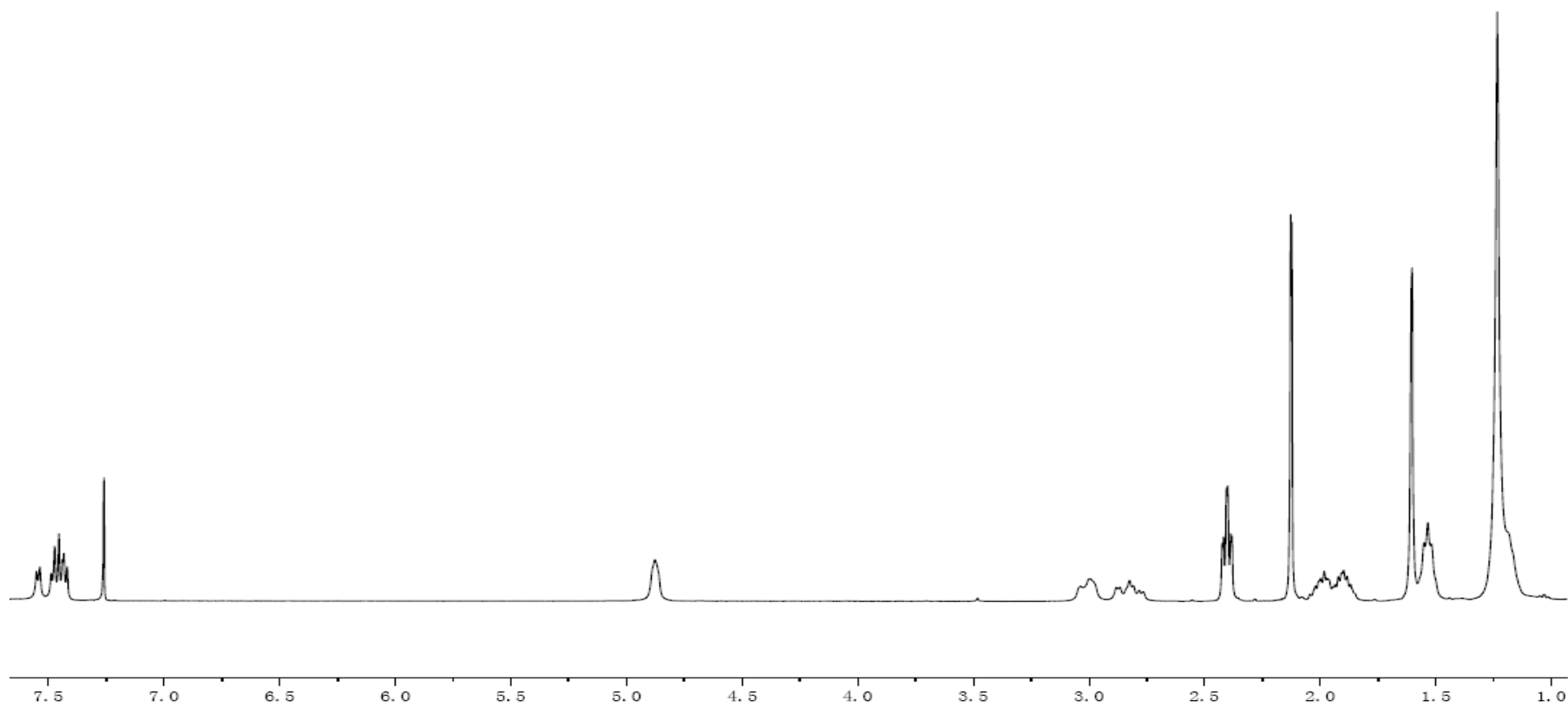
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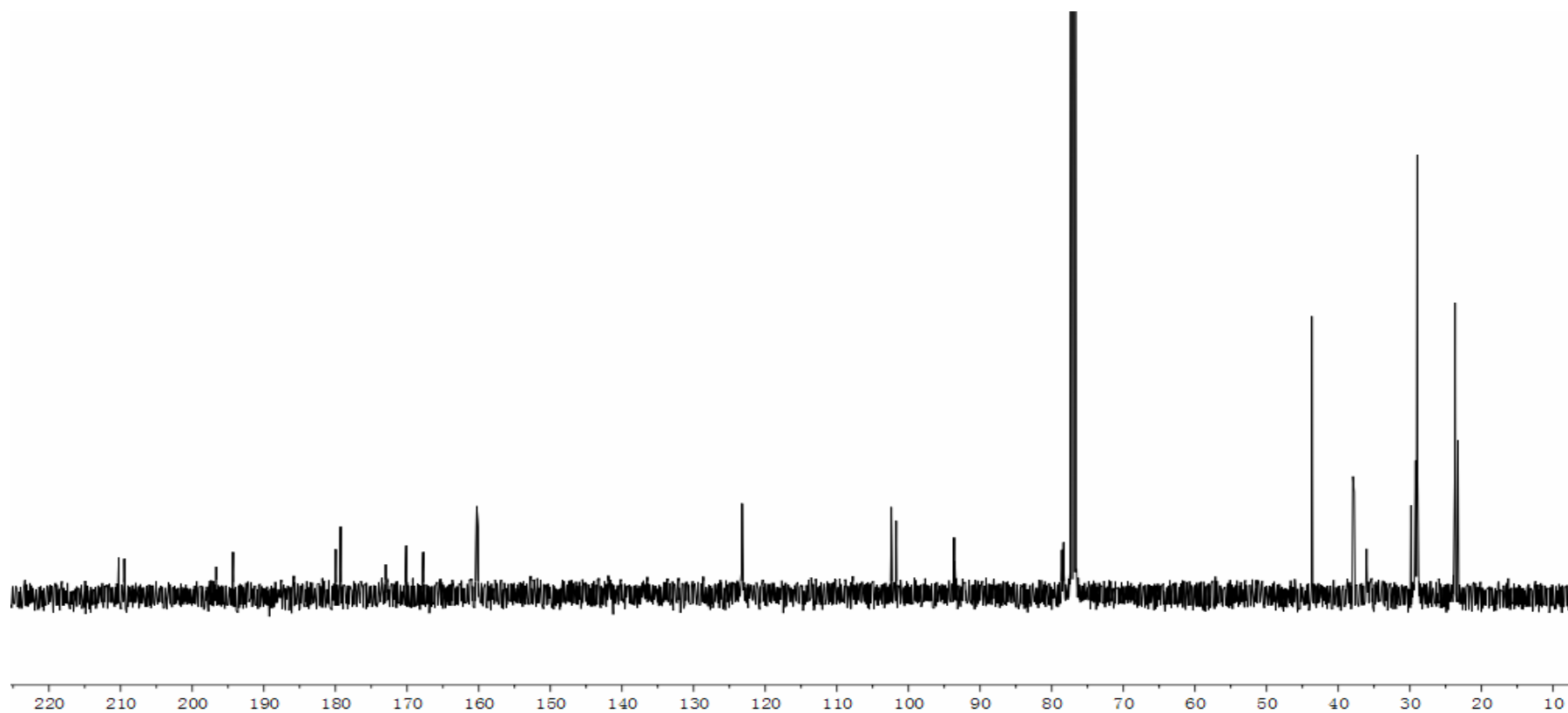
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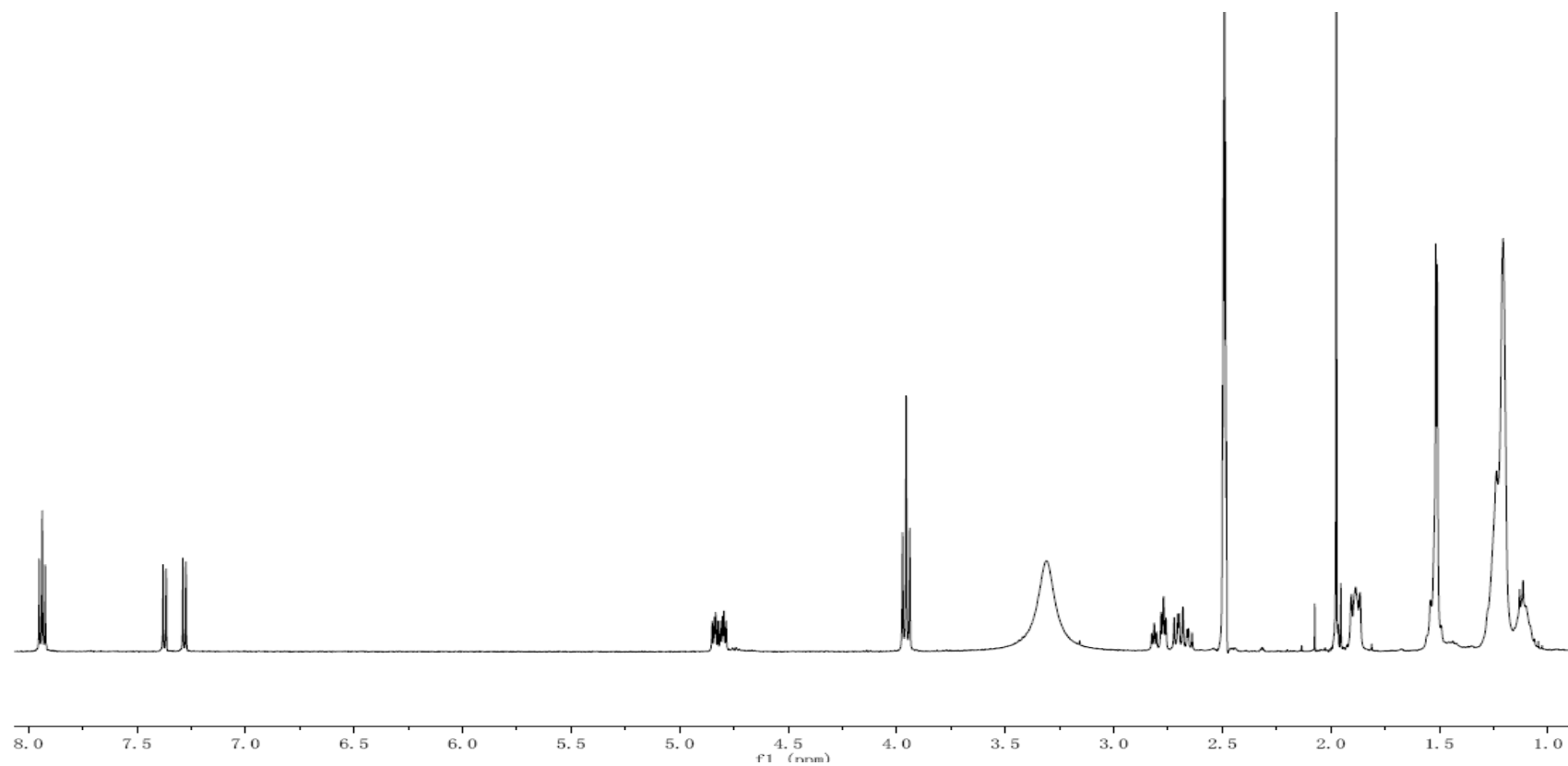
