

Discovery and preliminary SAR of 14-aryloxy-andrographolide derivatives as antibacterial agents with immunosuppressant activity

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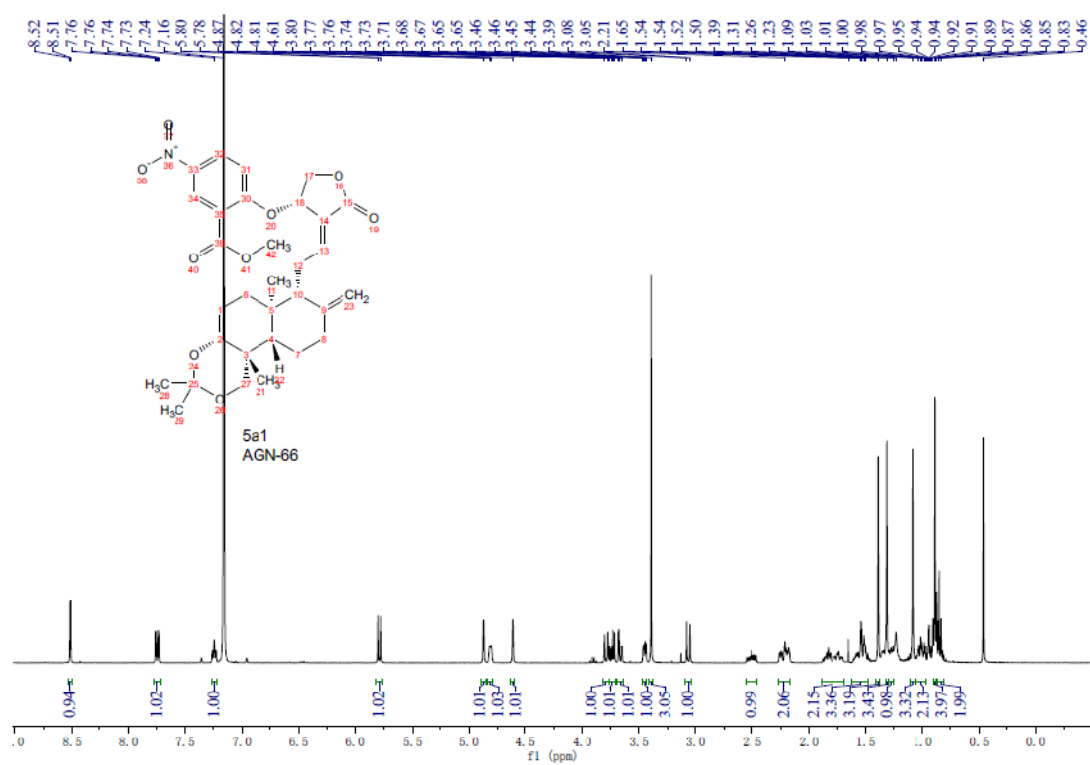
