

## Supporting Information

### **Oridonin Ring A-Based Diverse Constructions of Enone Functionality: Identification of Dienone Analogues Effective for Highly Aggressive Breast Cancer by Inducing Apoptosis**

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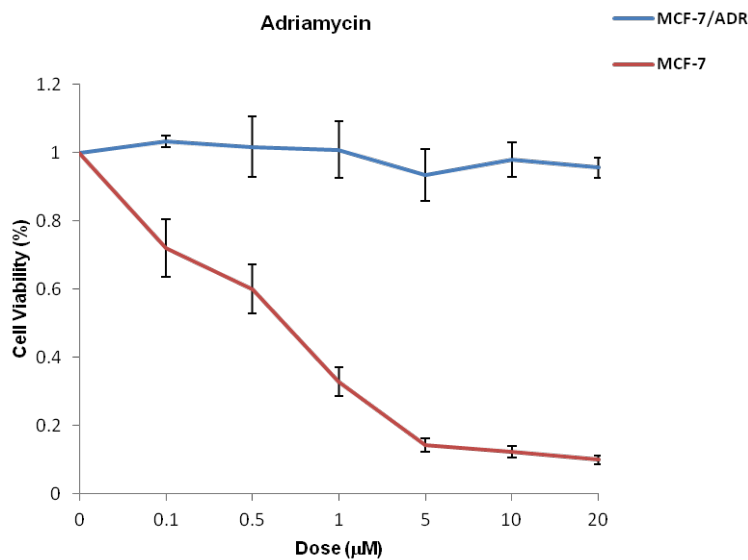
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**Figure 1S.** Growth inhibitory effects of adriamycin on MCF-7 and MCF-7/ADR cells ---- **S2**

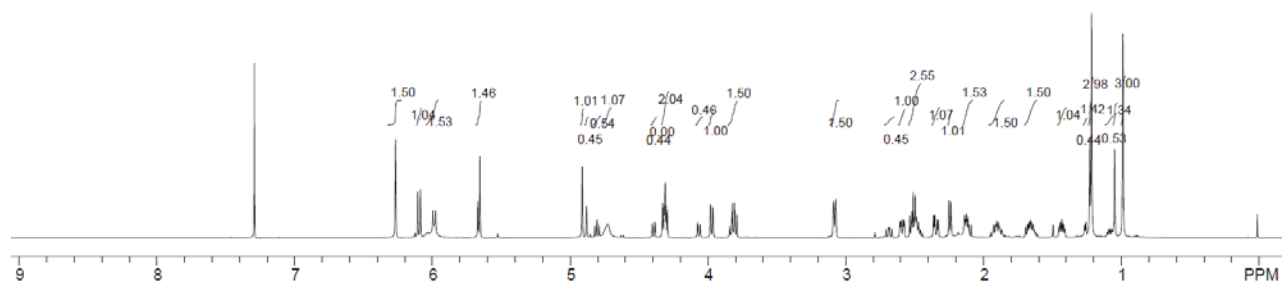
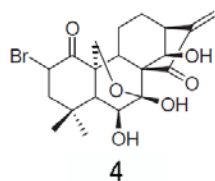