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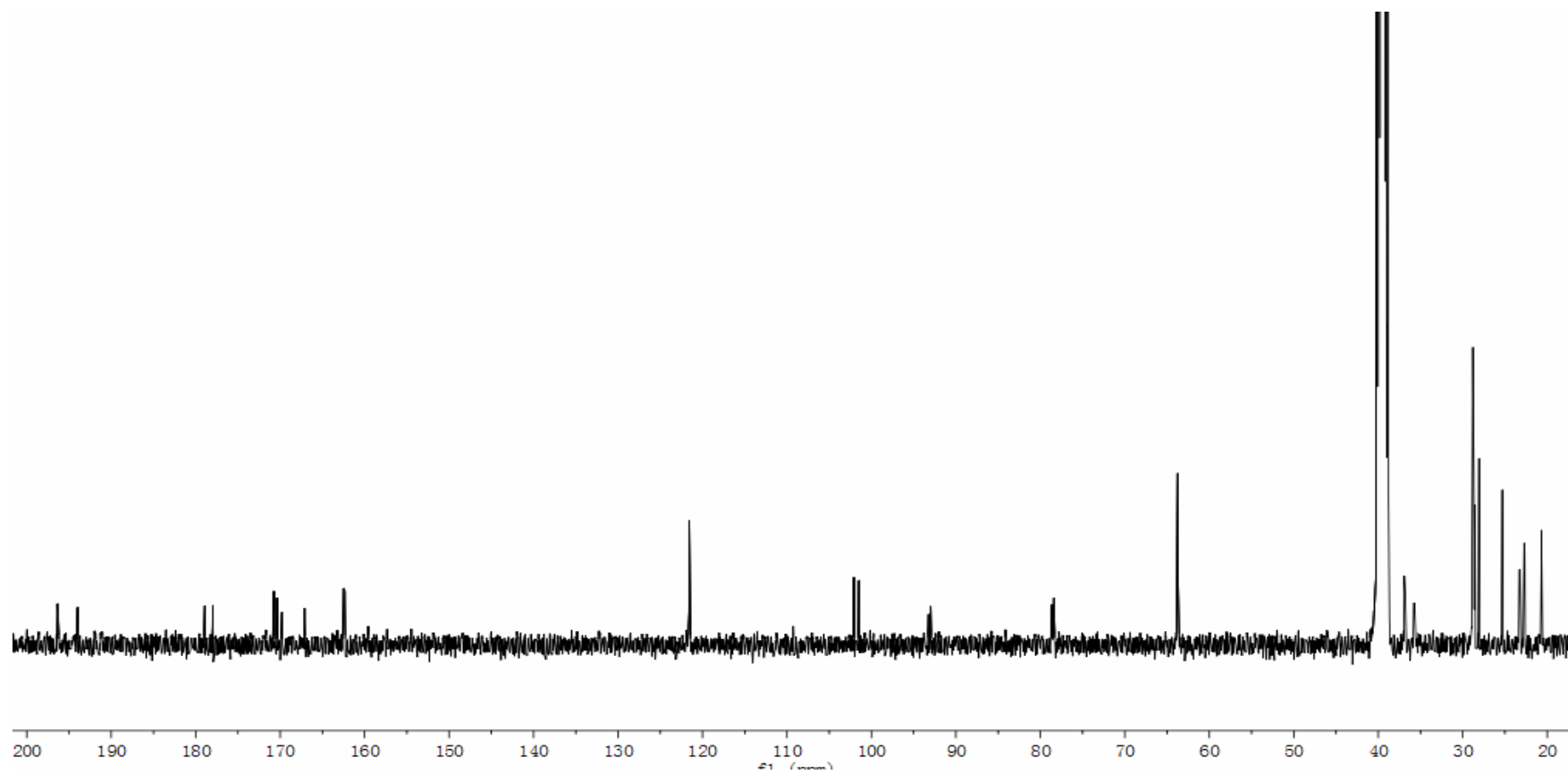
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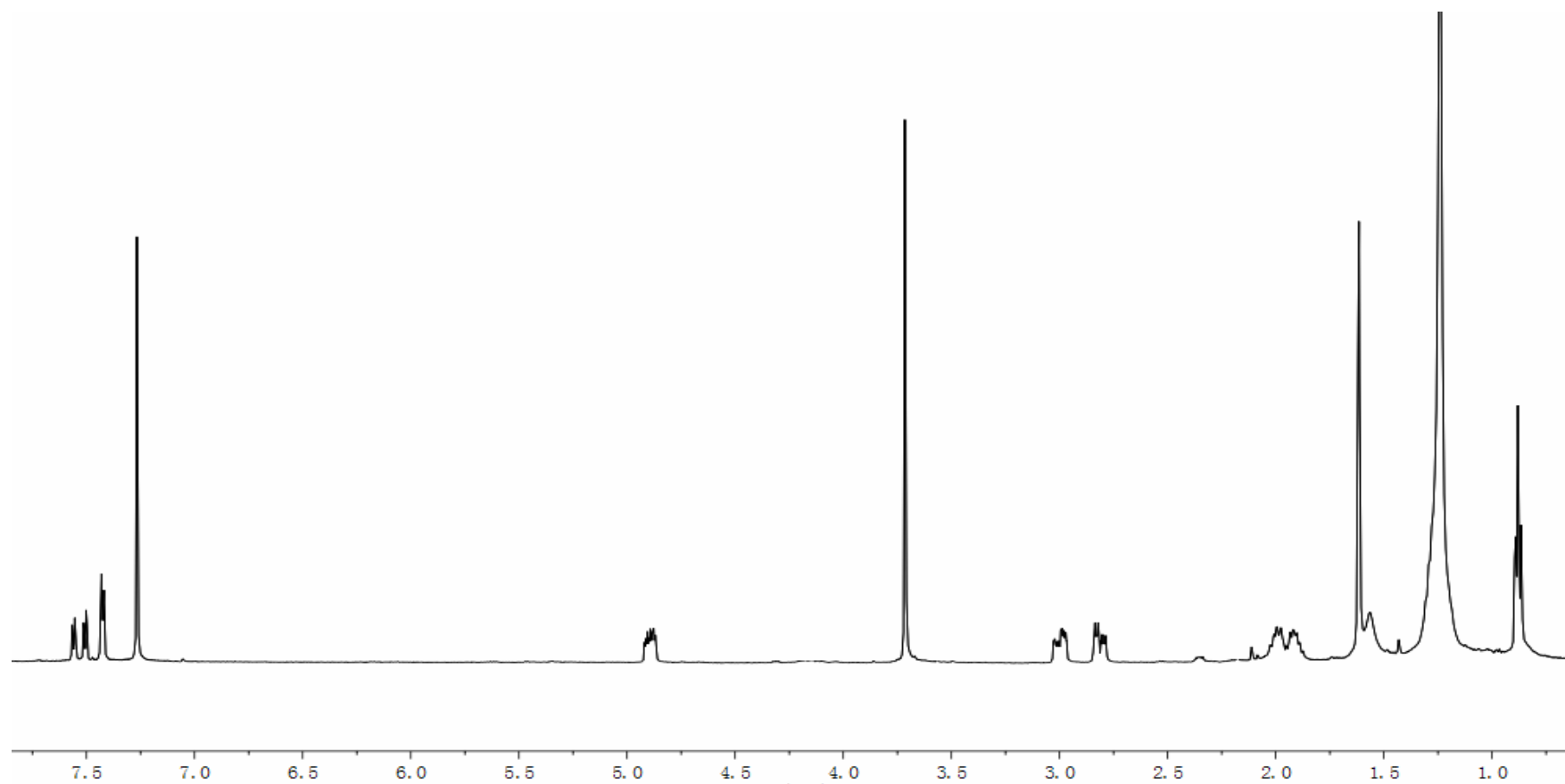
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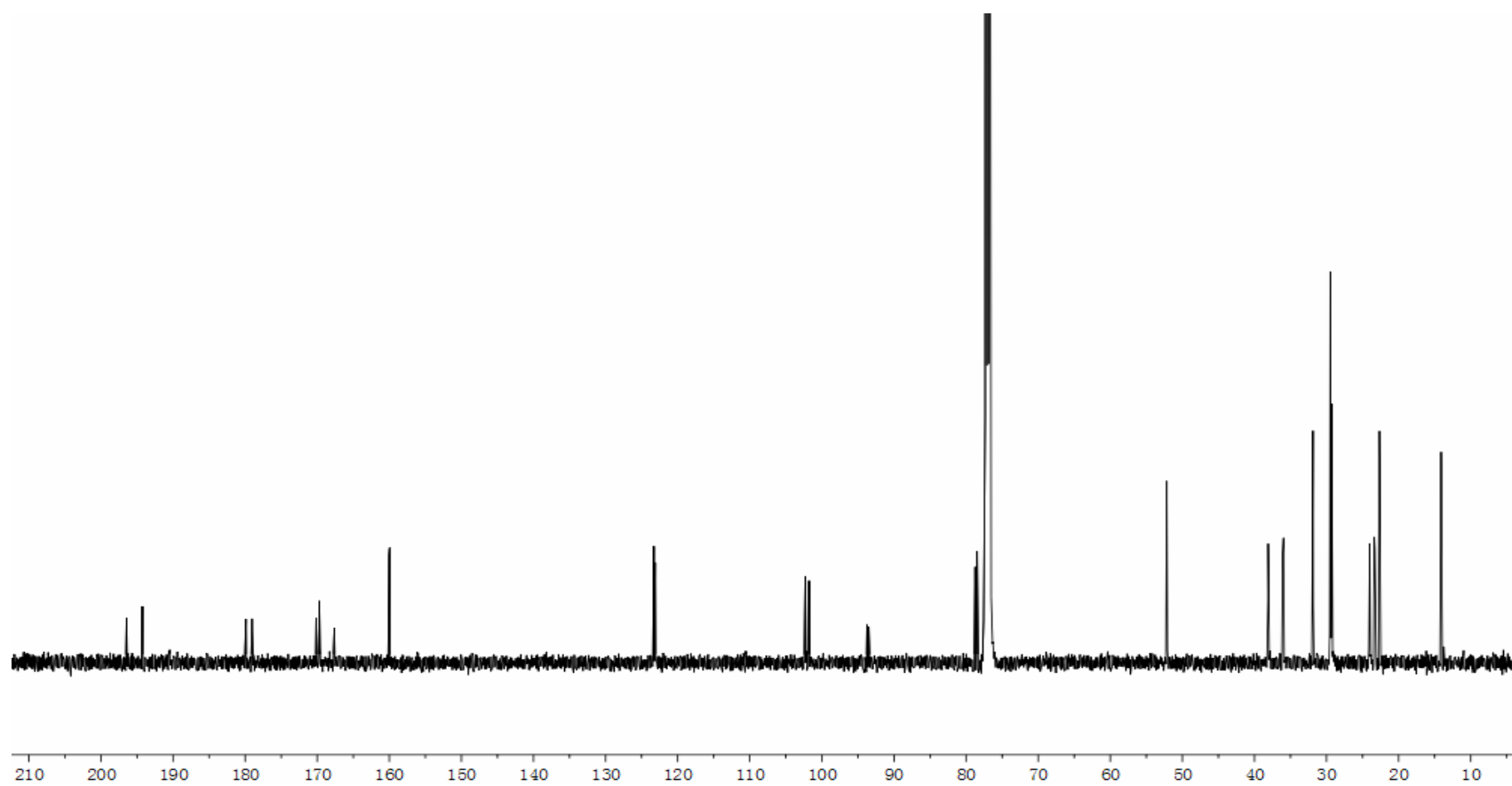