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[‡] These authors contributed equally to this work.

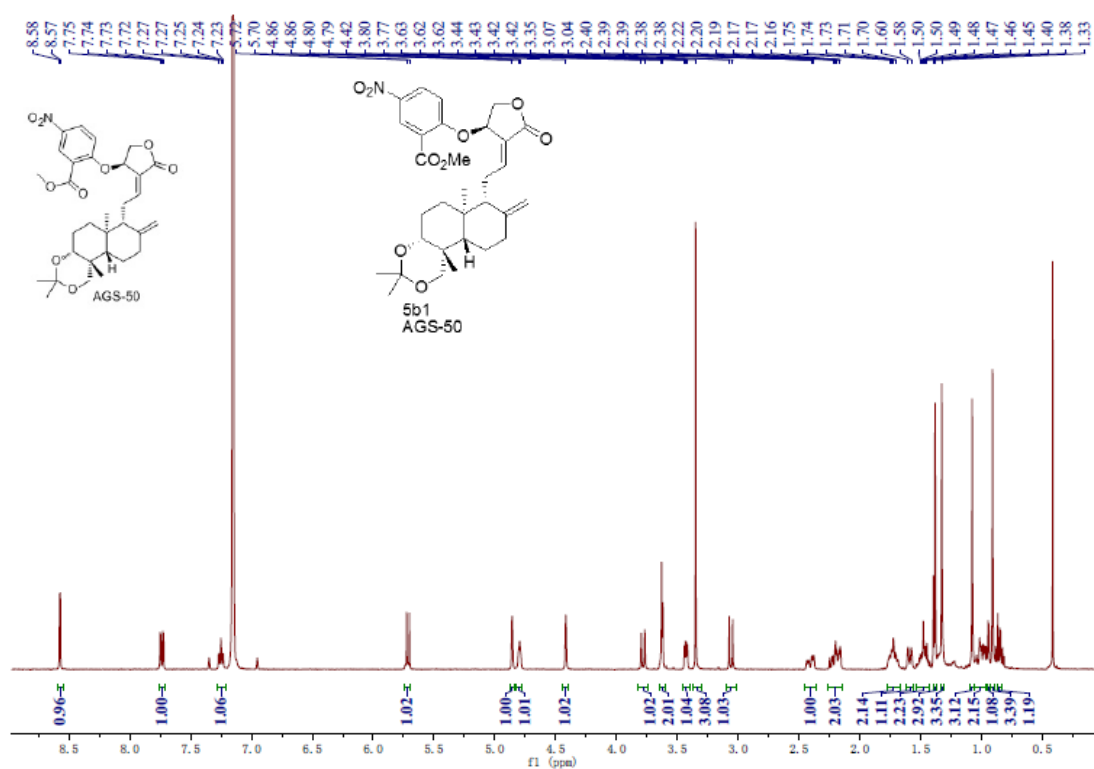
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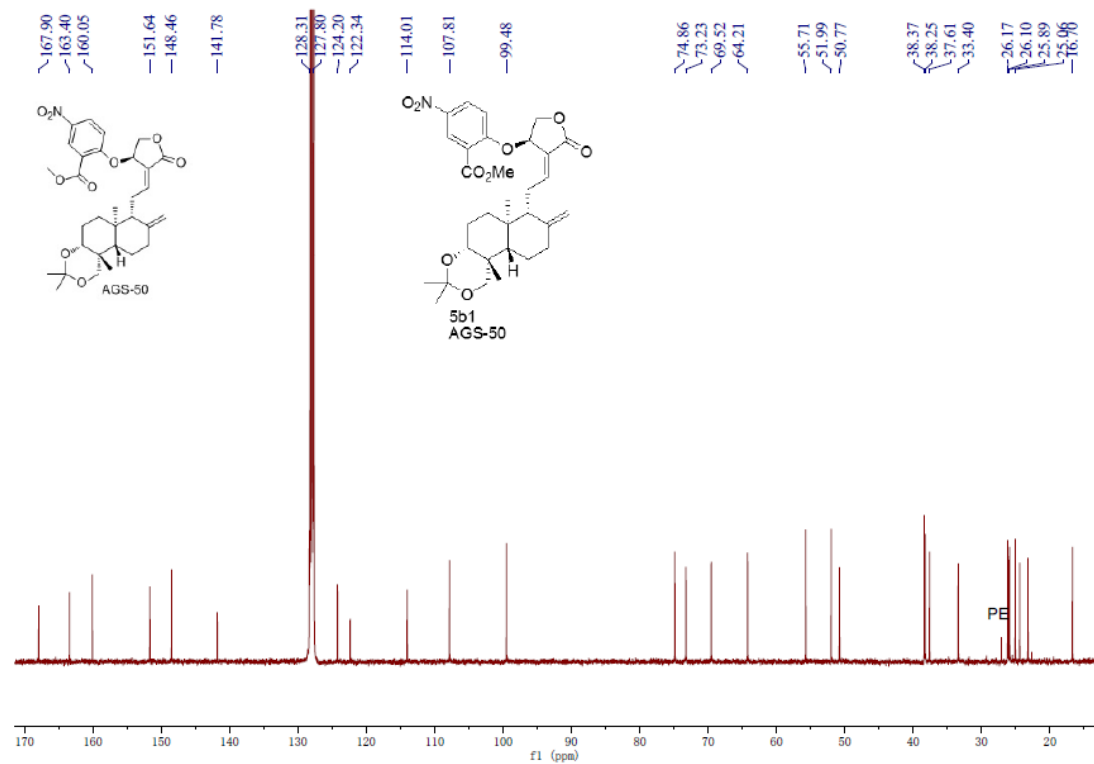