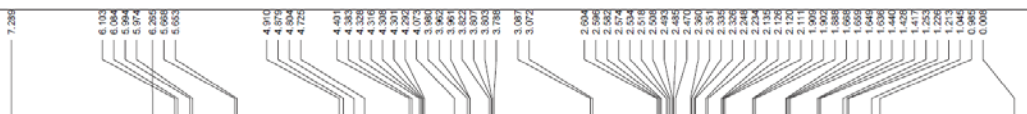
**Copies of NMR data** ----- **S3-29**



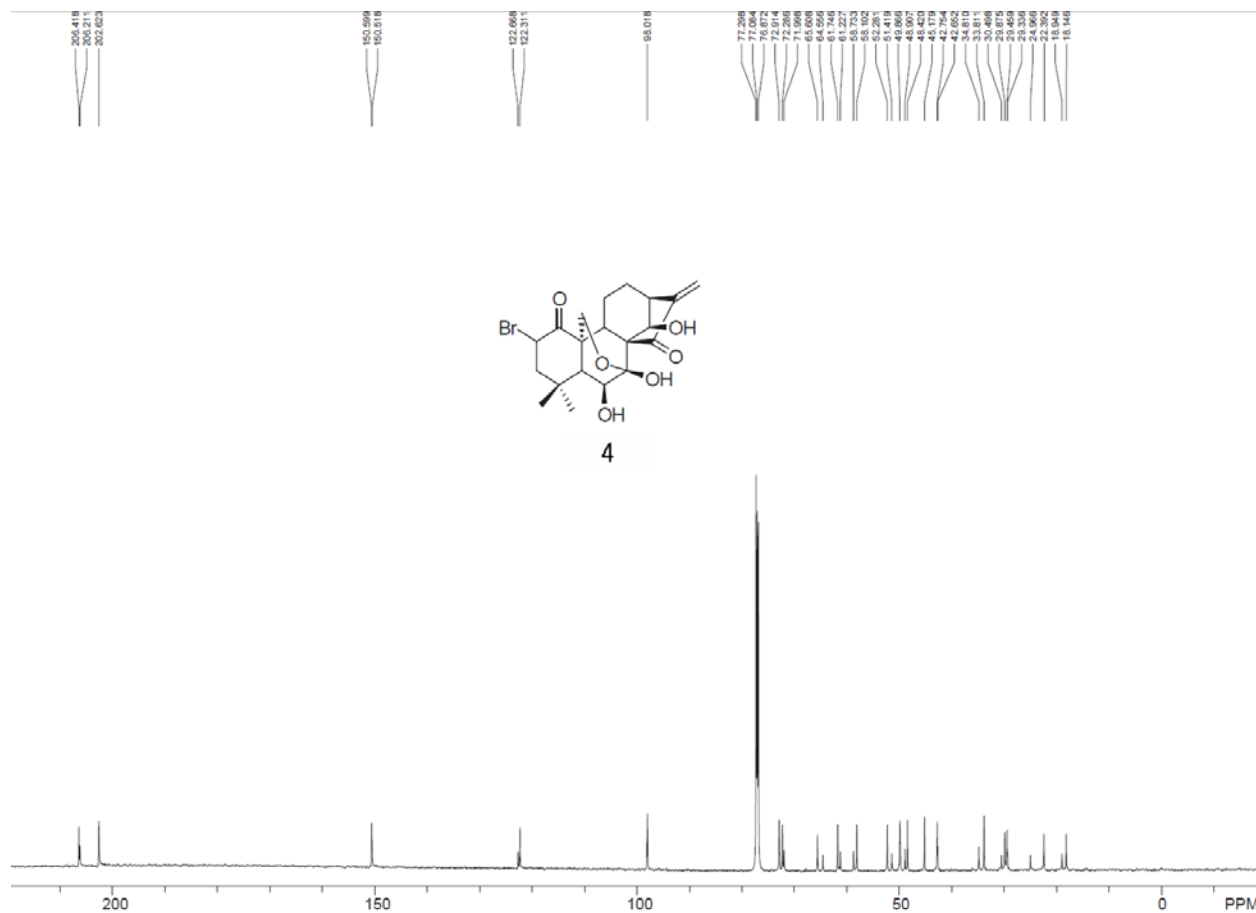
**Figure 1S.** Growth inhibitory effects of adriamycin on MCF-7 and MCF-7/ADR cells. These cells were treated with varying concentrations of adriamycin for 48 h. Values are mean  $\pm$  SE of three independent experiments. Statistical significance was determined using Student's t-test.

**Maintenance of MCF-7/ADR resistant cells.** MCF-7/ADR cells were obtained from Michael Zhu (University of Texas Houston Health Science Center, Houston, TX 77030). The