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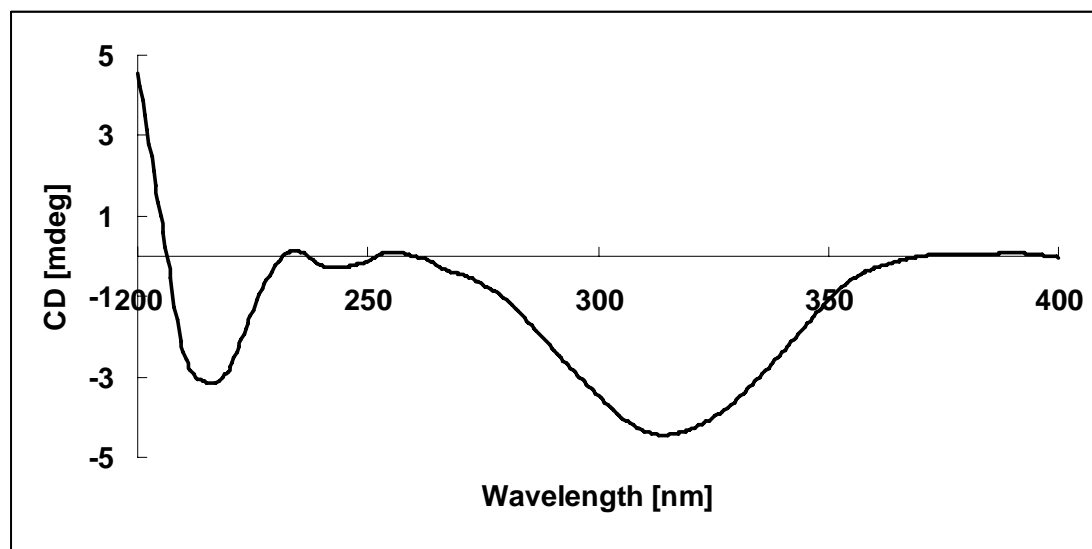


**Figure S14.**  $^{13}\text{C}$  NMR Spectrum of Pestalotic Acid G (**7**; 125 MHz;  $\text{CDCl}_3$ )

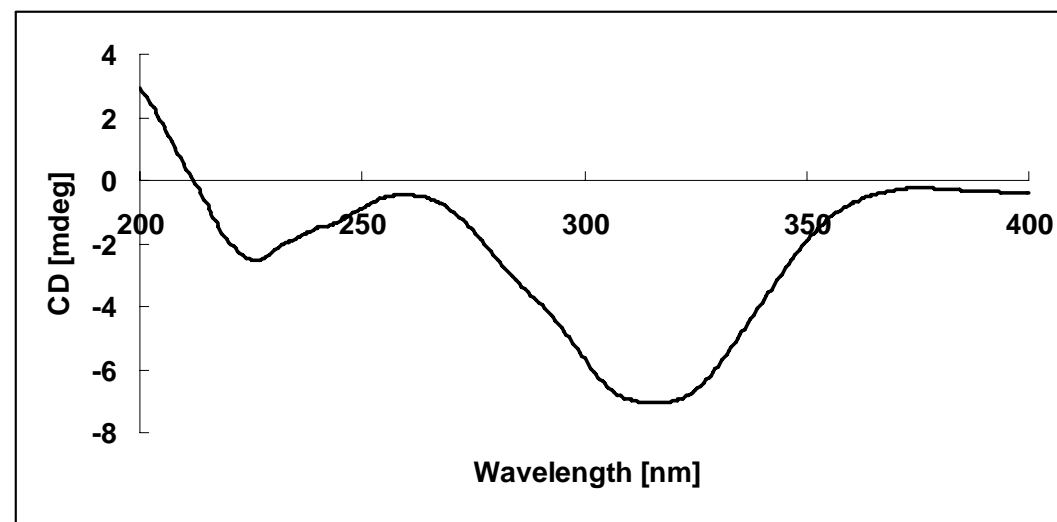