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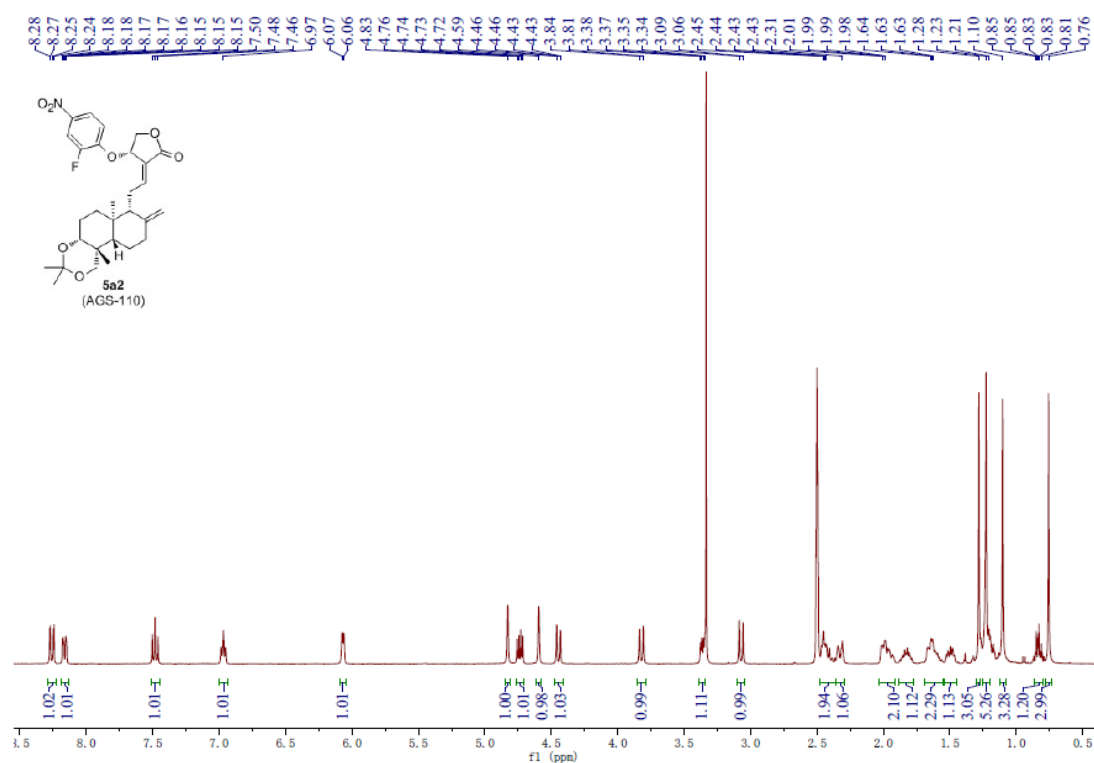
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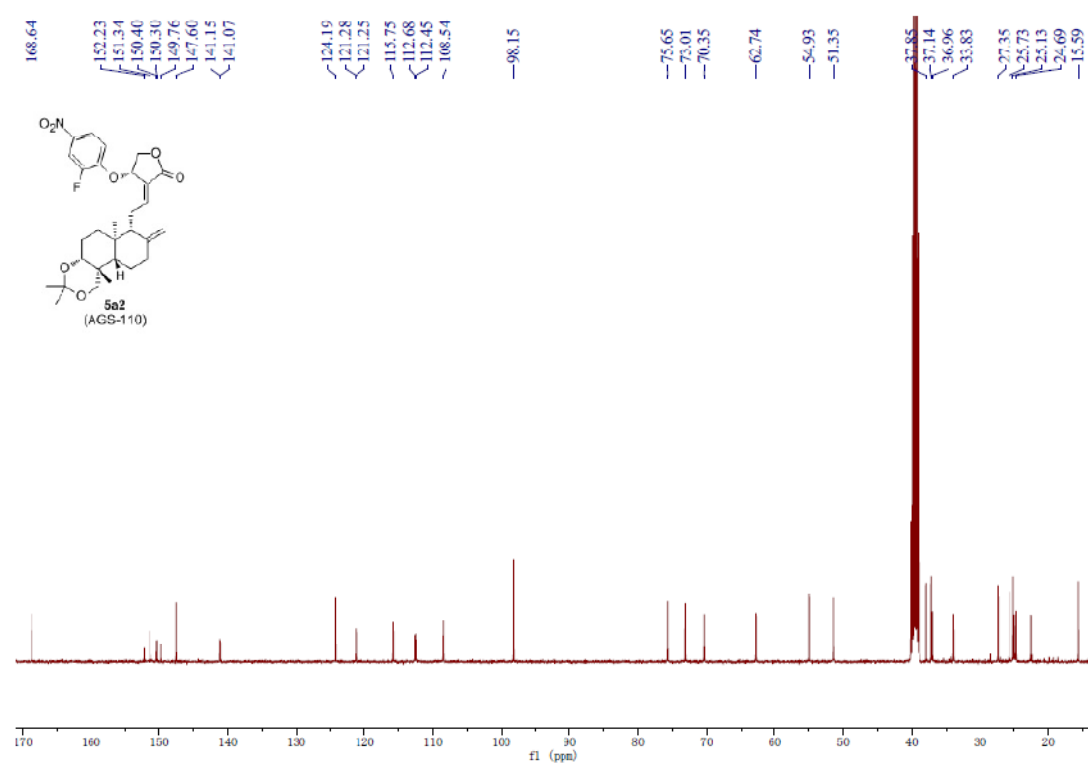
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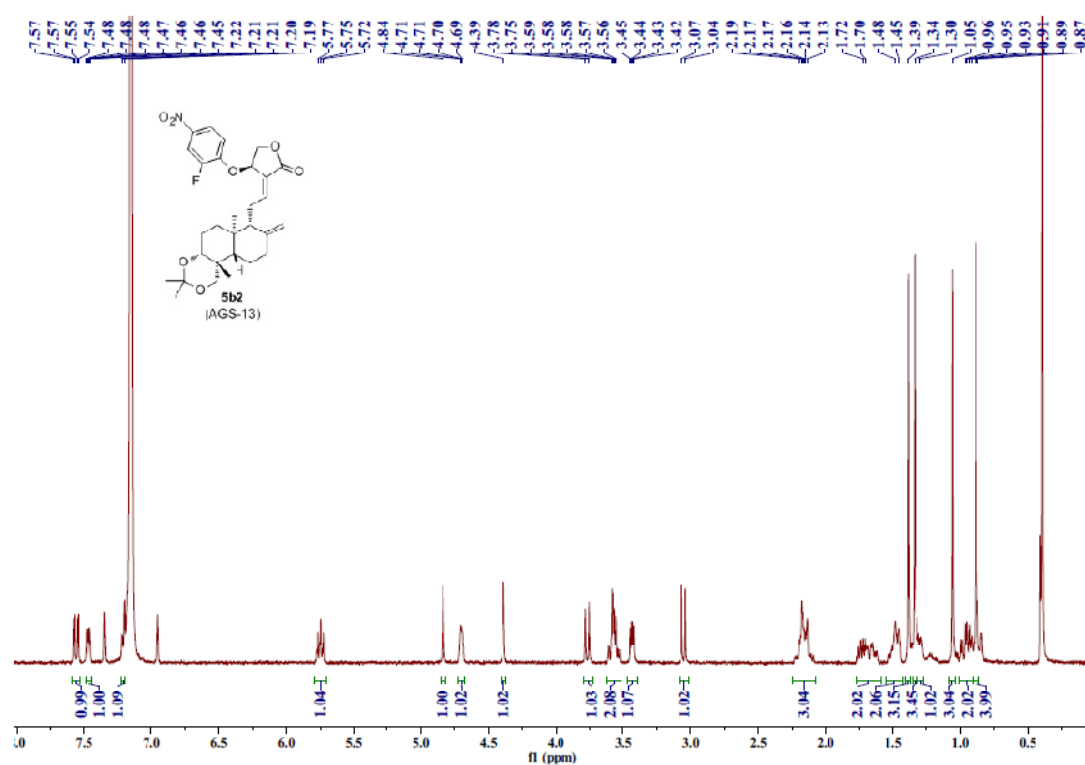