resistance was maintained by exposure of cells to 10  $\mu$ M of adriamycin for 48 h every 8 weeks. As shown in Figure 1S, adriamycin dose-dependently suppressed the growth of MCF-7 cells at the concentrations from 0.1  $\mu$ M to 20  $\mu$ M; on the contrary, it displayed no growth inhibitory activity against MCF-7/ADR cells at the same concentrations. These results demonstrated that MCF-7/ADR cells for assays are adriamycin-resistant.

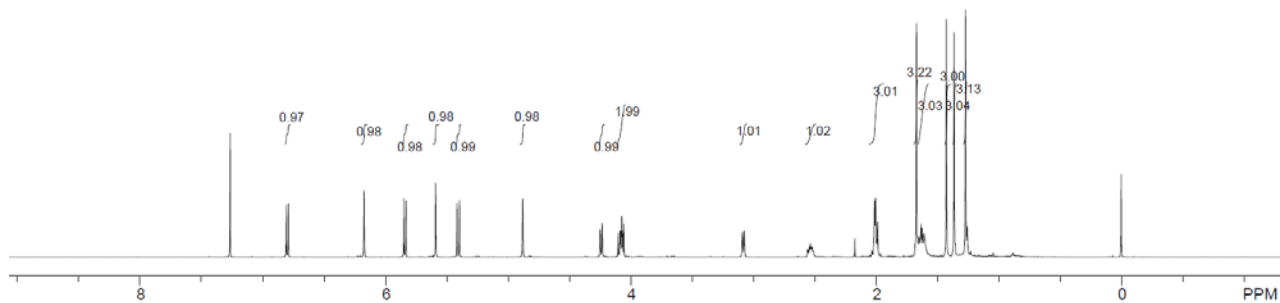
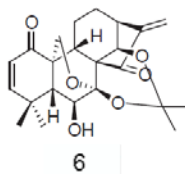
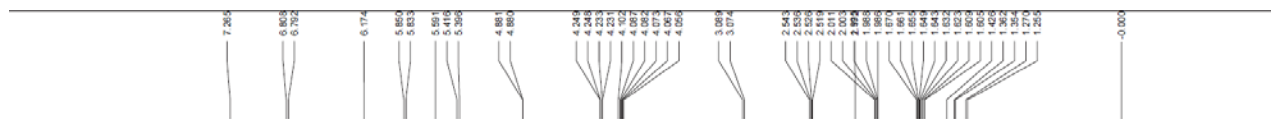