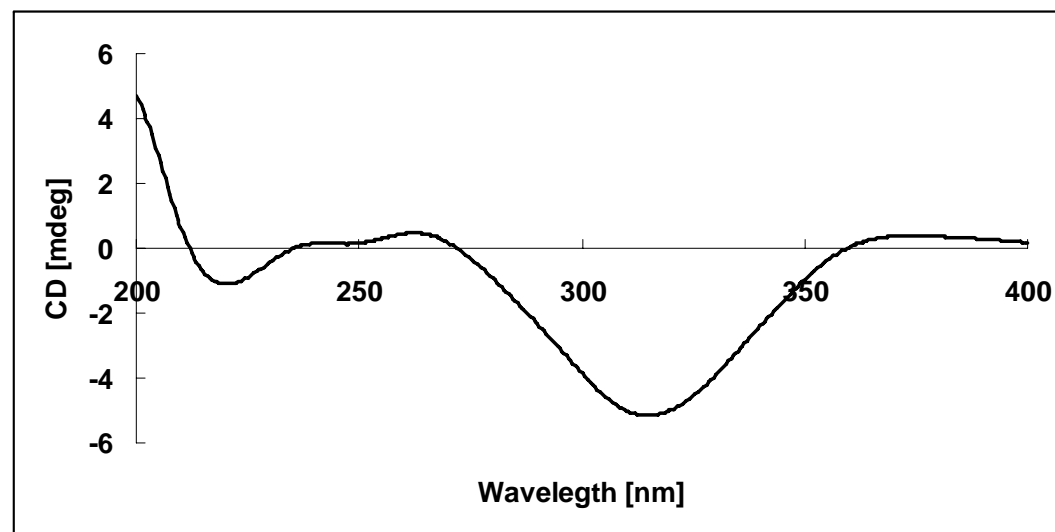
**Figure S15.** CD Spectrum of Pestalotic Acid A (**1**) in MeOH



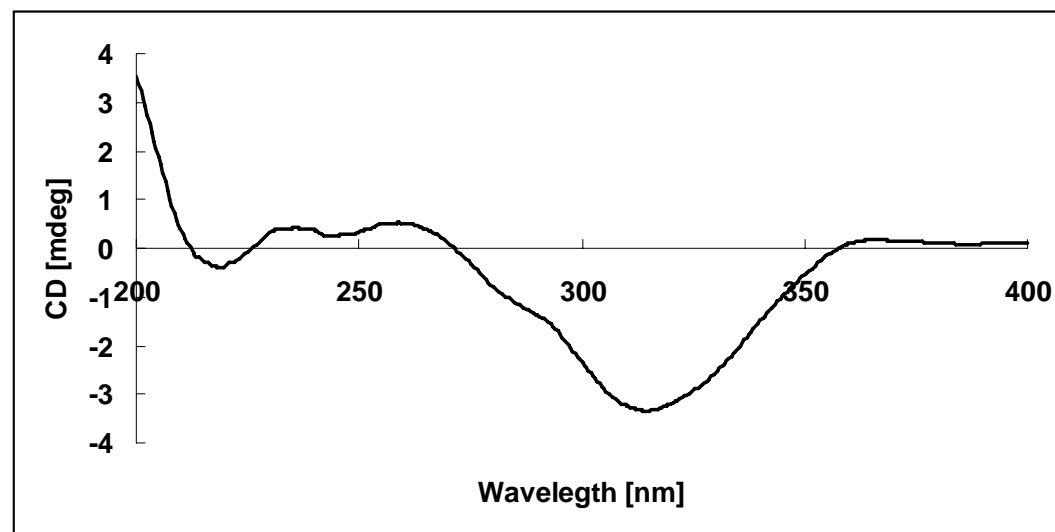
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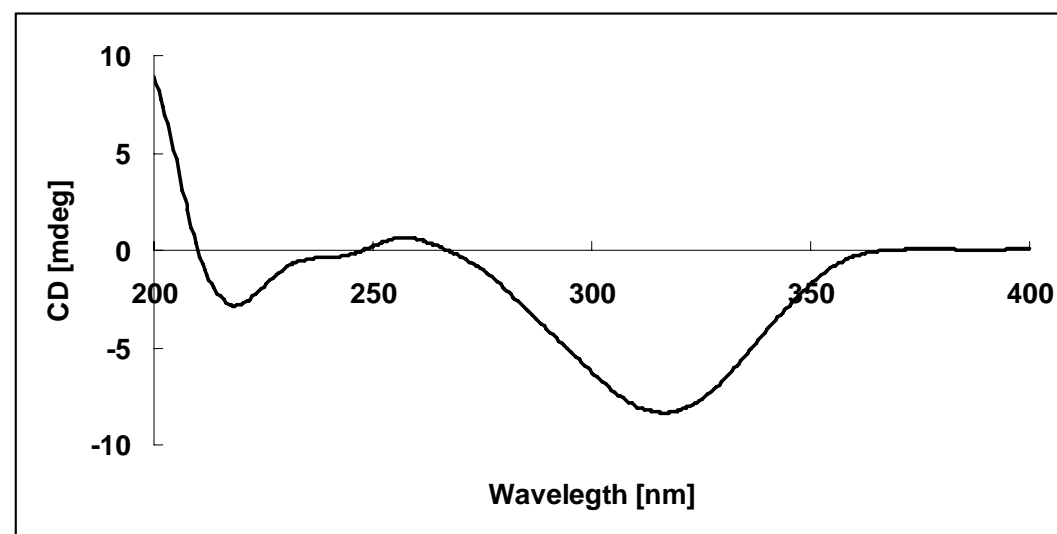