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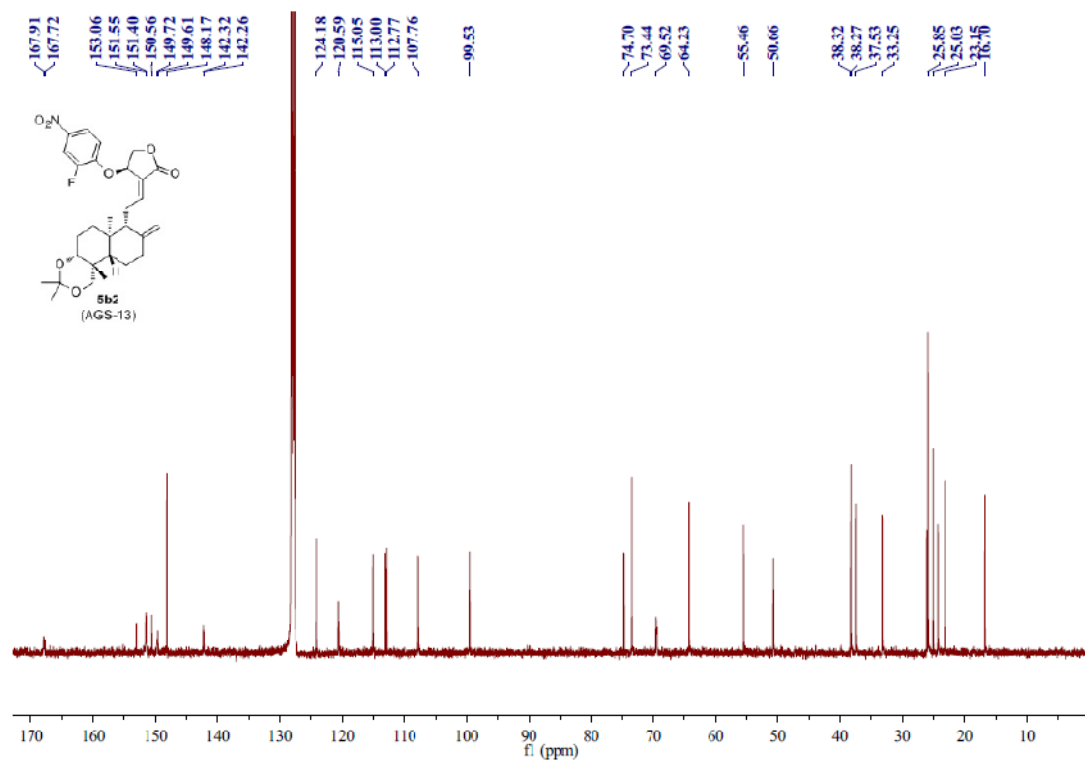
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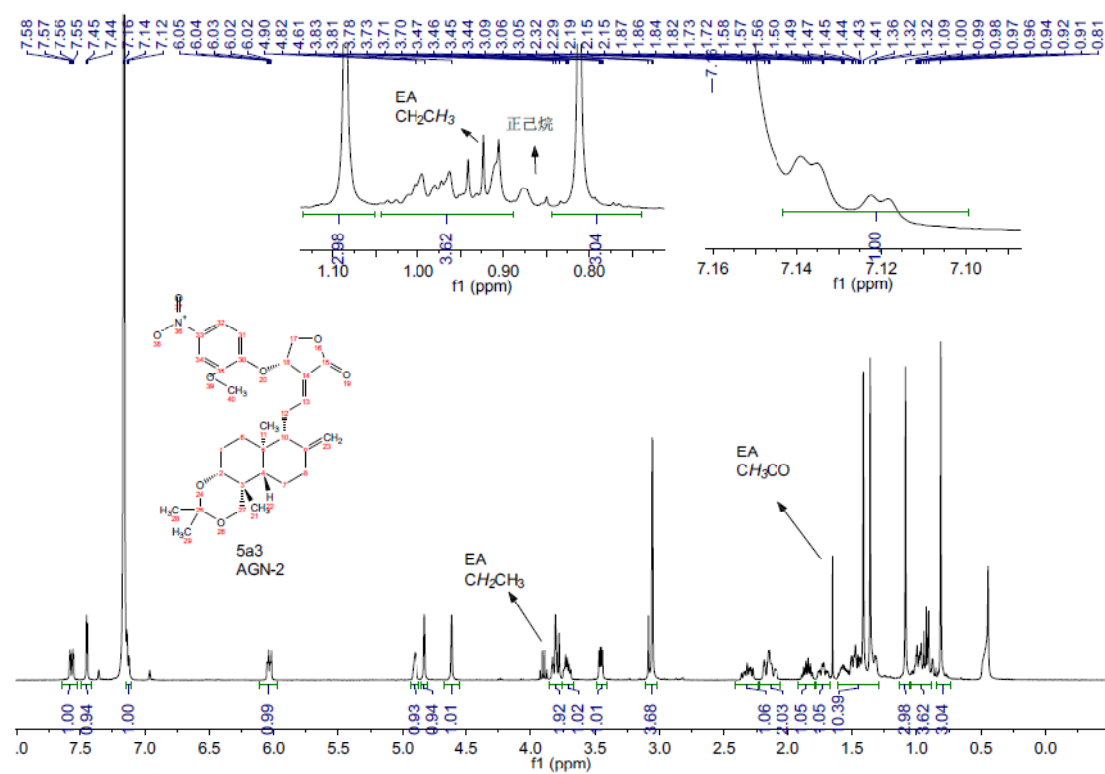
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