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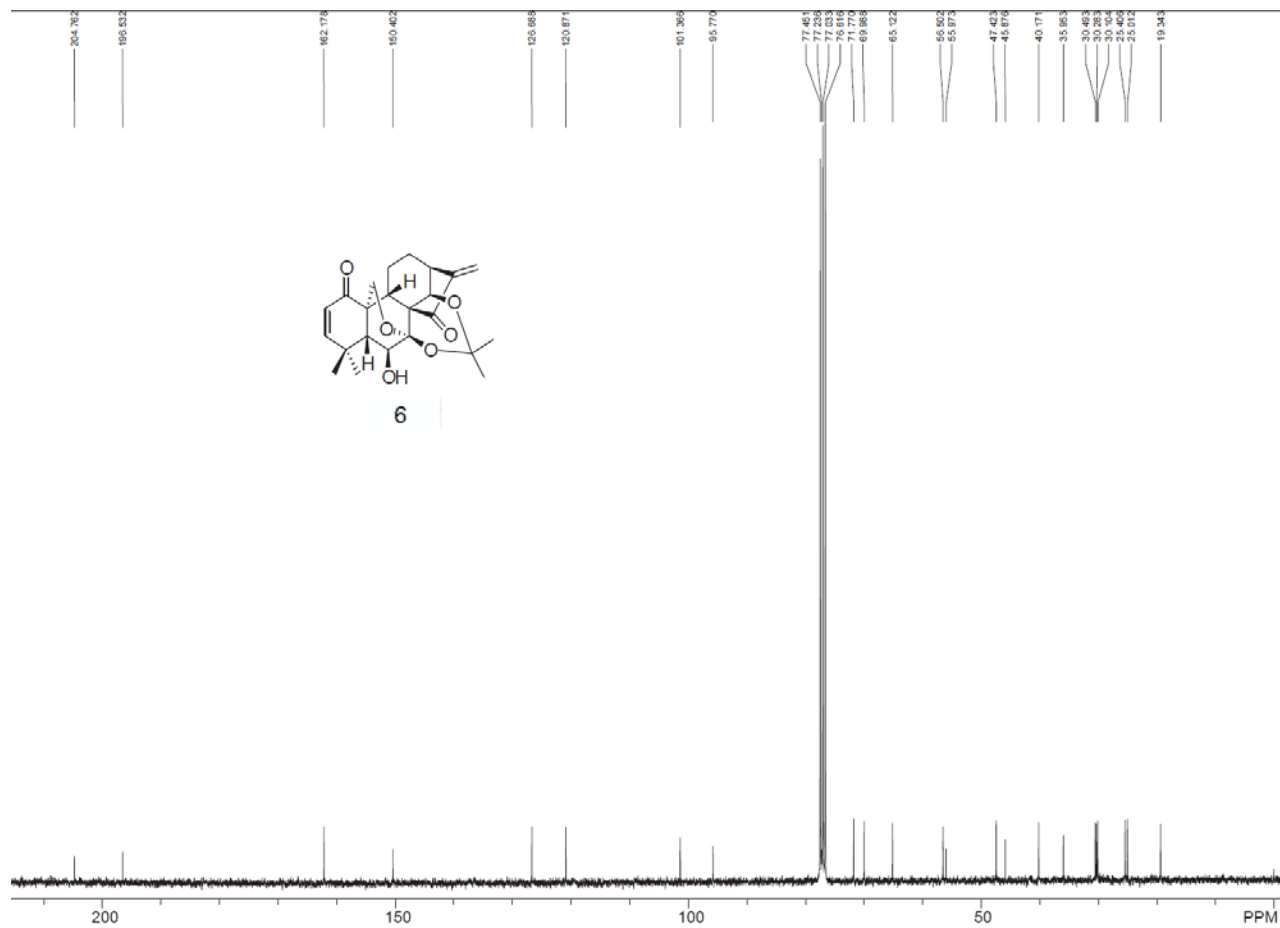
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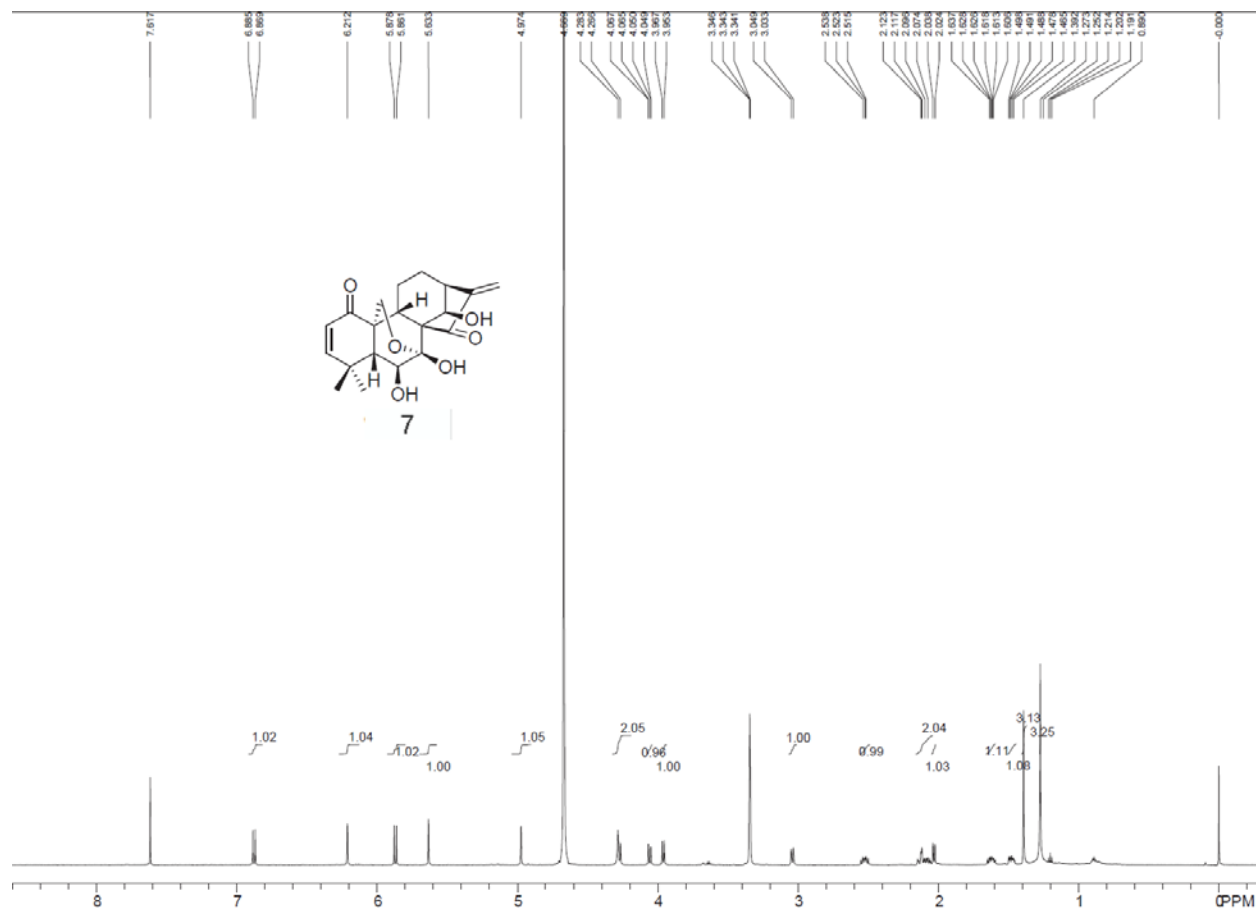
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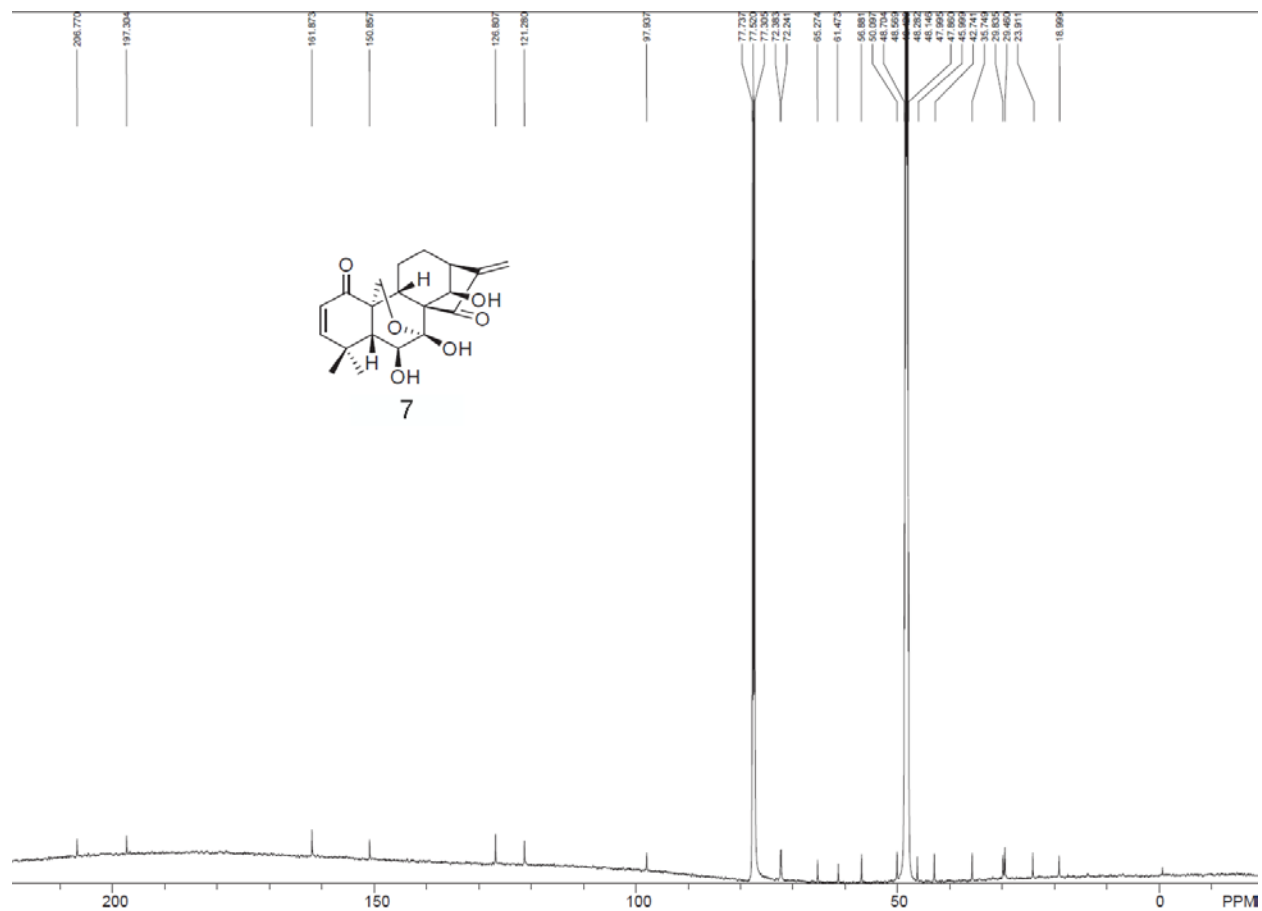
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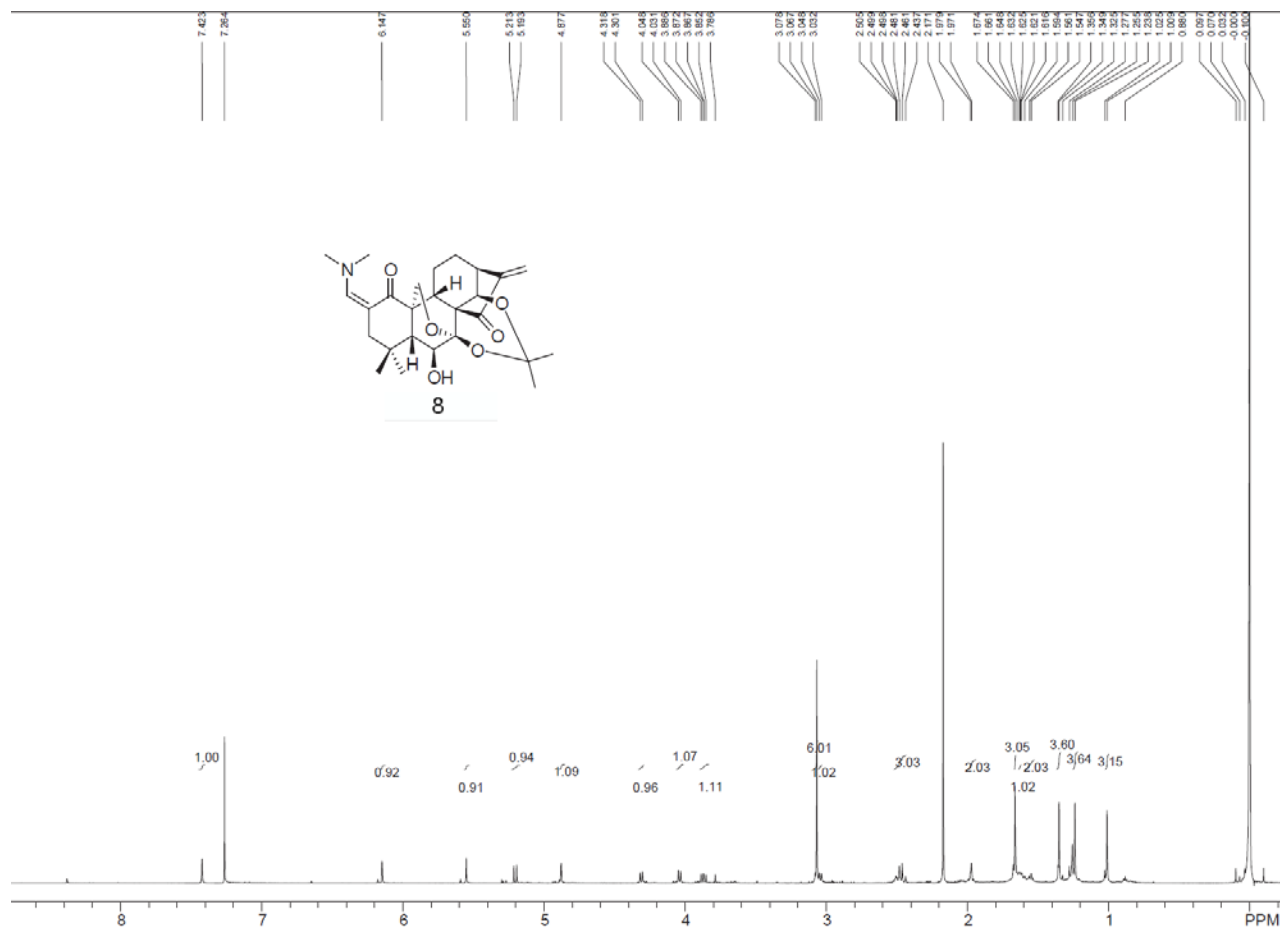


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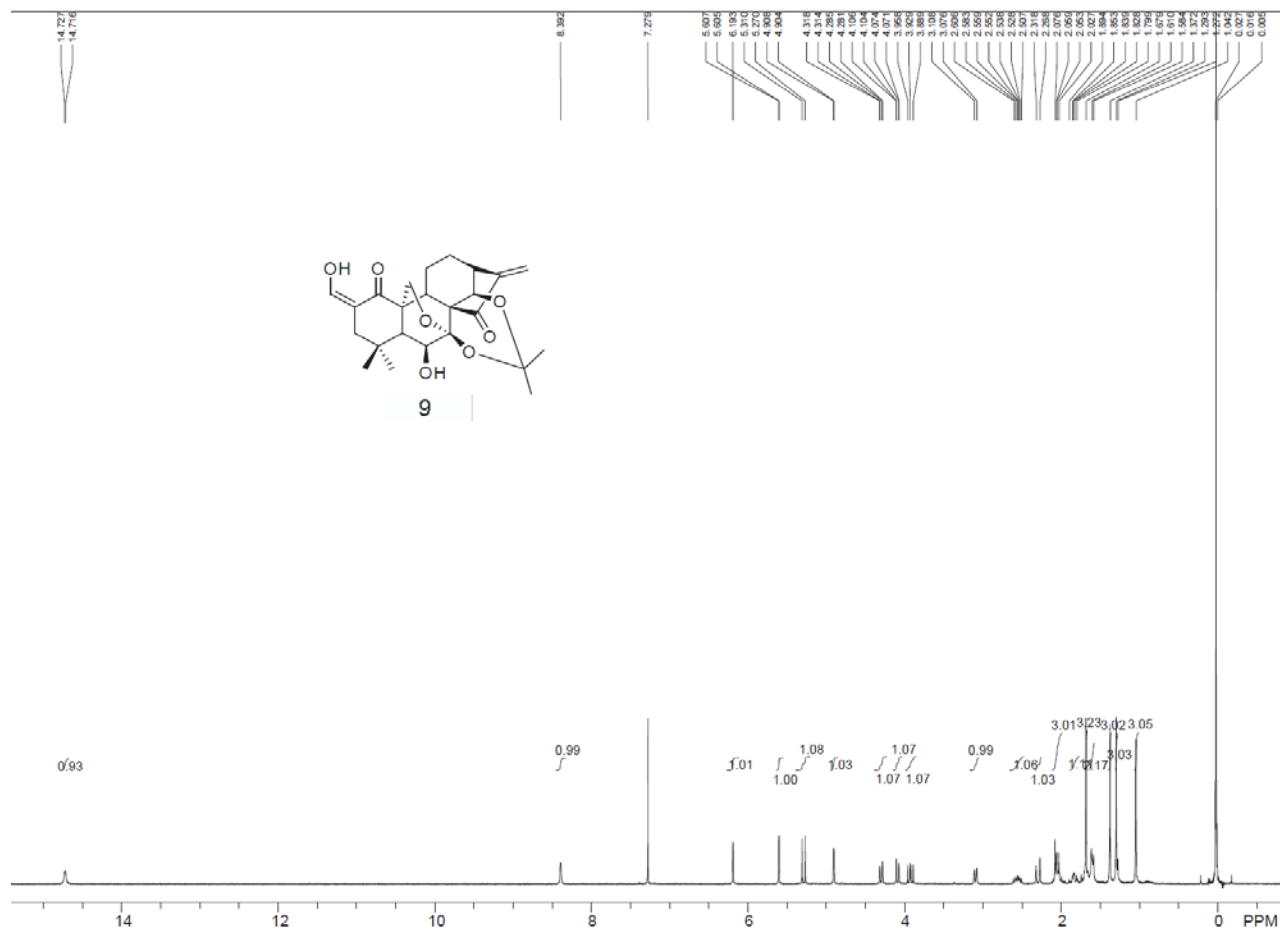


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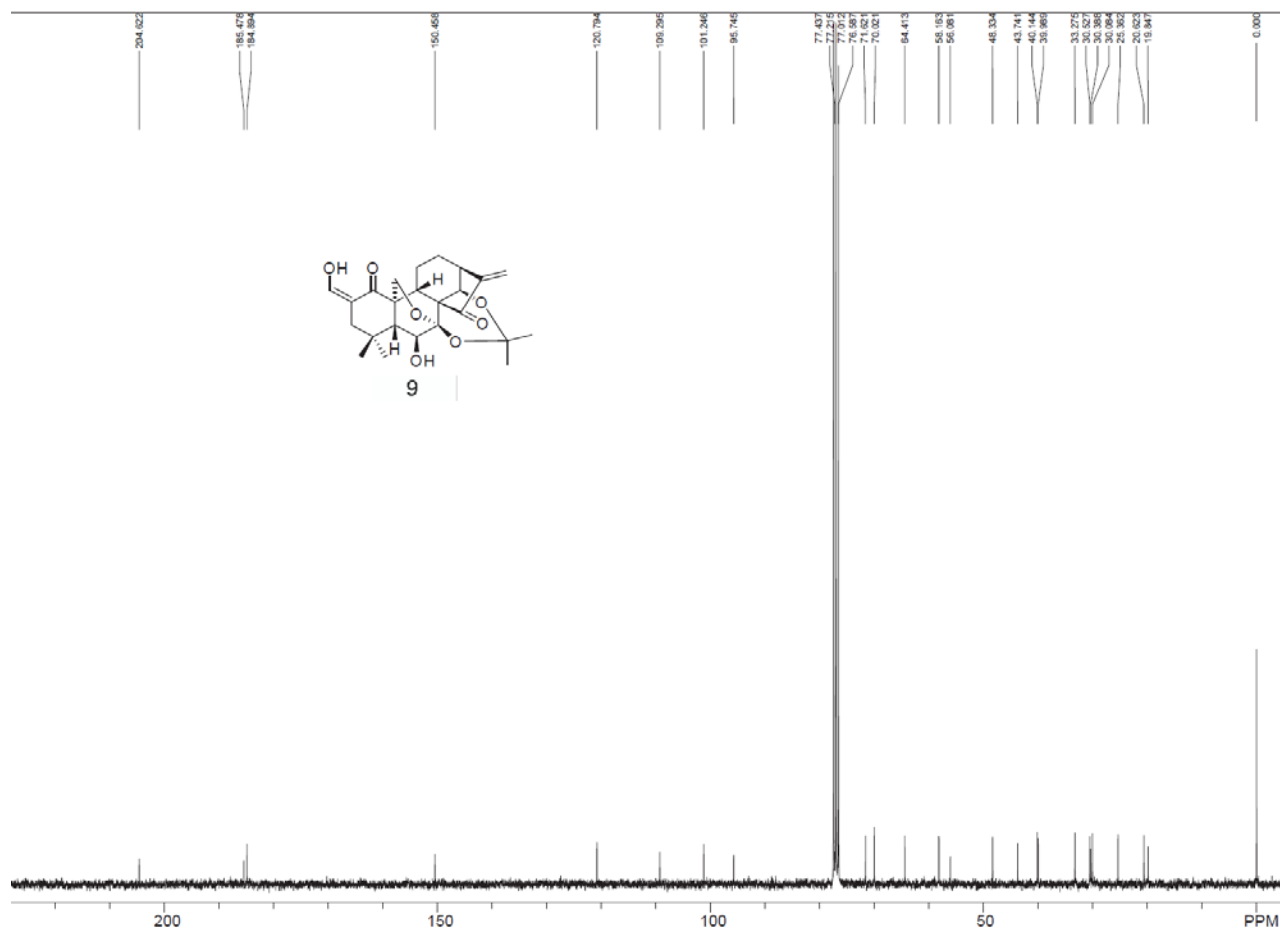