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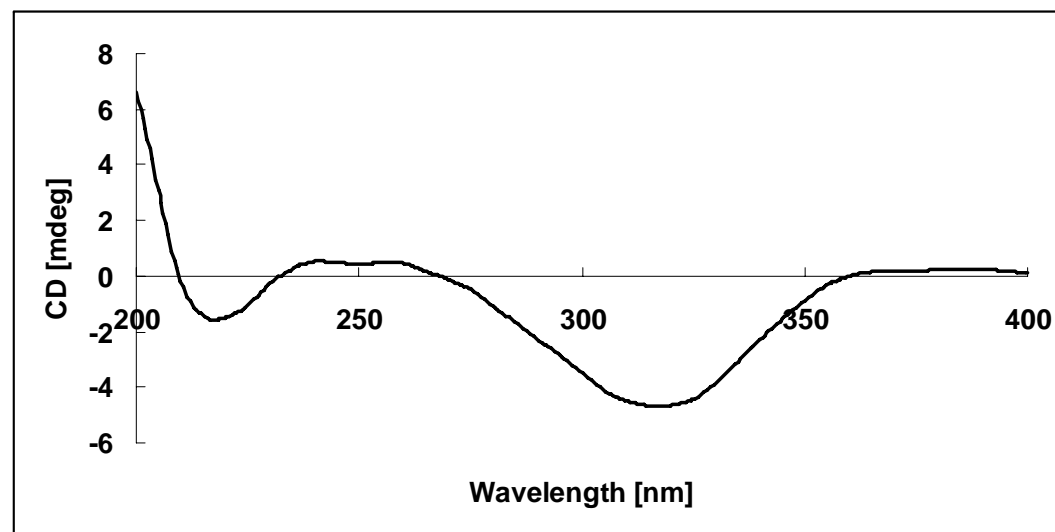
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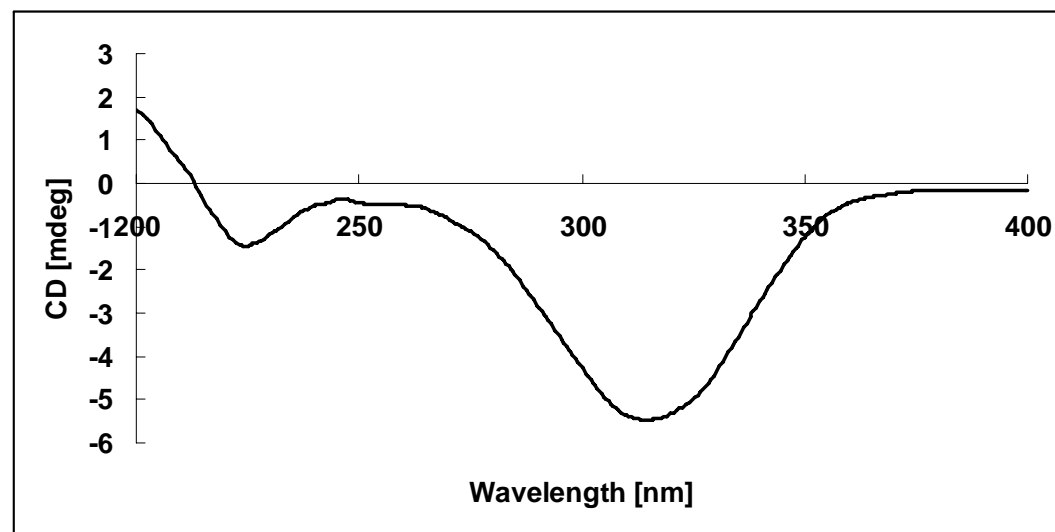
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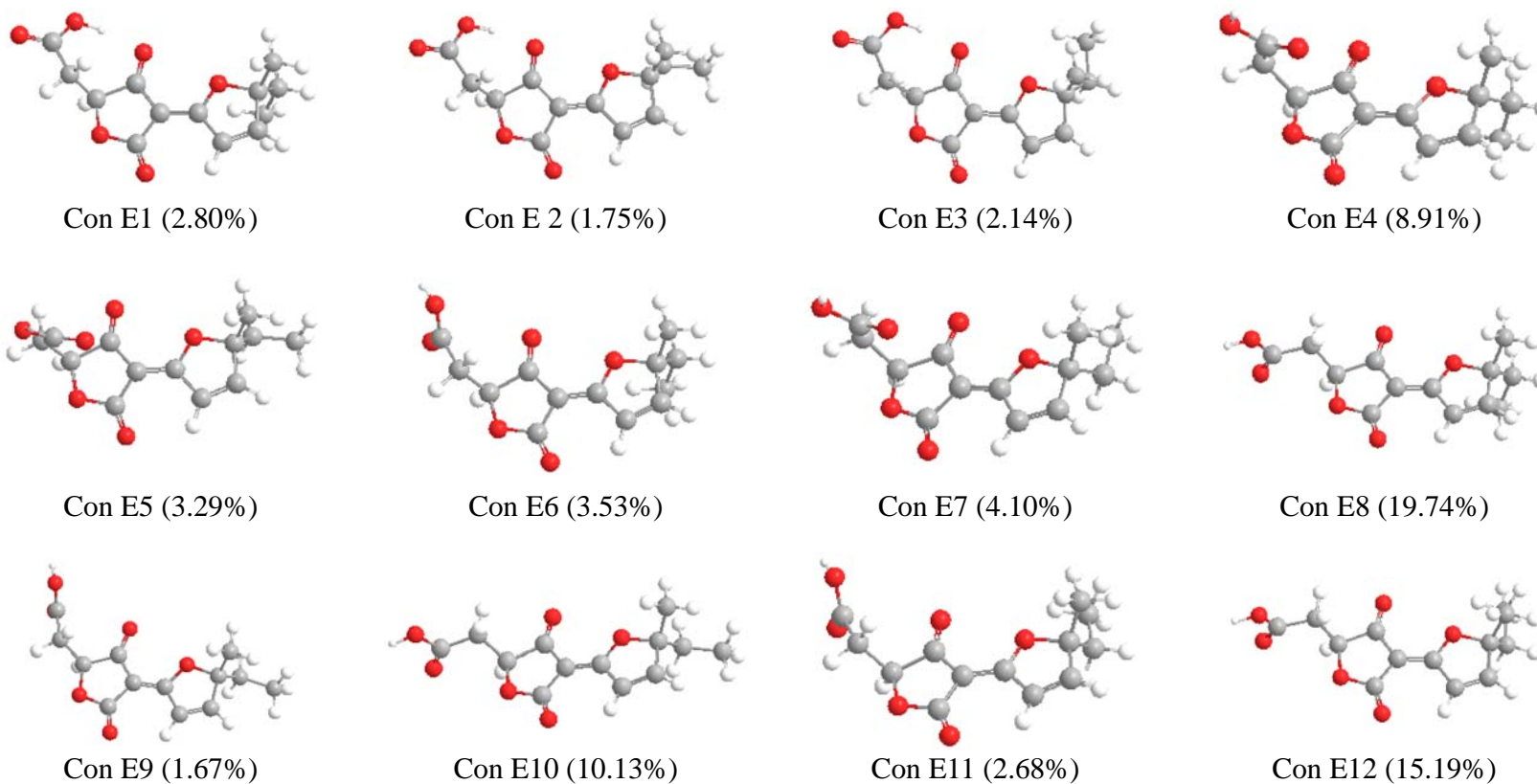