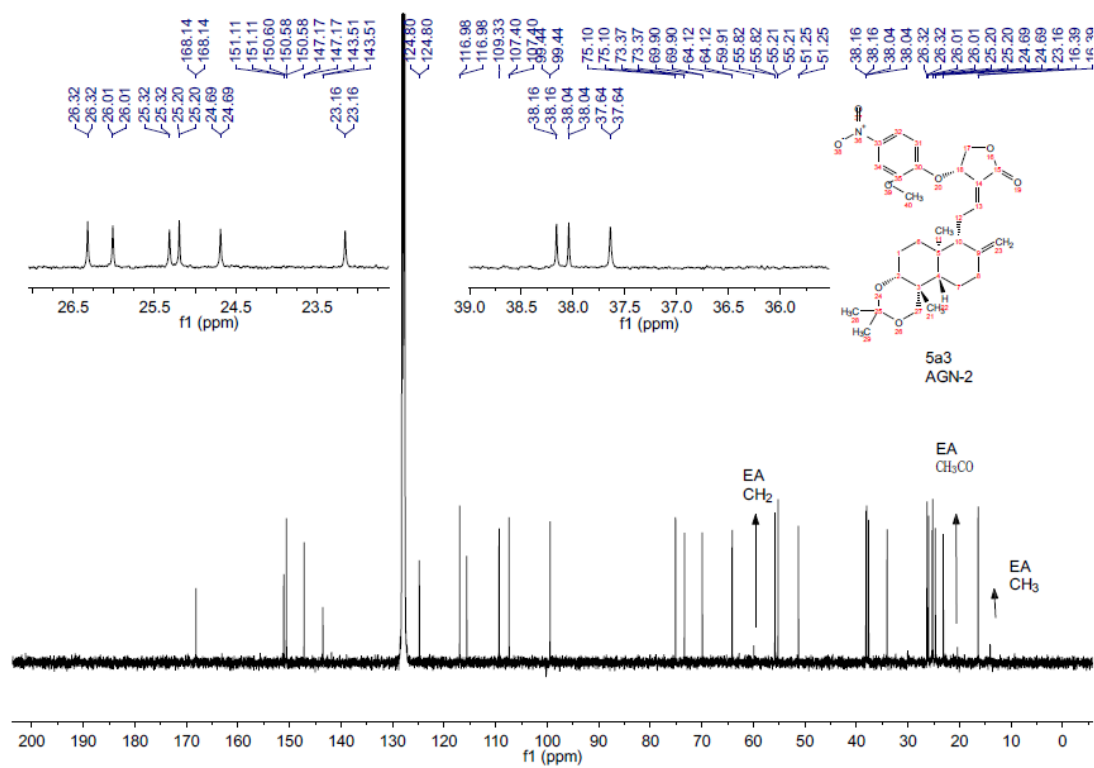
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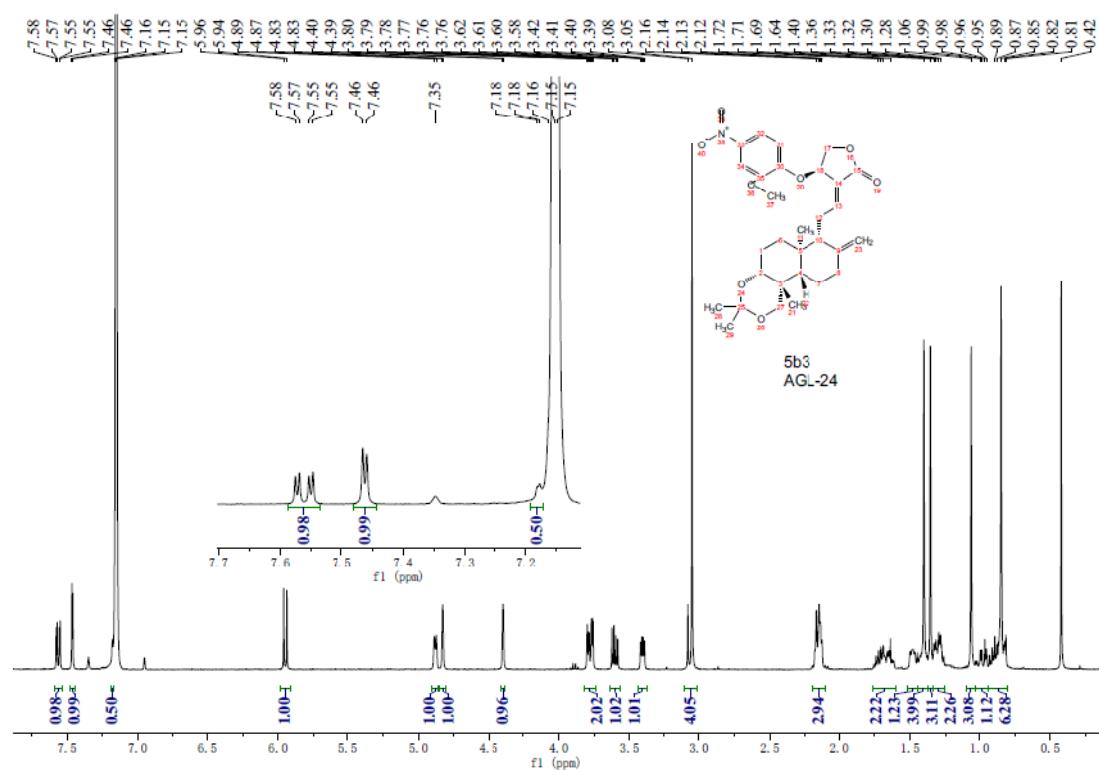
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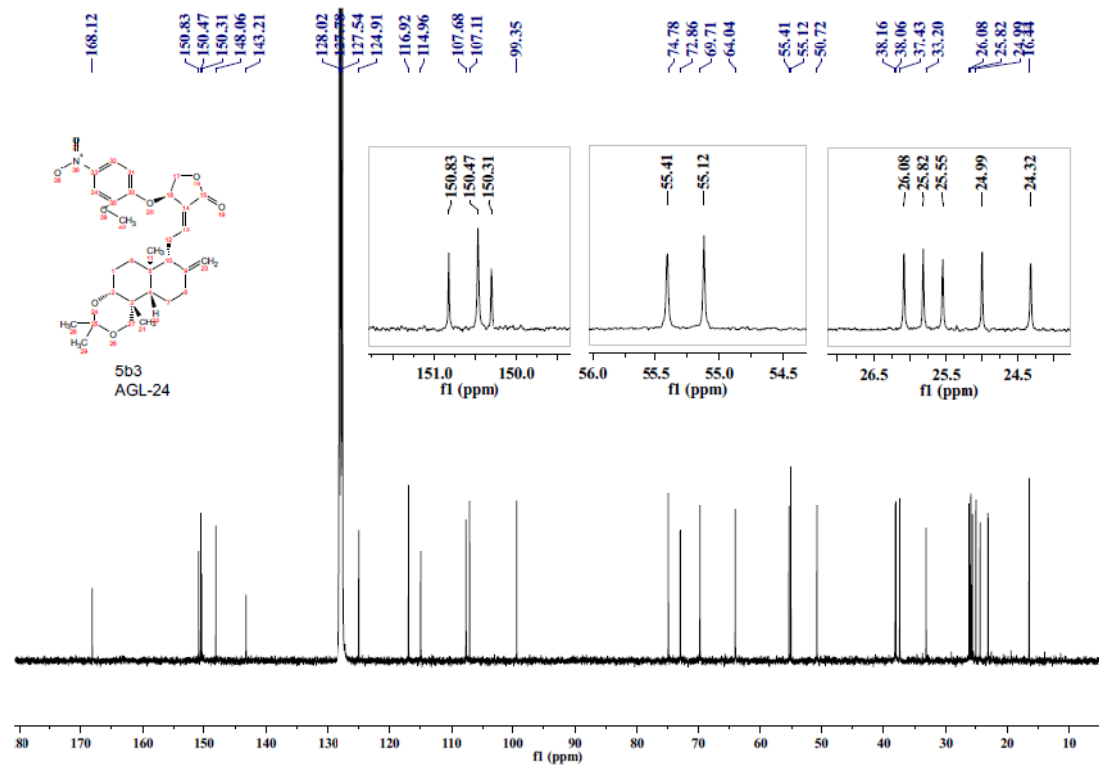