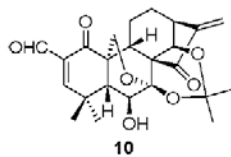
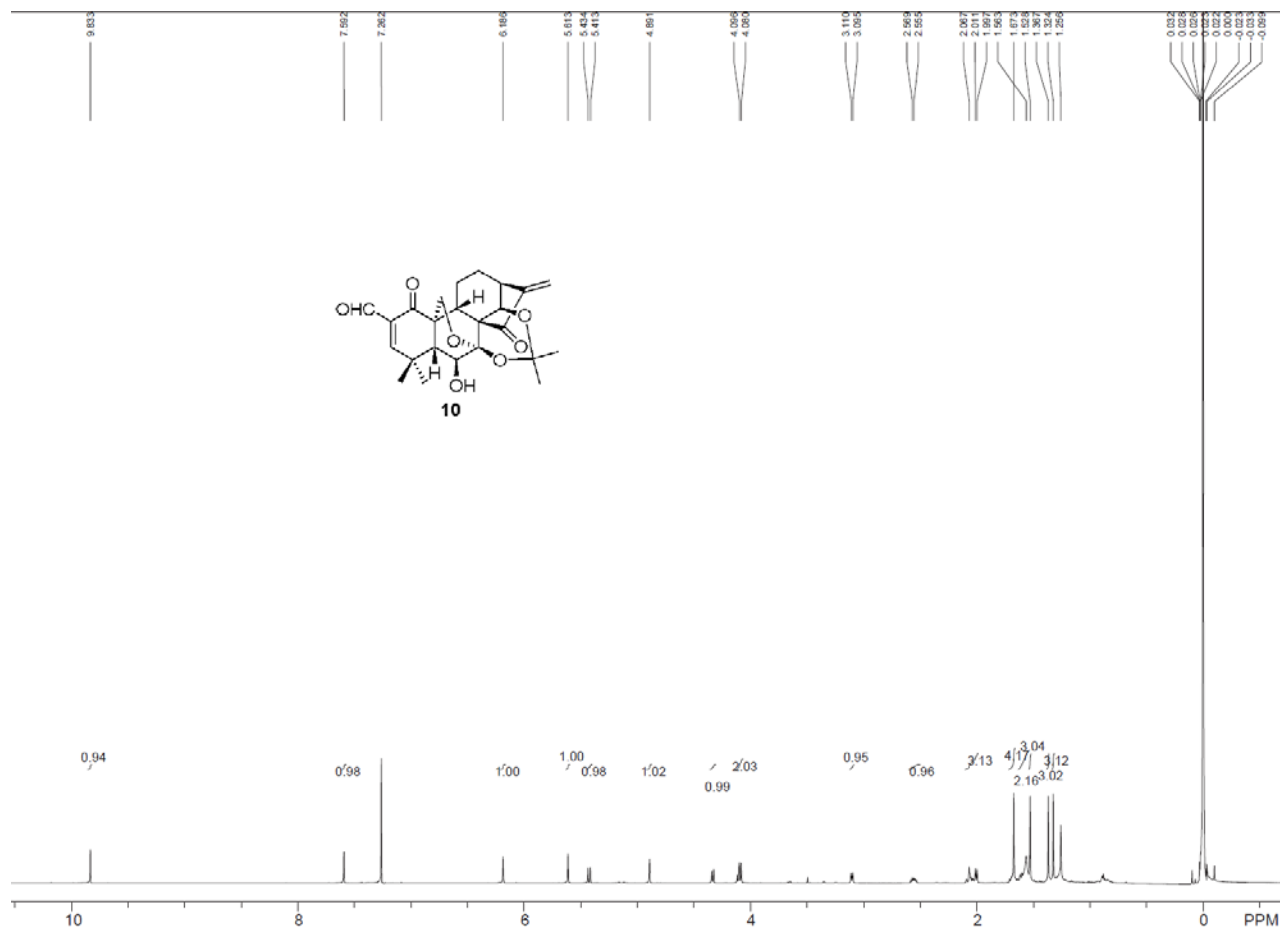
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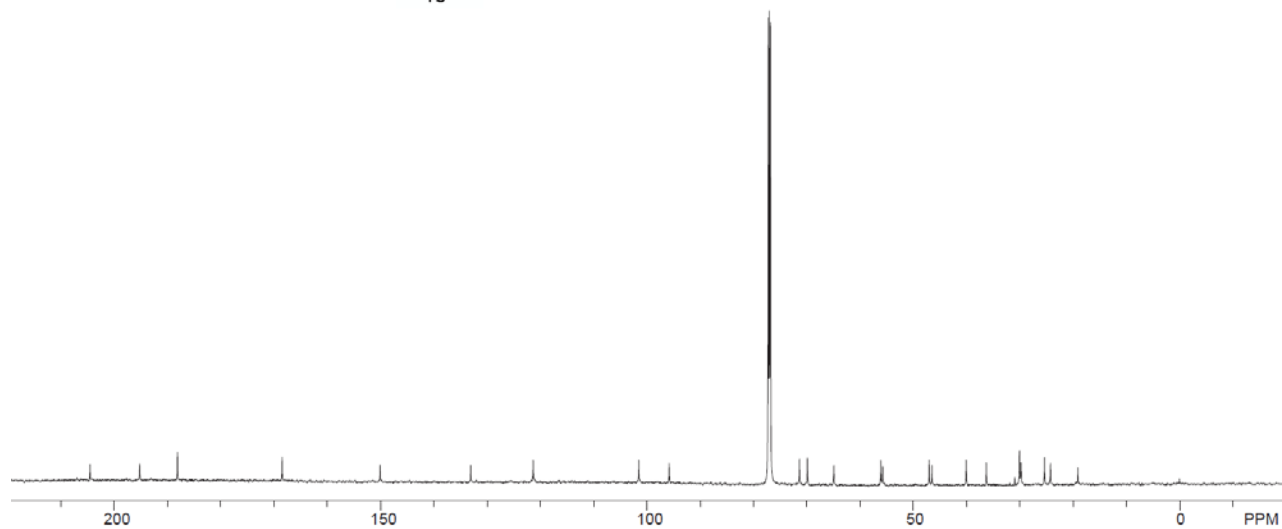
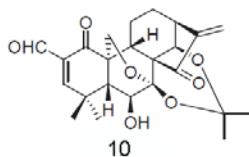
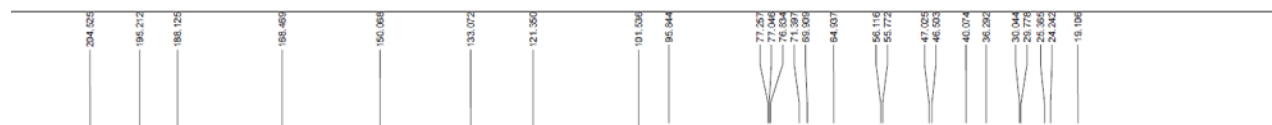
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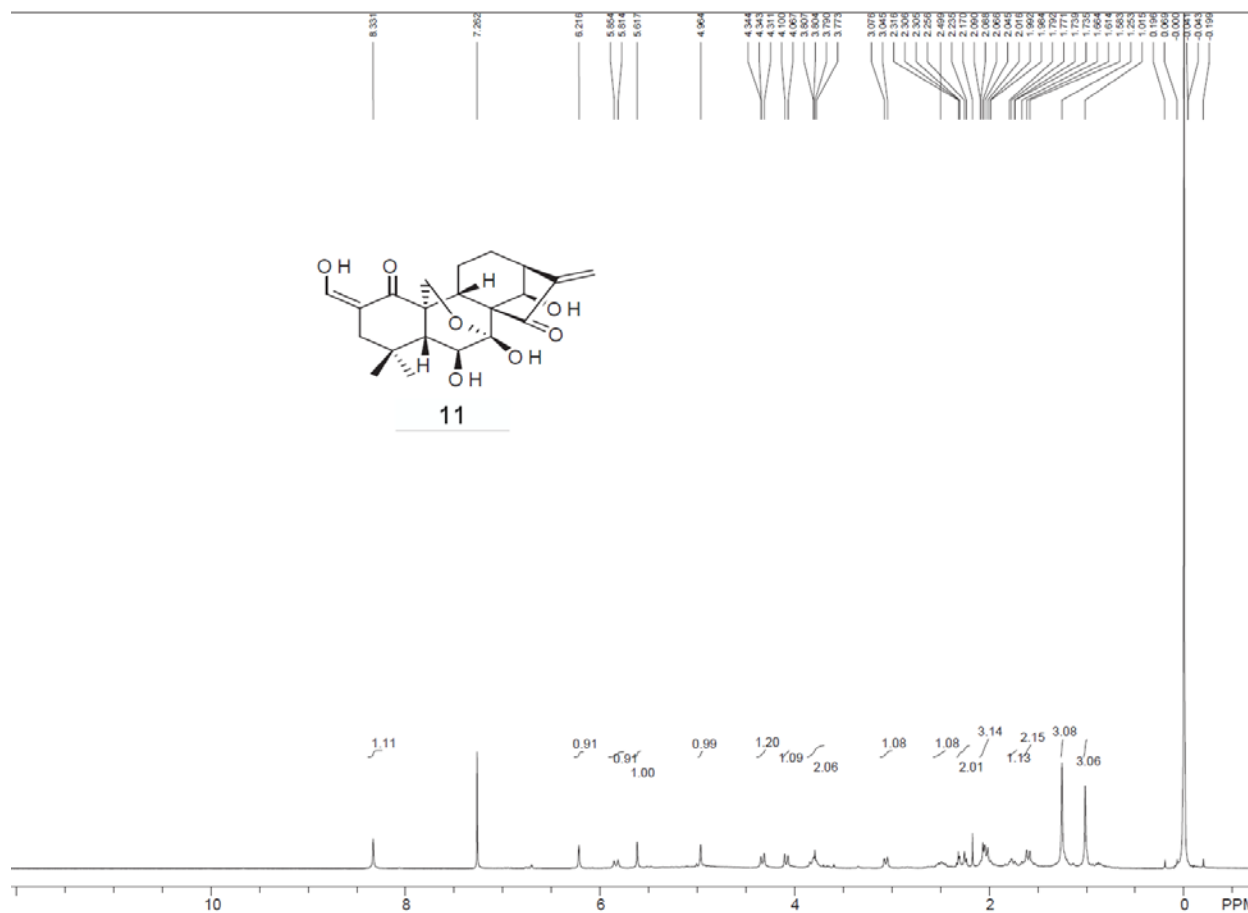
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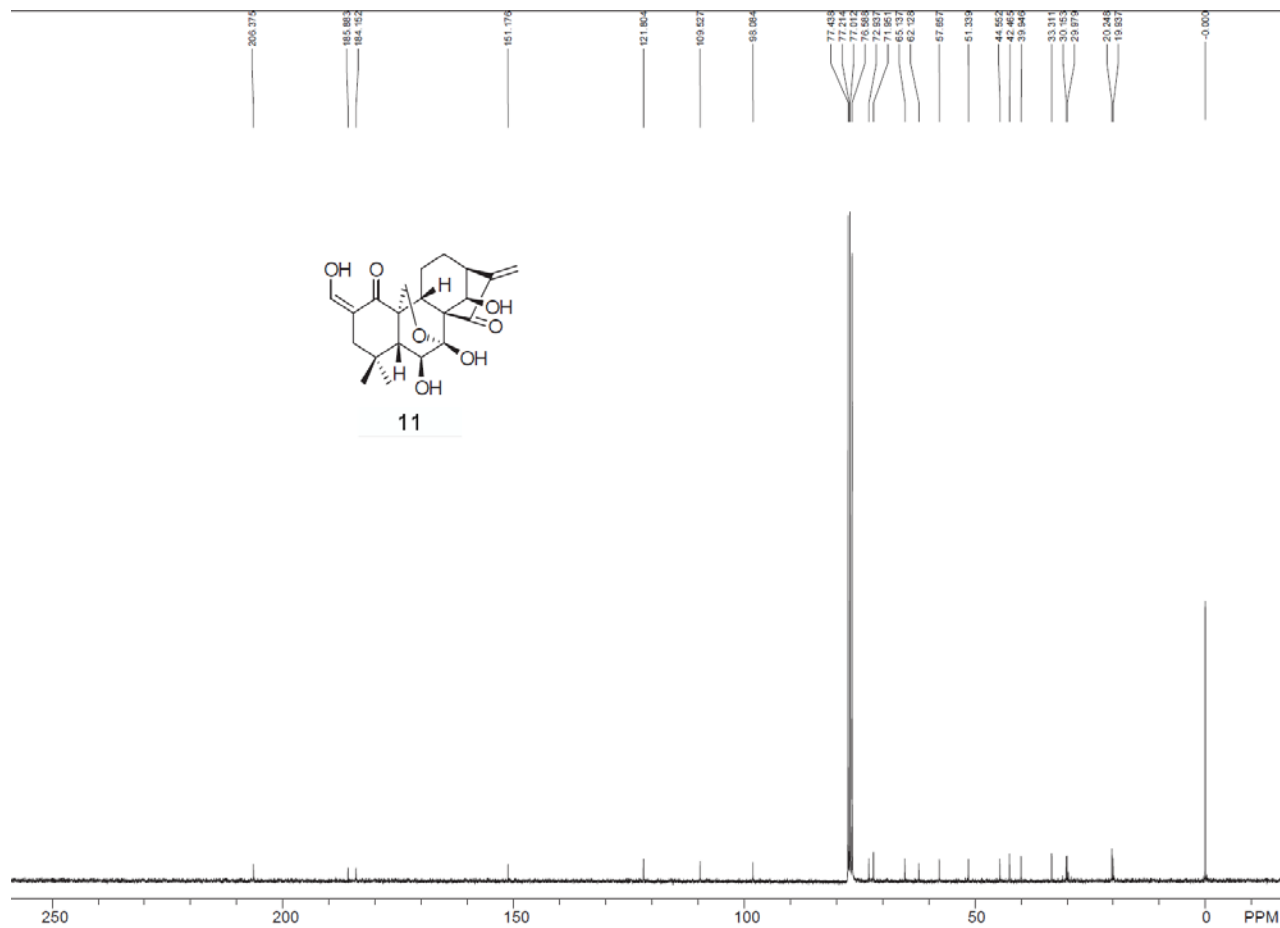
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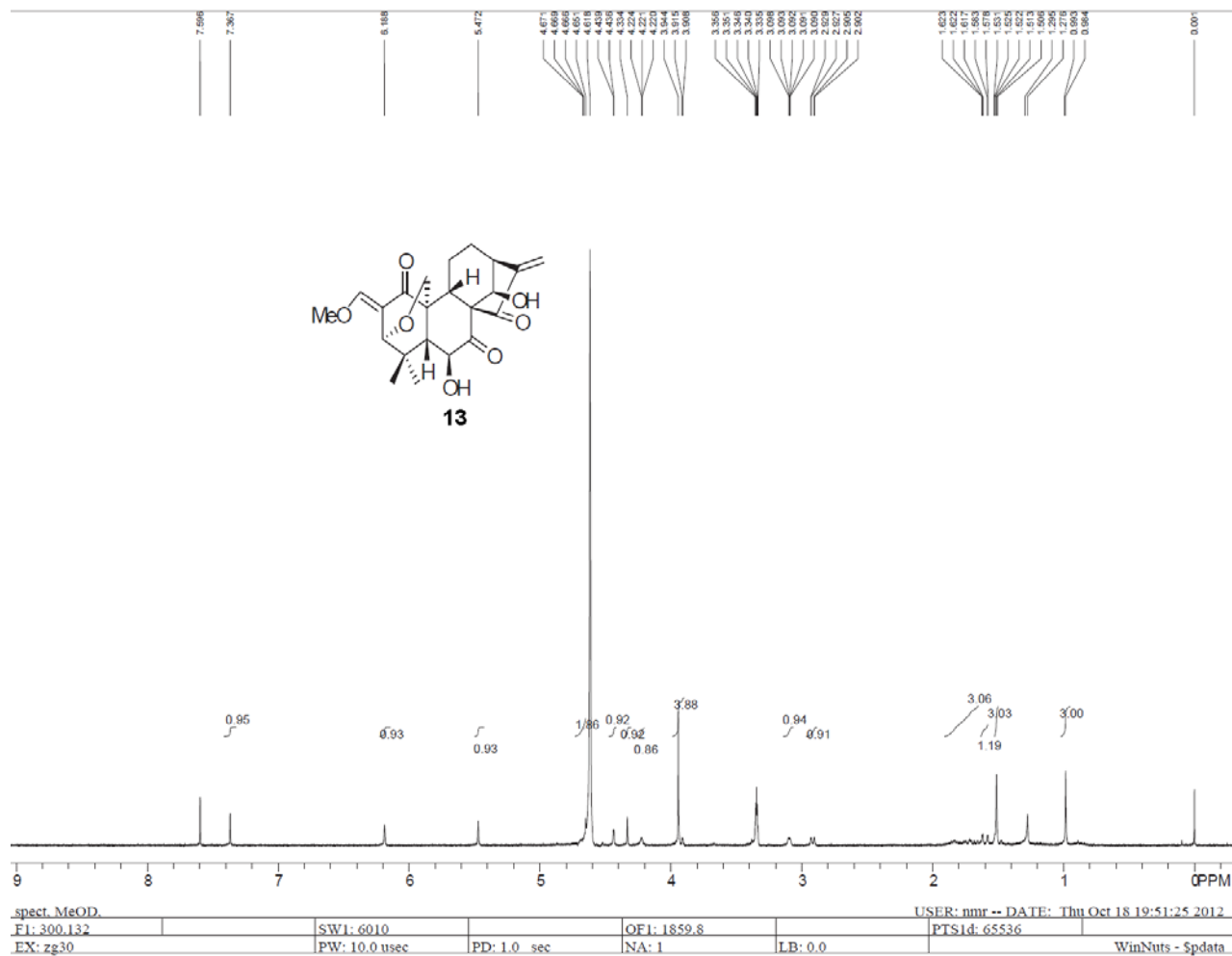