**Figure S20.** CD Spectrum of Pestalotic Acid F (**6**) in MeOH



**Figure S21.** CD Spectrum of Pestalotic Acid G (**7**) in MeOH

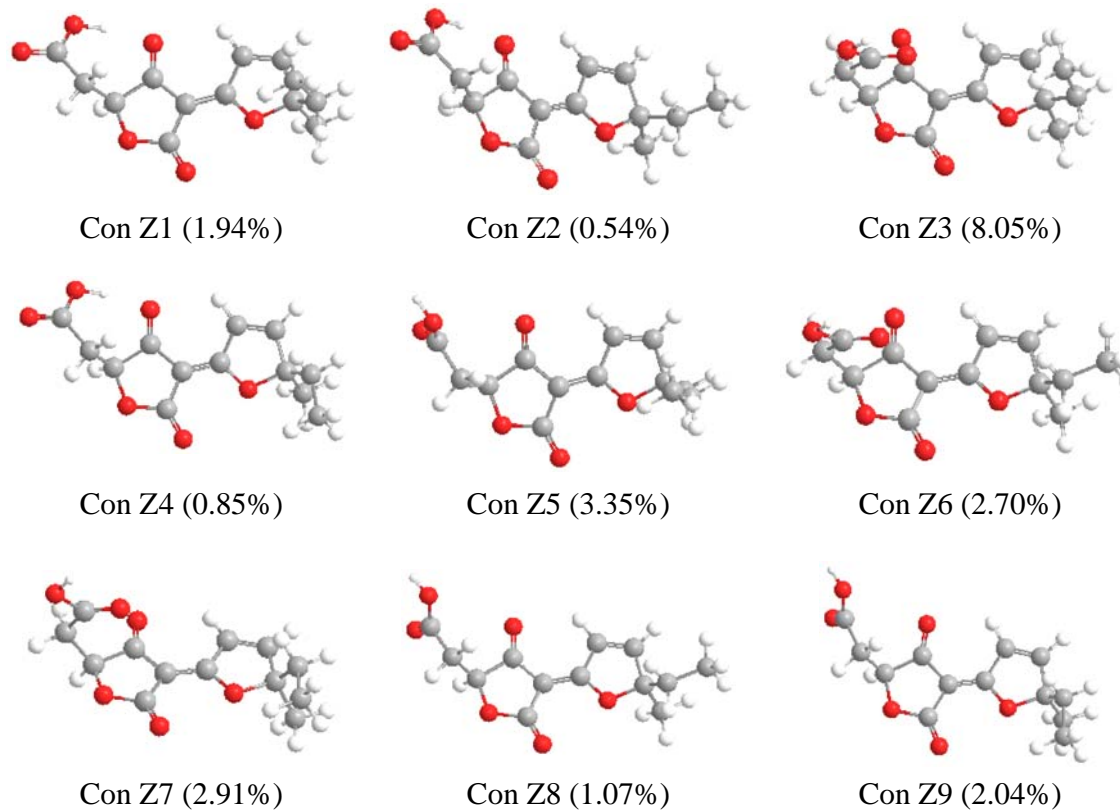


**Figure S22.** The Optimized Conformers for the *E*-isomers of **8a** and **8b**