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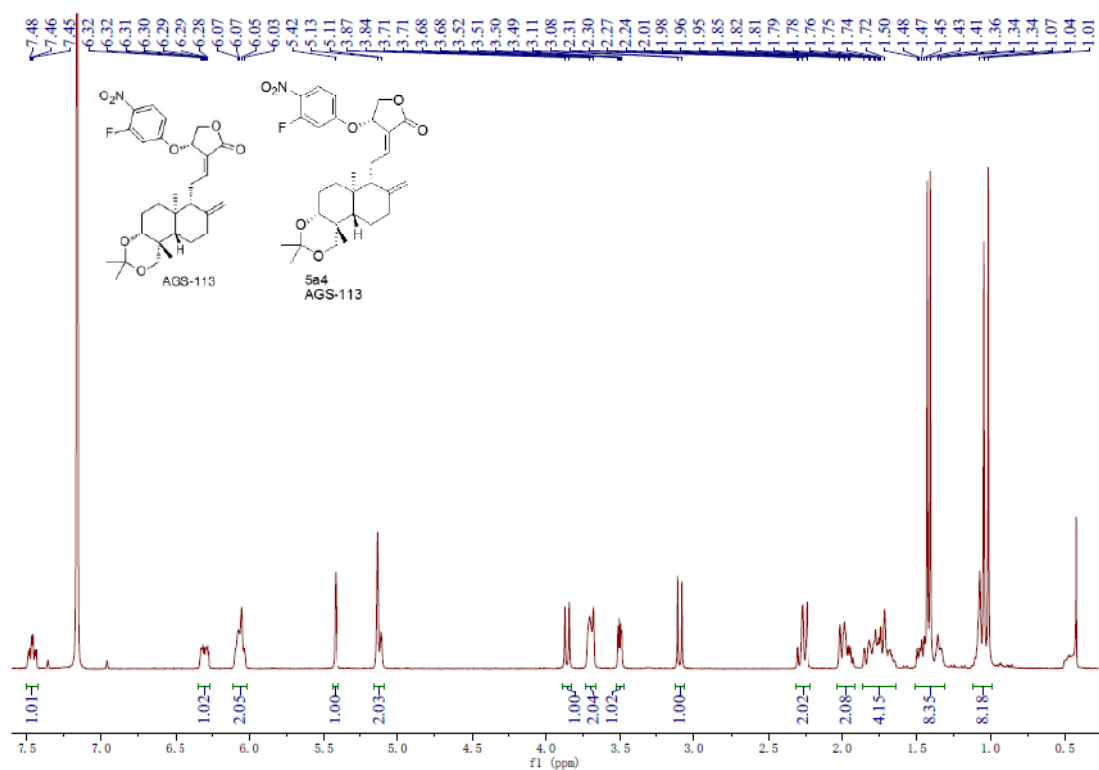
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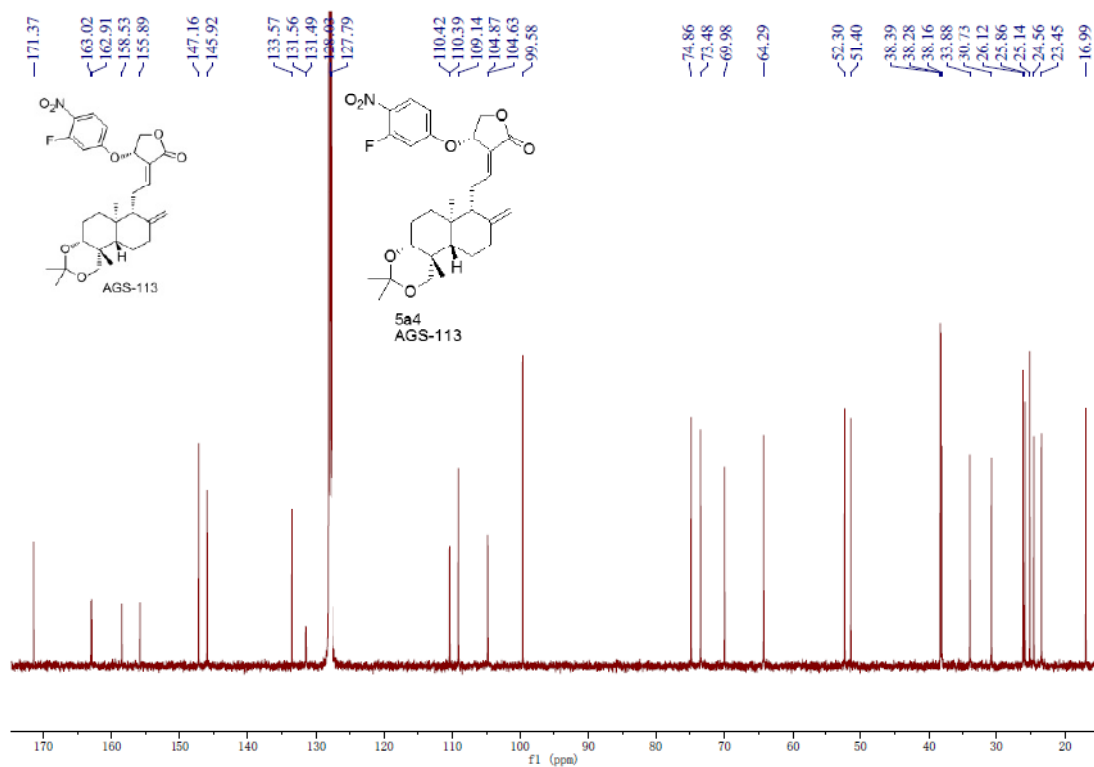
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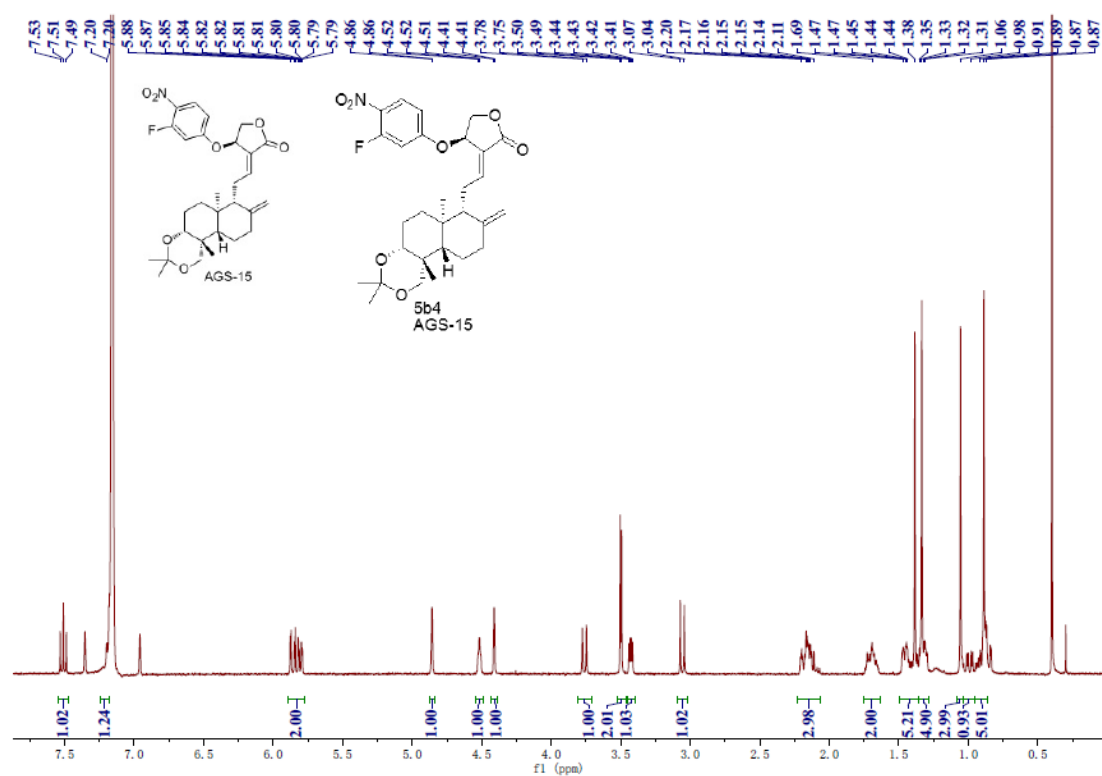