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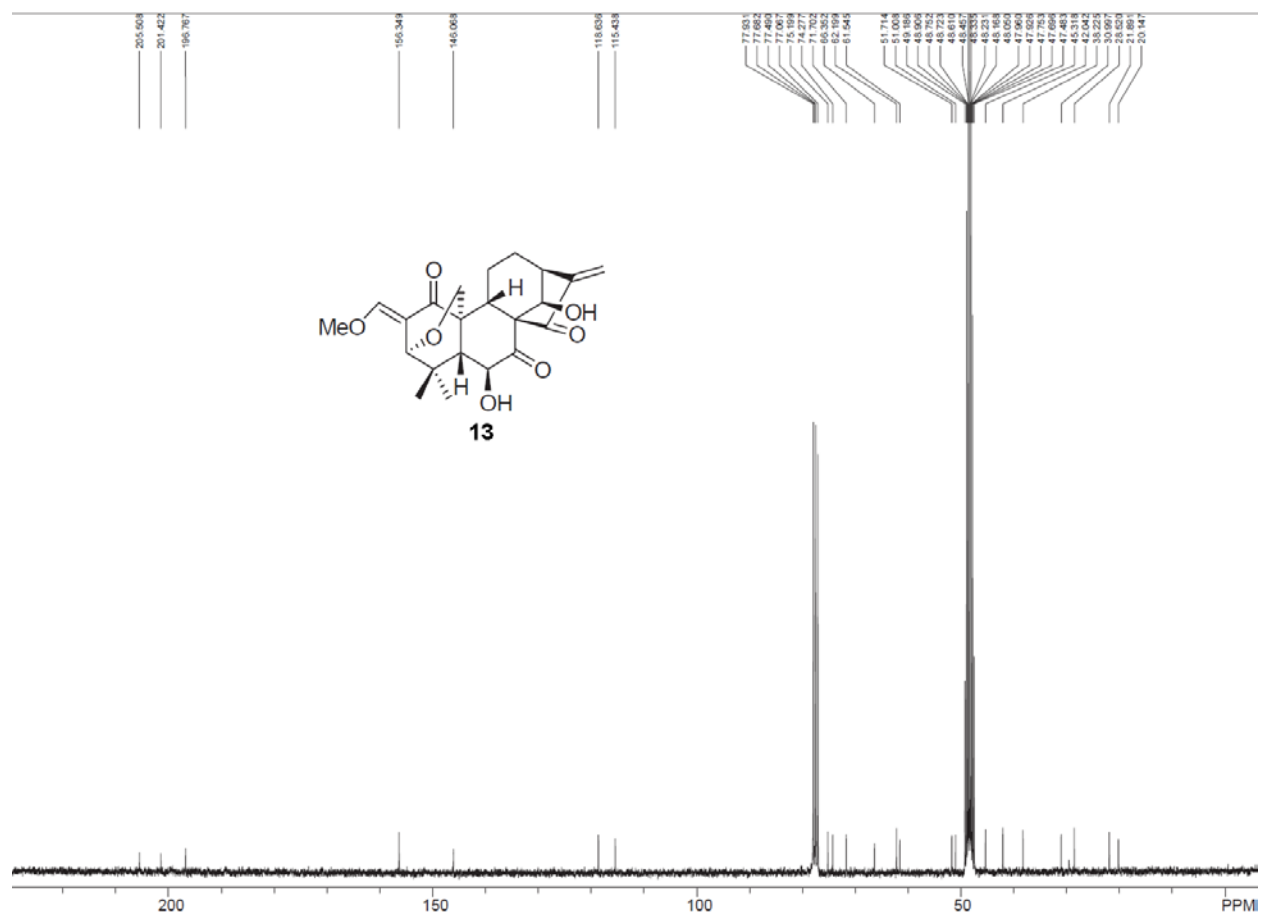
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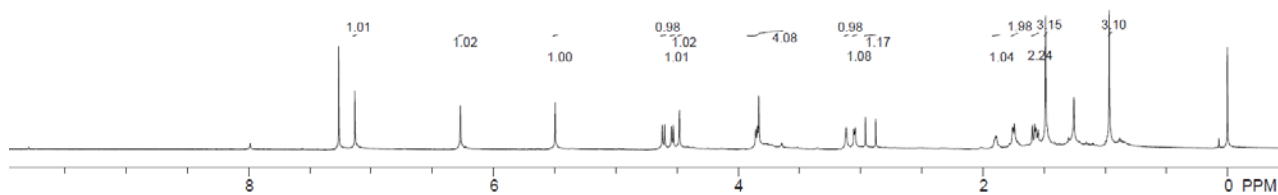
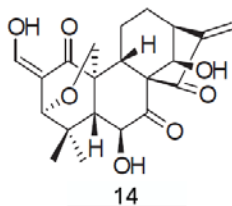
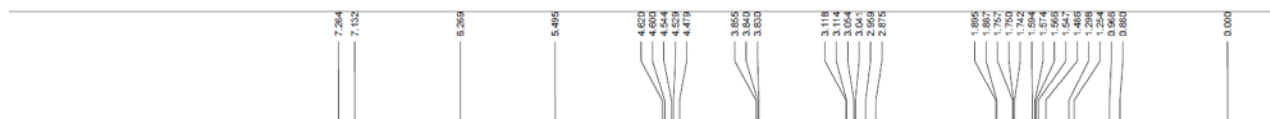
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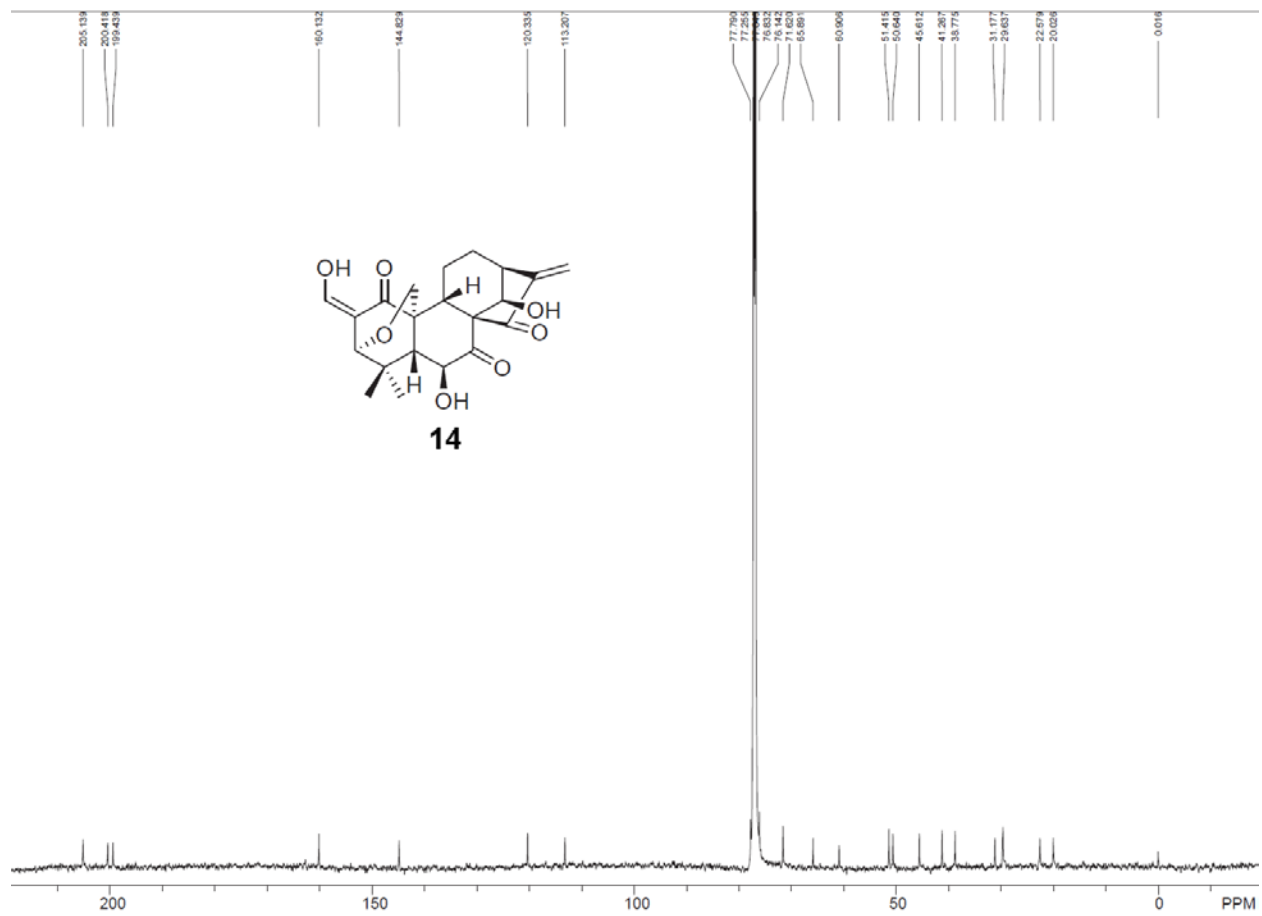




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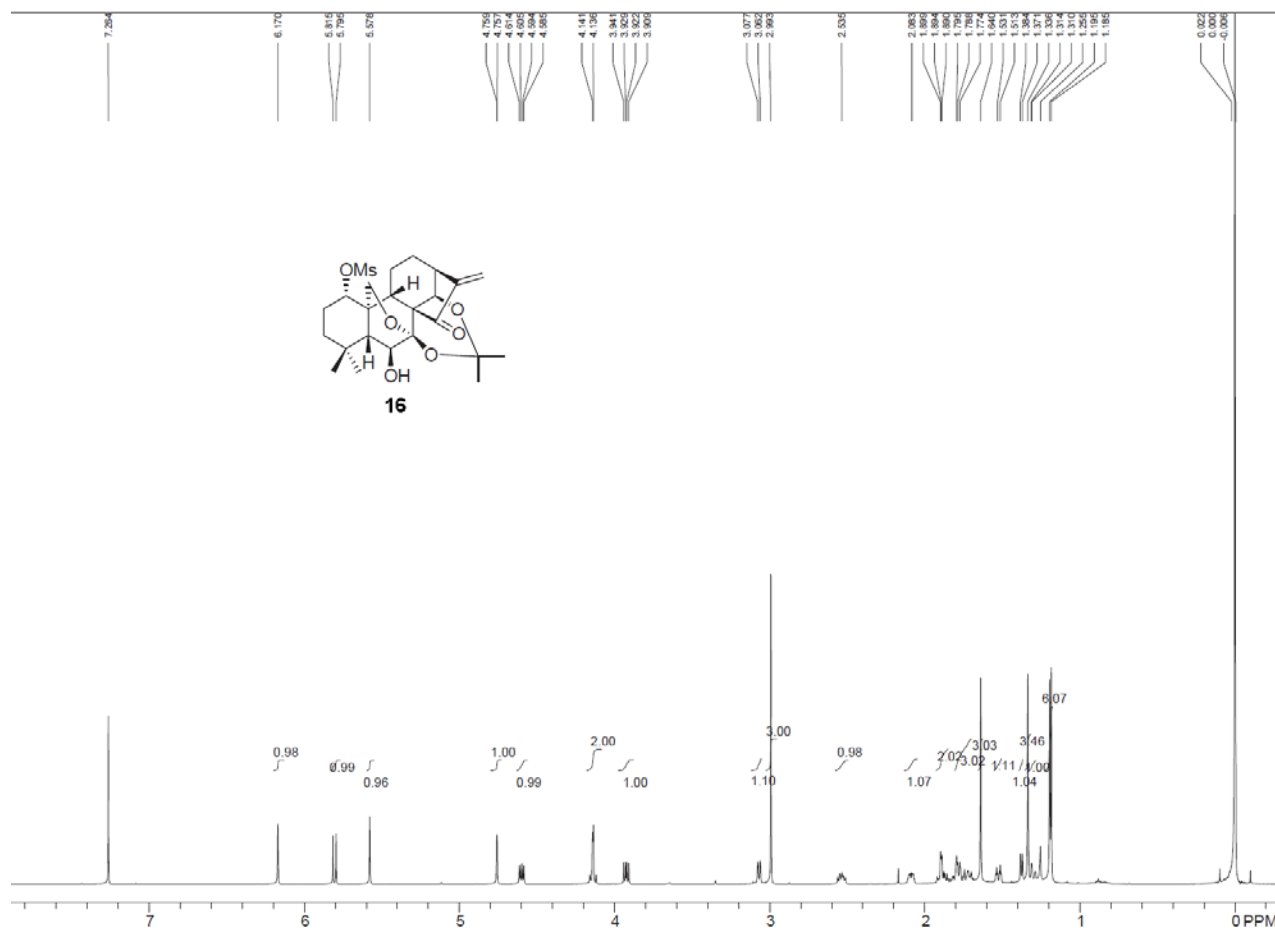
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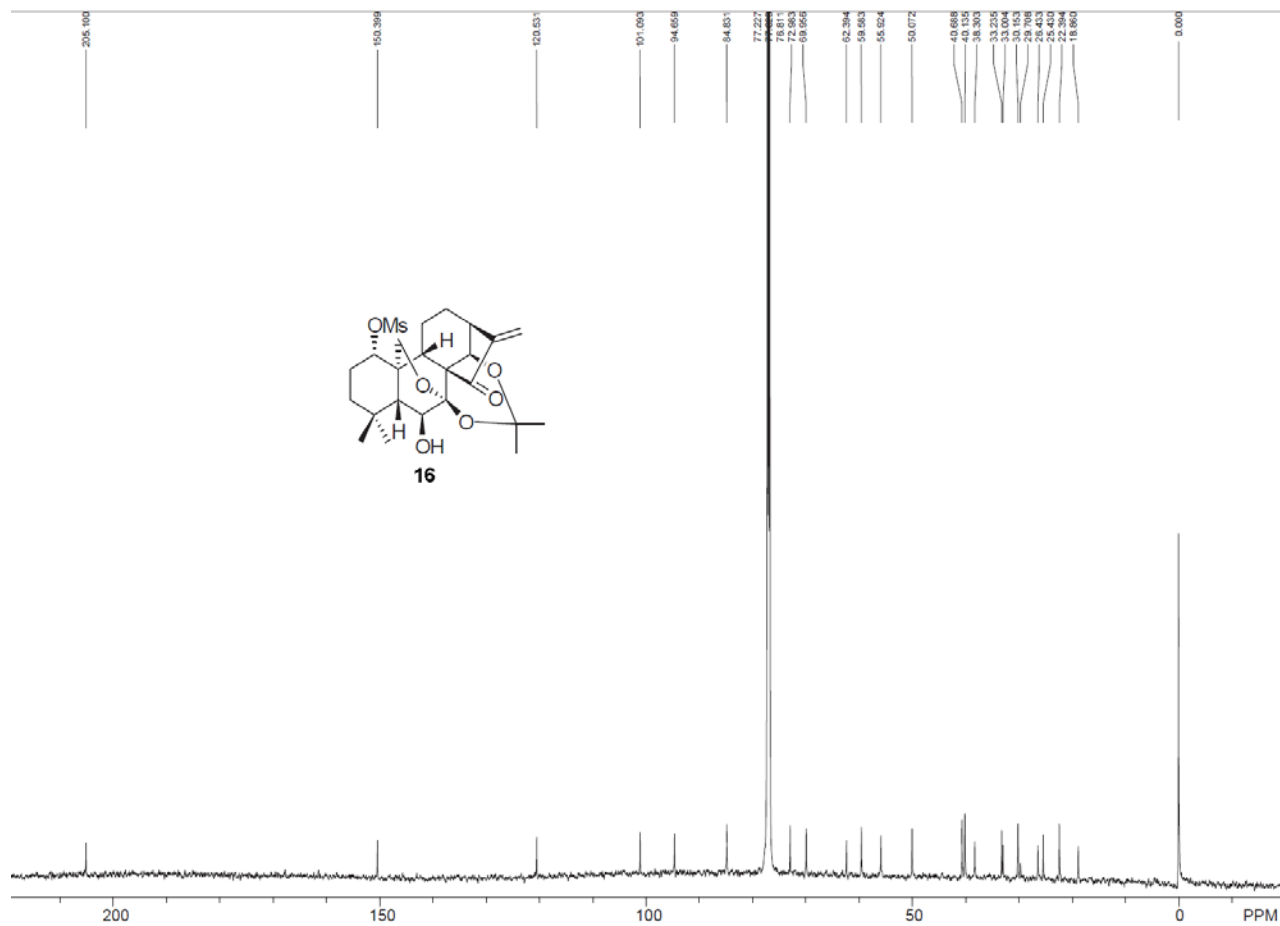