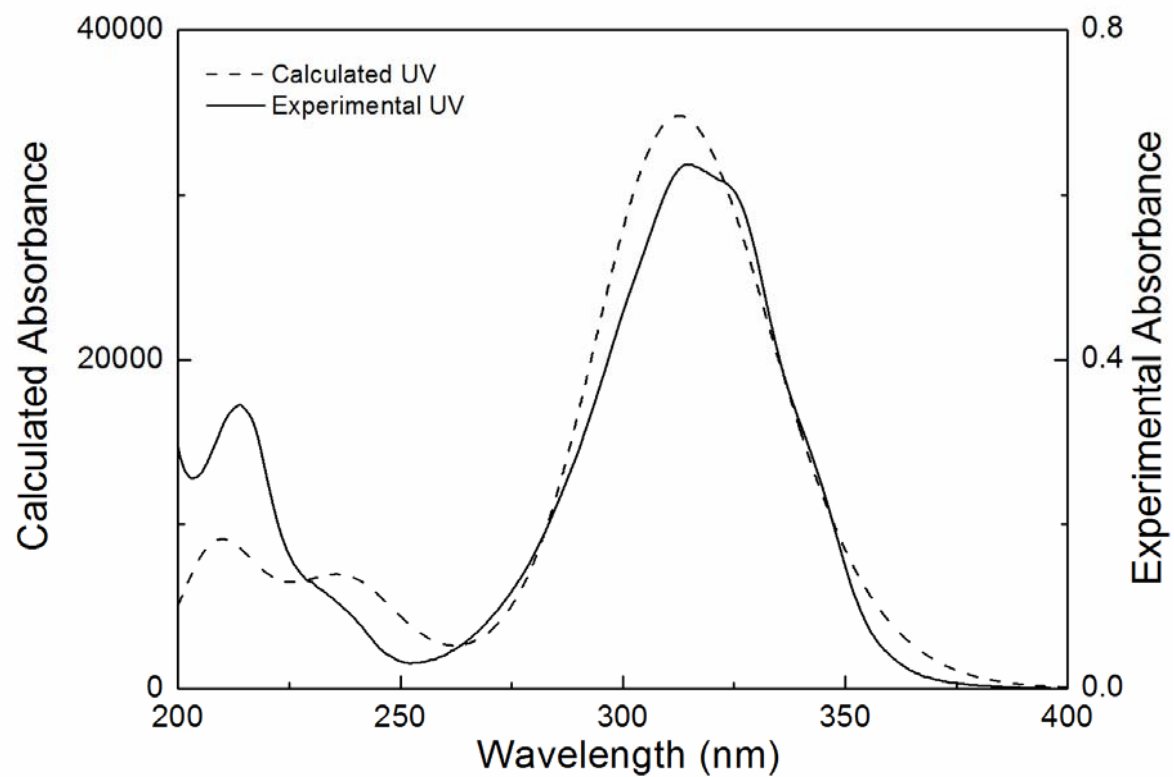




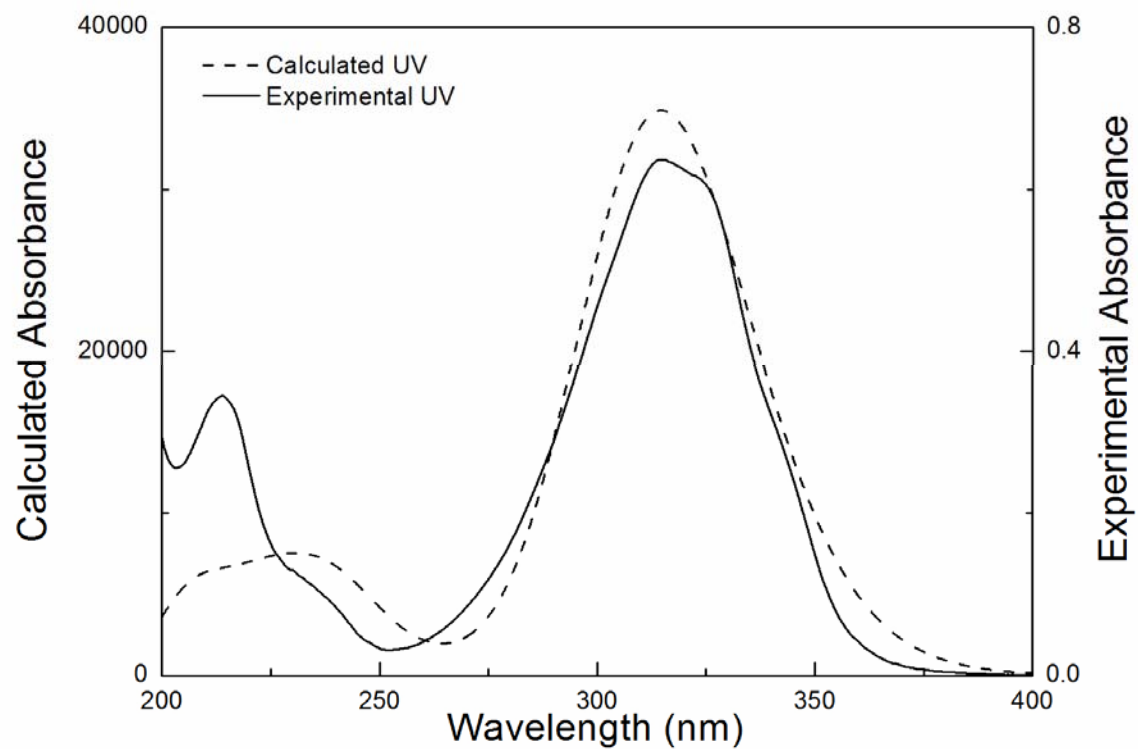
**Figure S23.** The Optimized Conformers for the *Z*-isomers of **8a** and **8b**



**Figure S24.** The Calculated UV Spectrum of the *E*-isomers of **8a** and **8b** and the Measured UV Spectrum of **1**



**Figure S25.** The Calculated UV Spectrum of the *Z*-isomers of **8a** and **8b** and the Measured UV Spectrum of **1**



**Figure S26.** The Calculated UV Spectrum of **8a** and **8b** and the Measured UV Spectrum of **1**