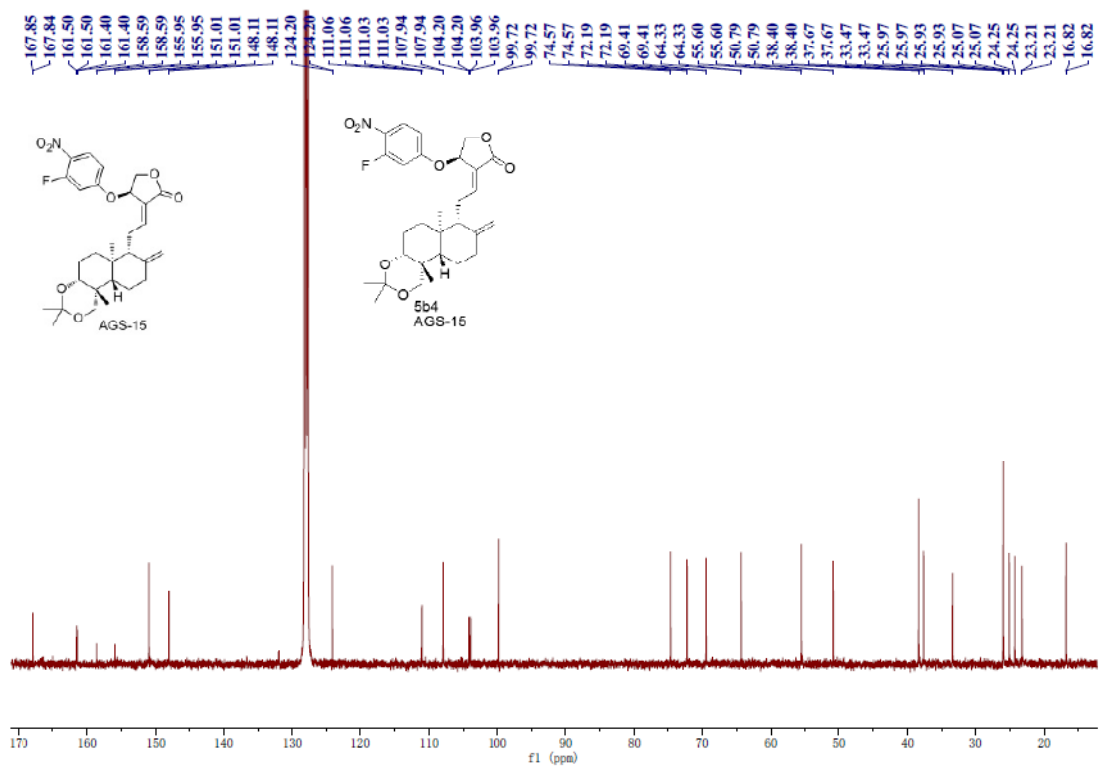


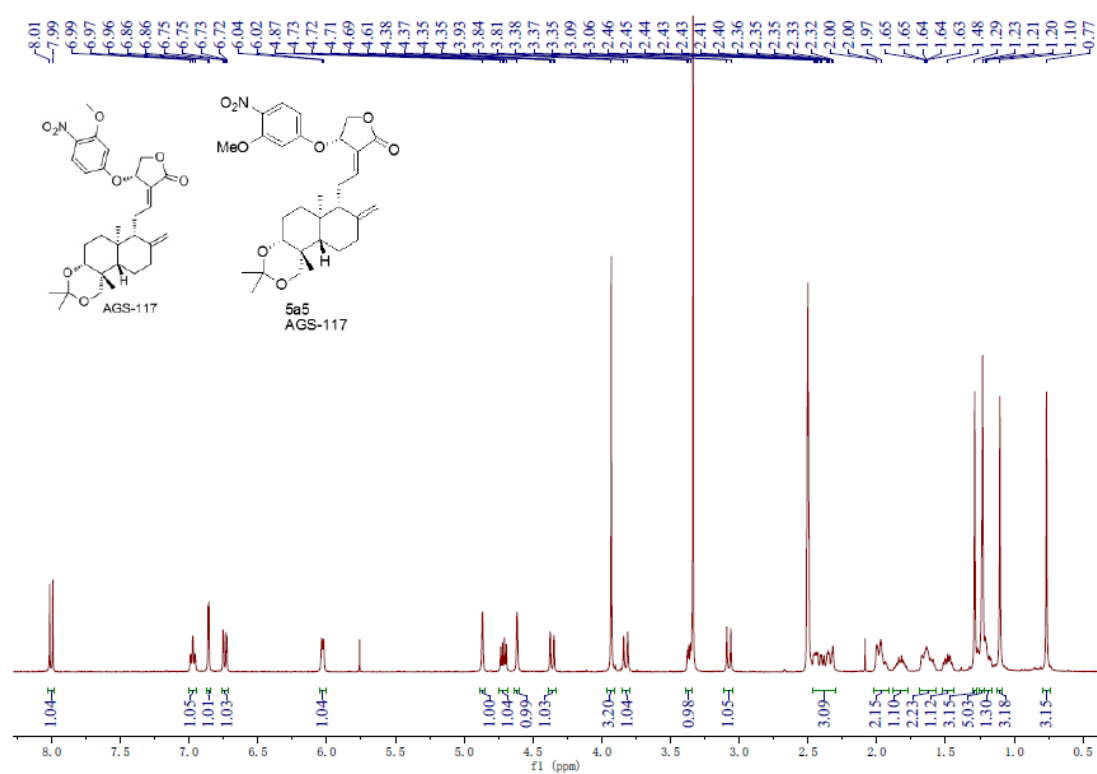
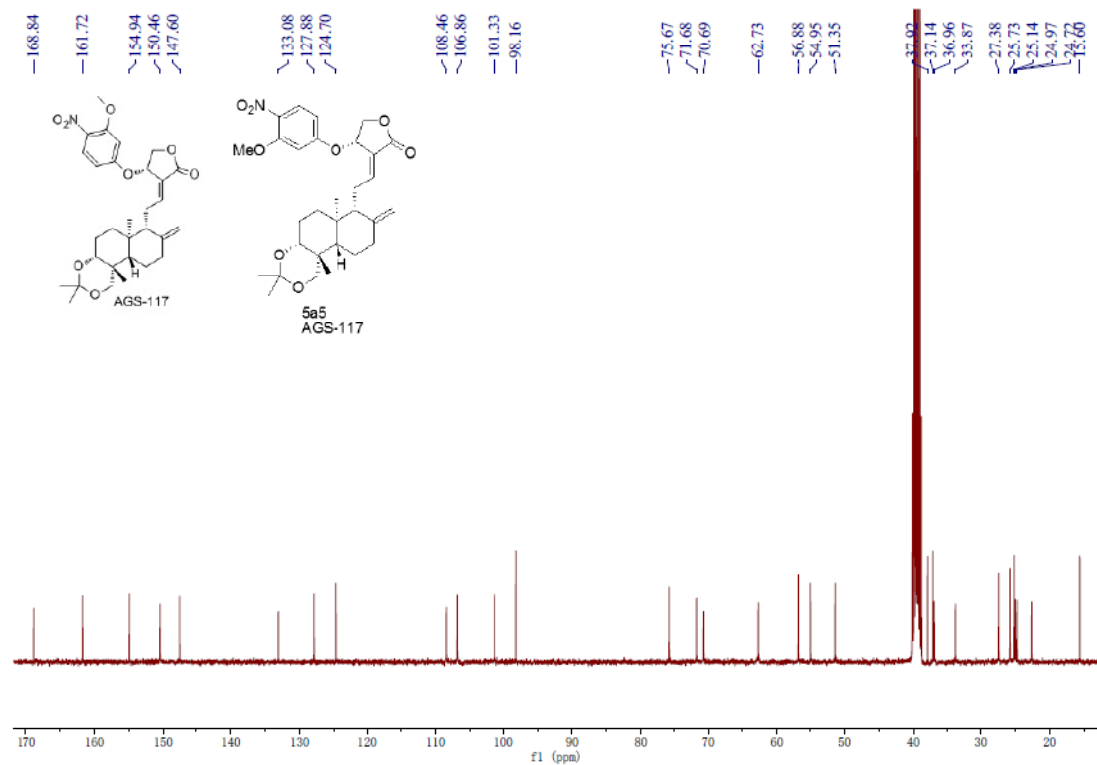
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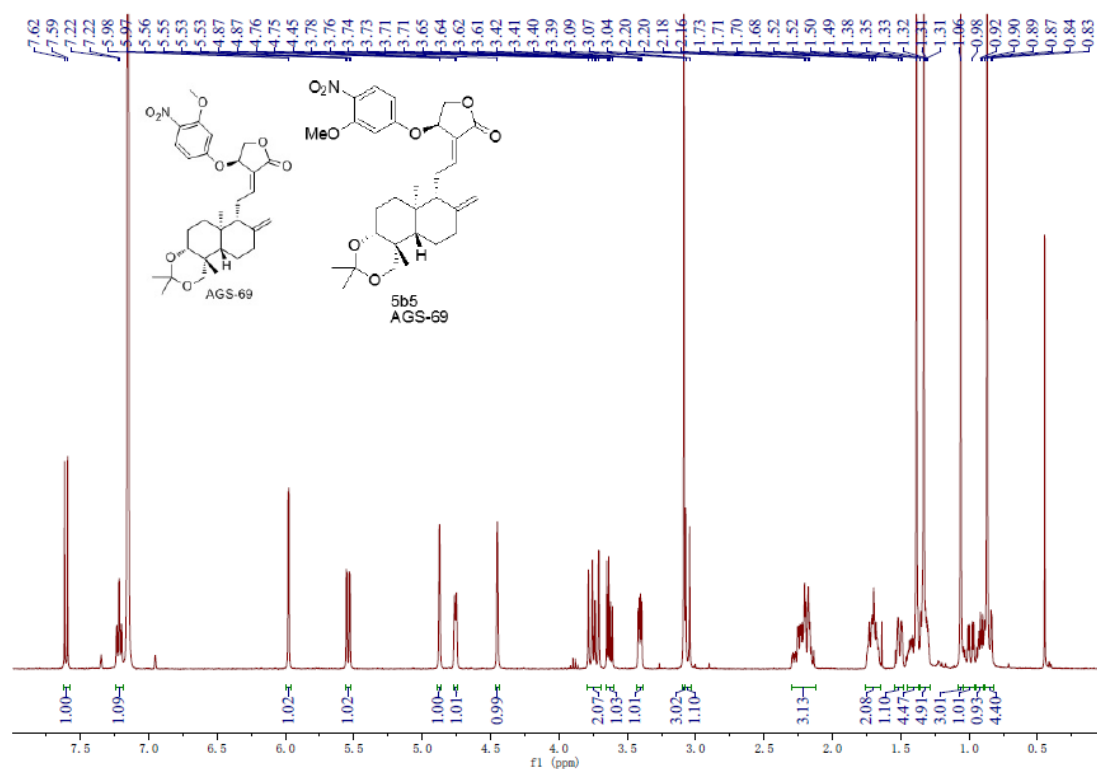