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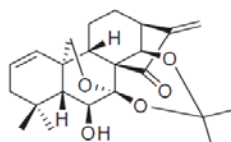
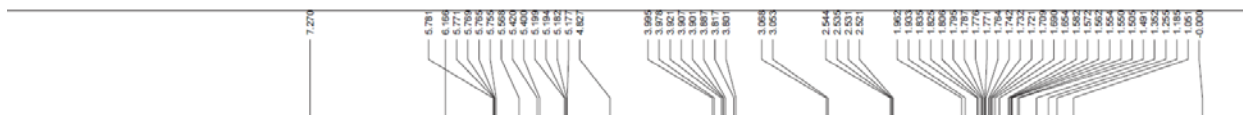
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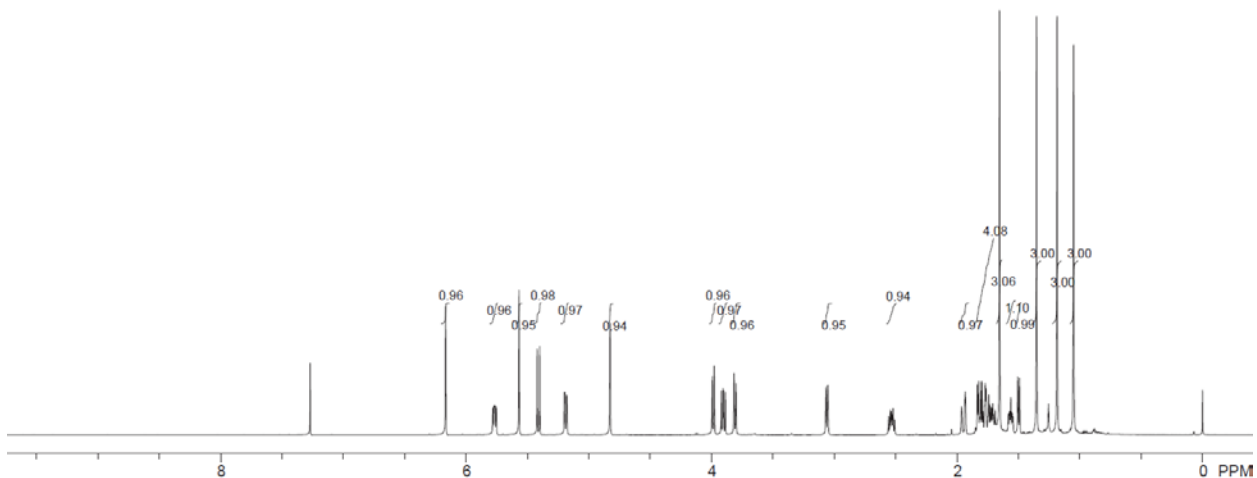
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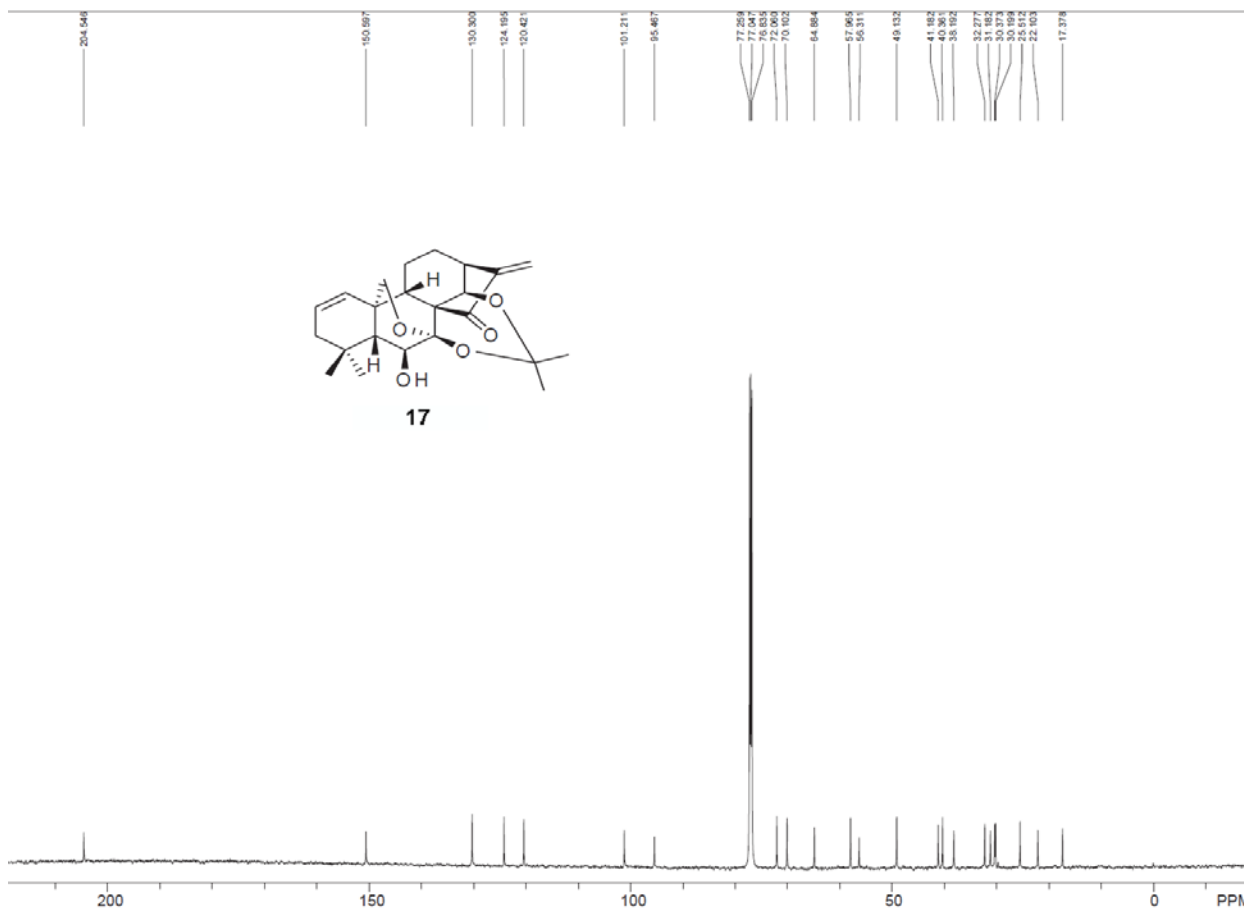
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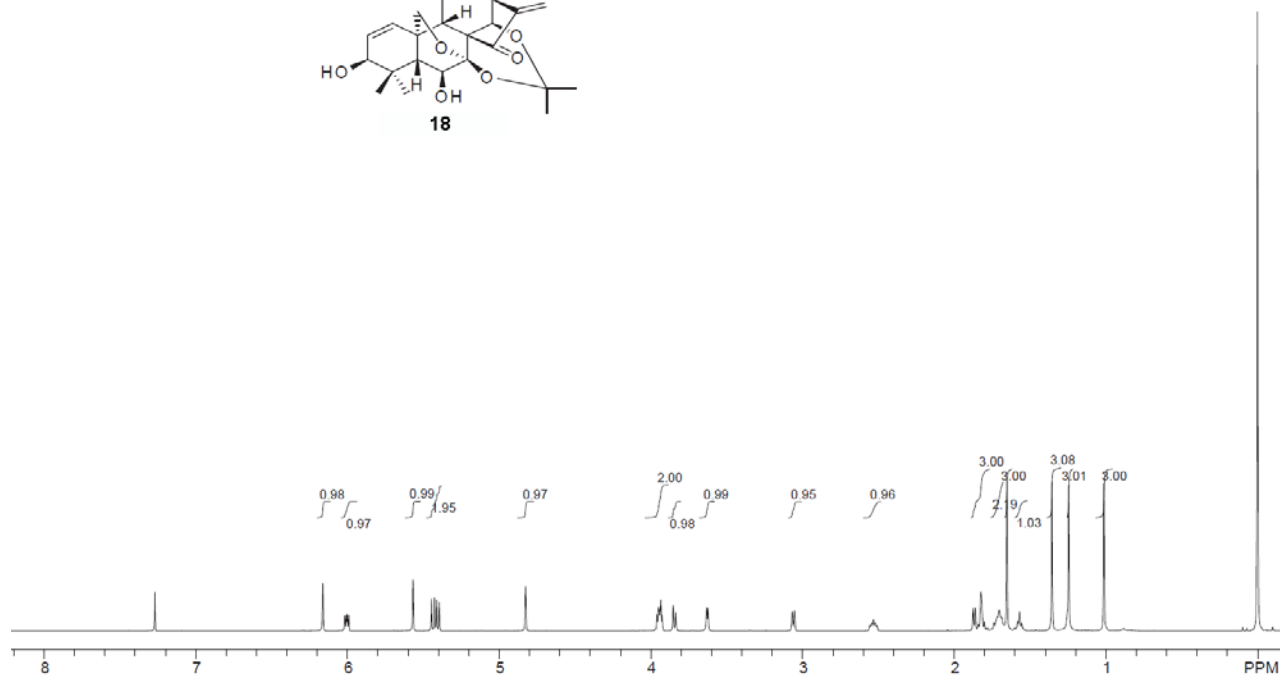
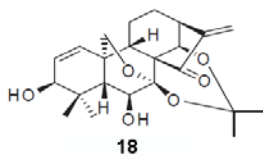
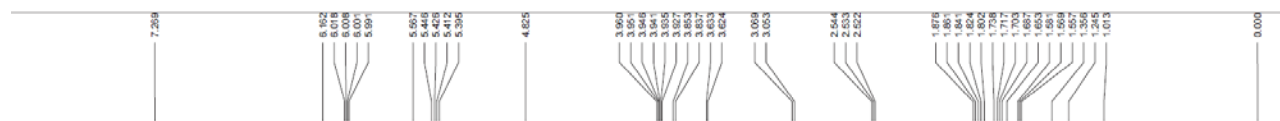
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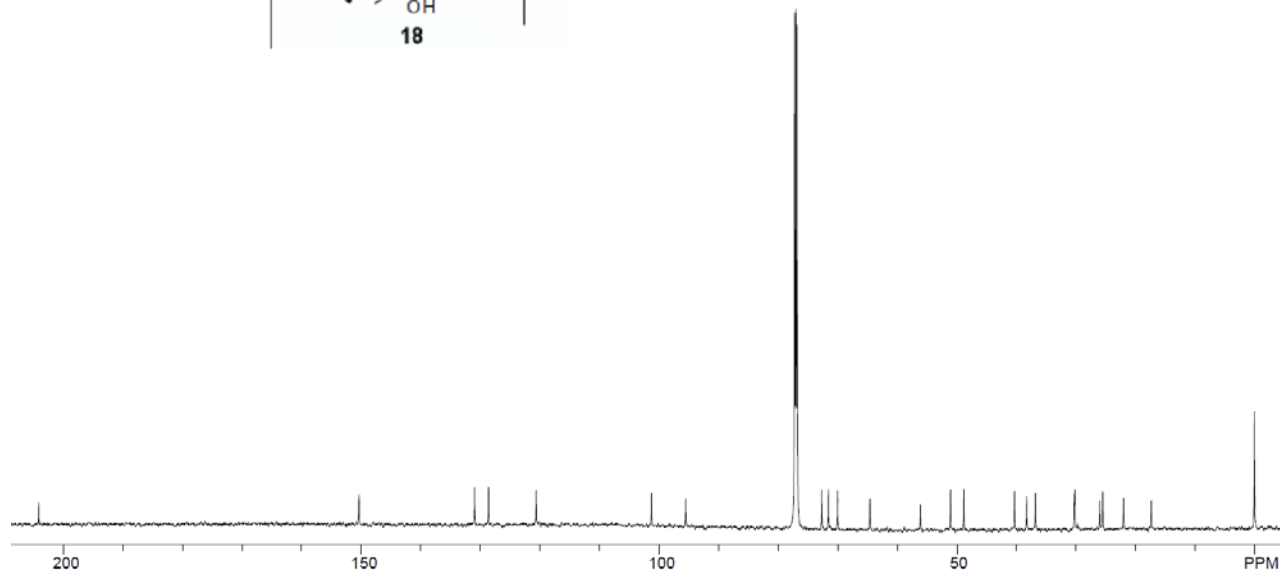
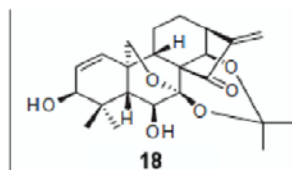
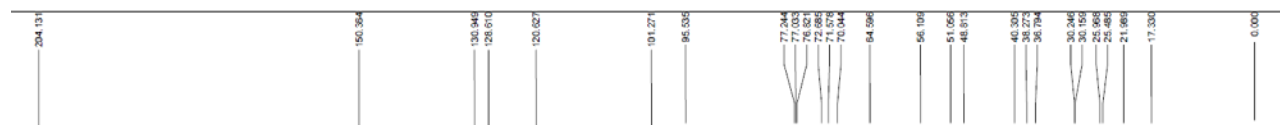


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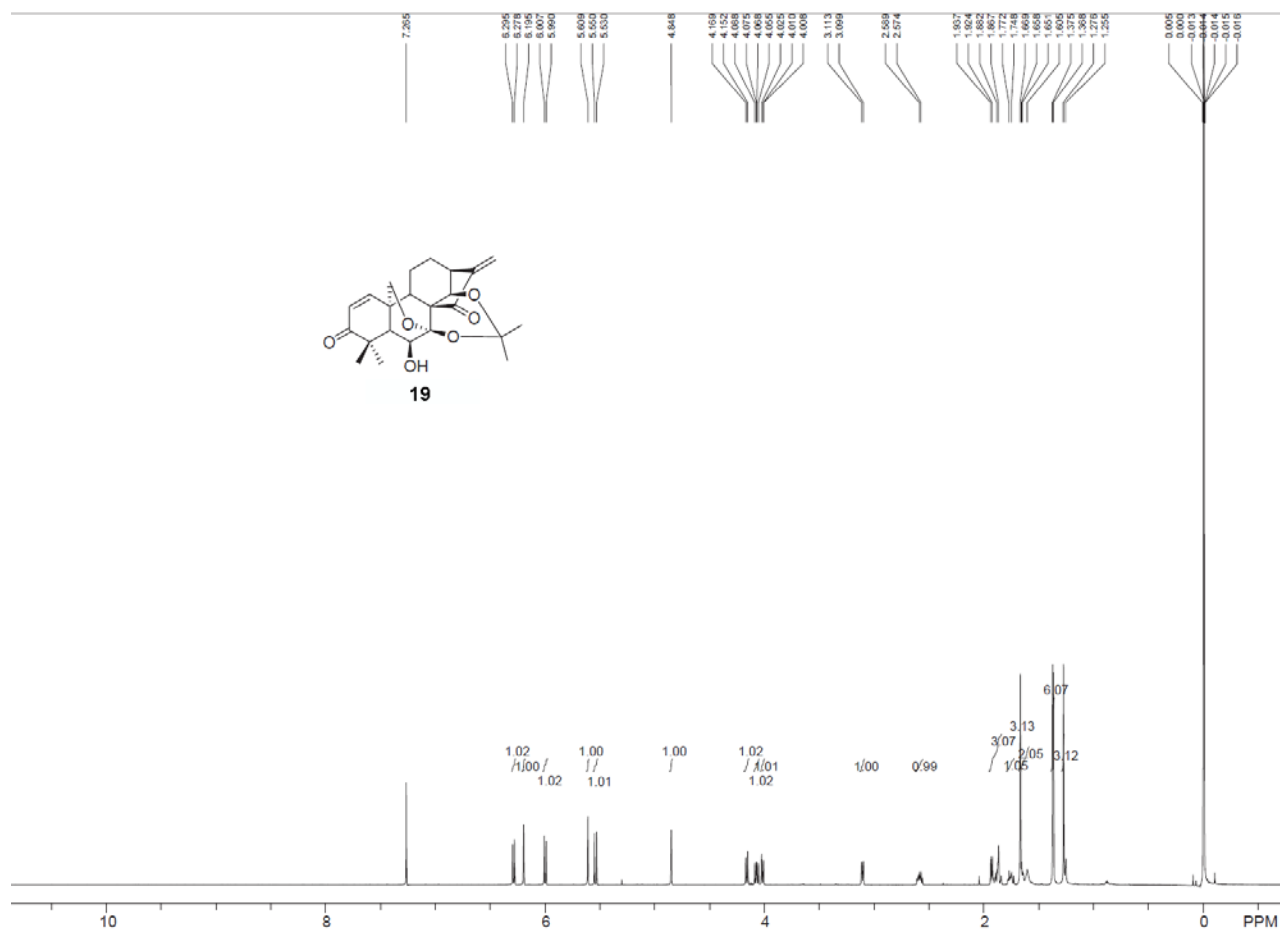


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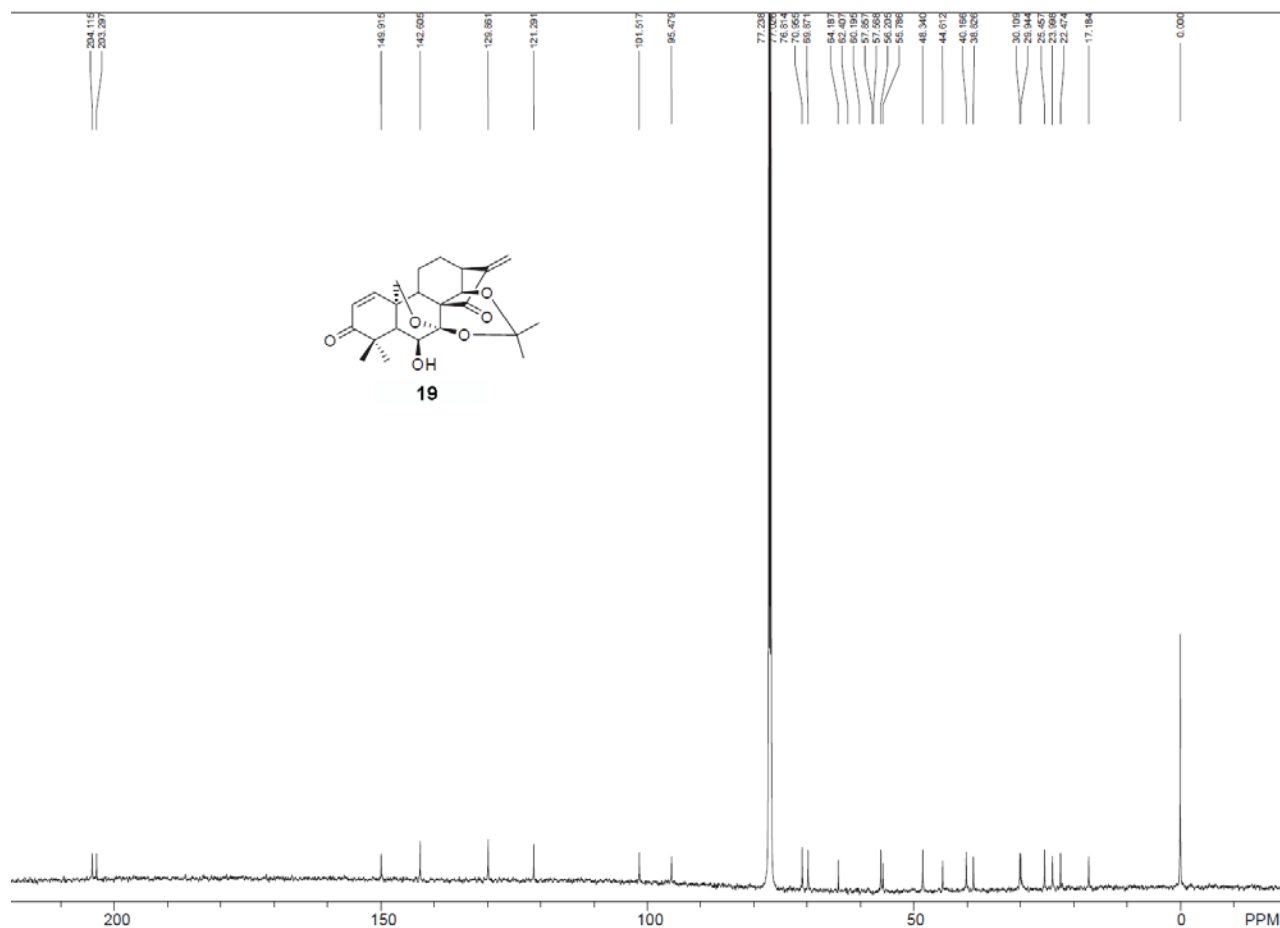




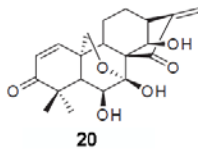
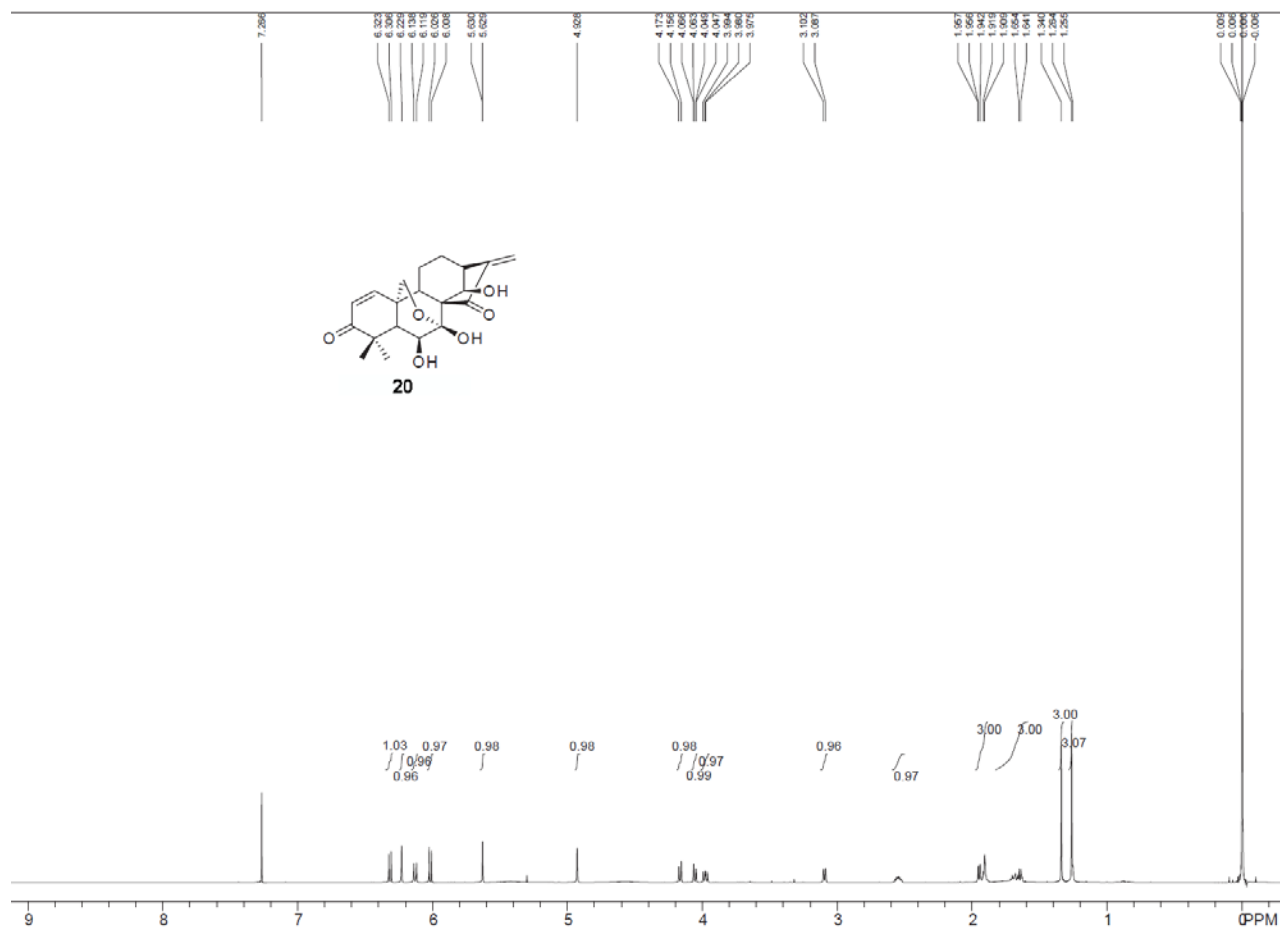
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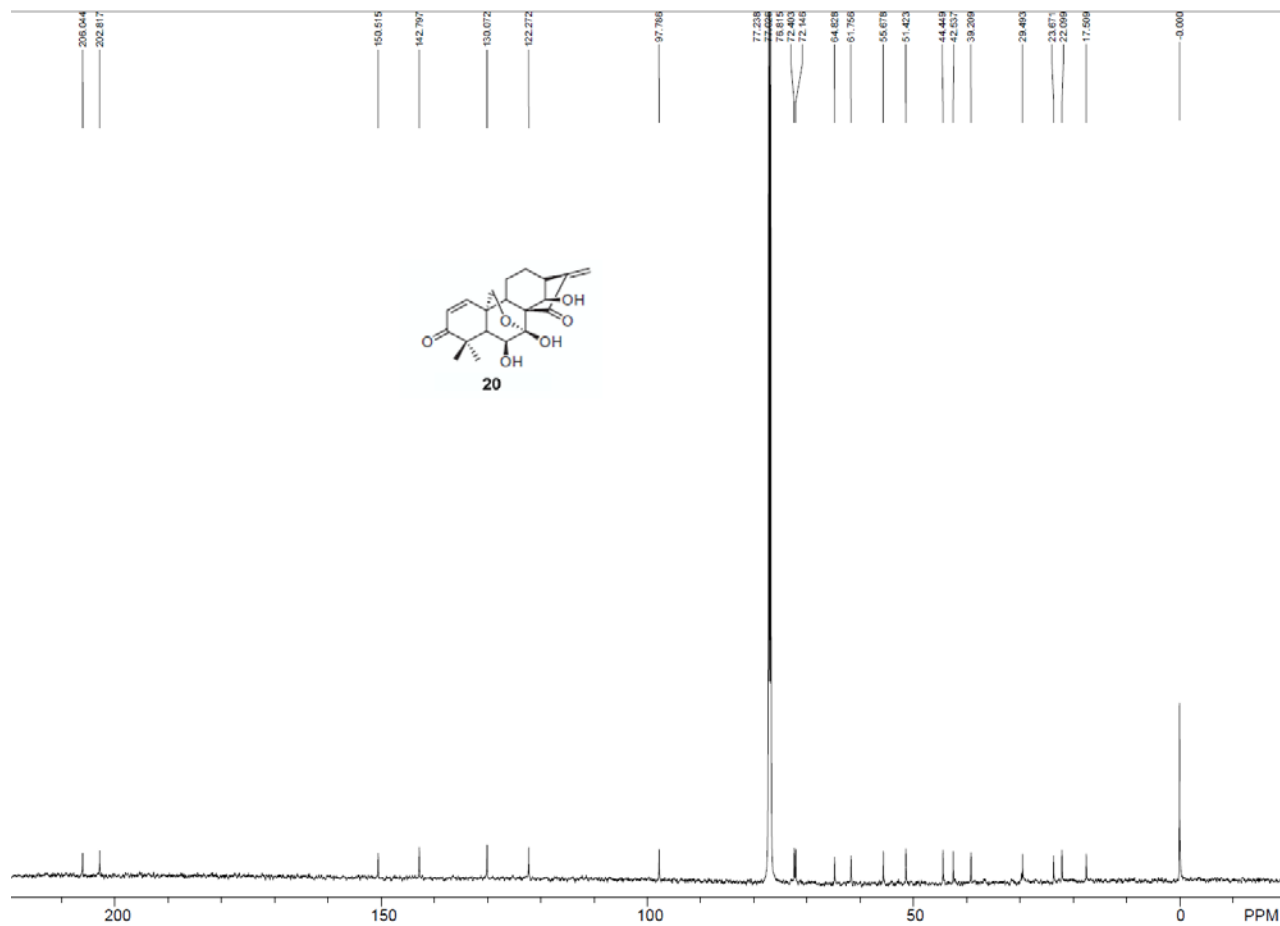
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