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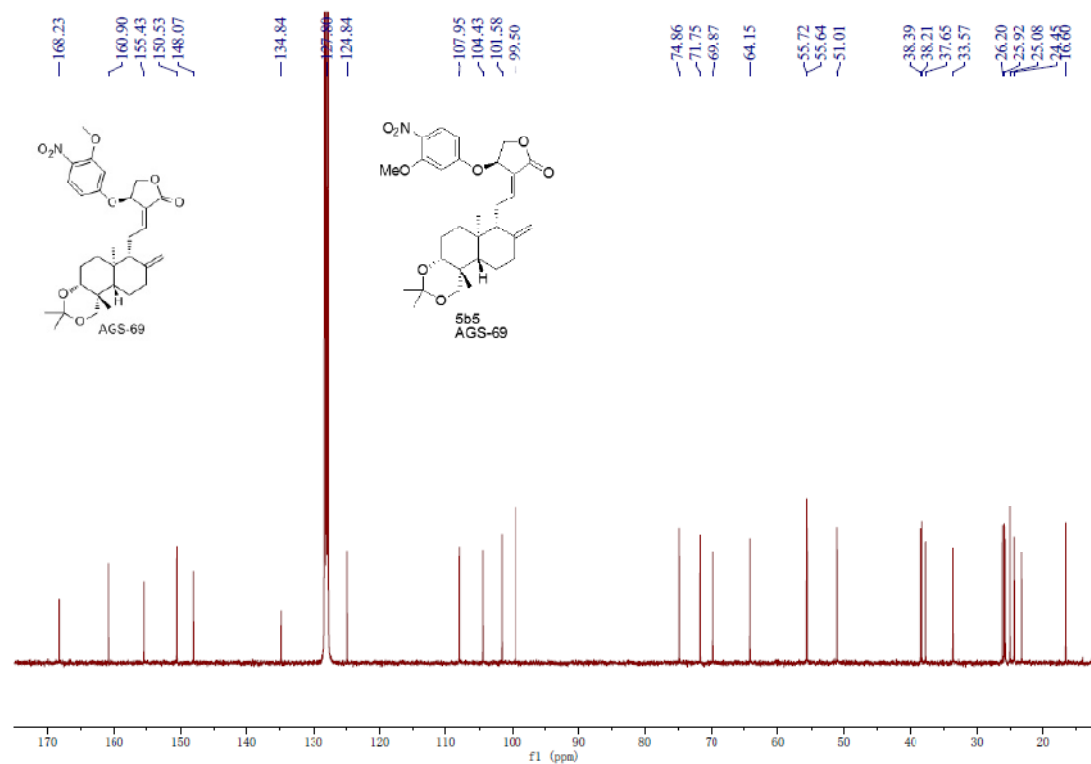
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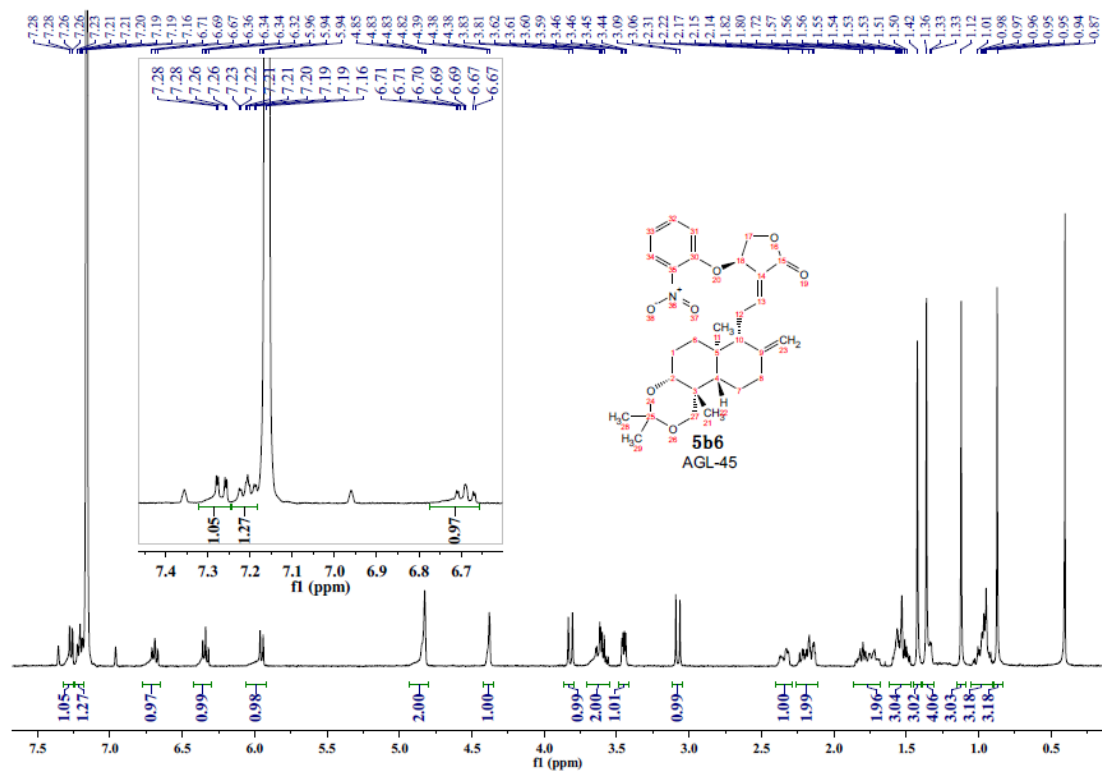
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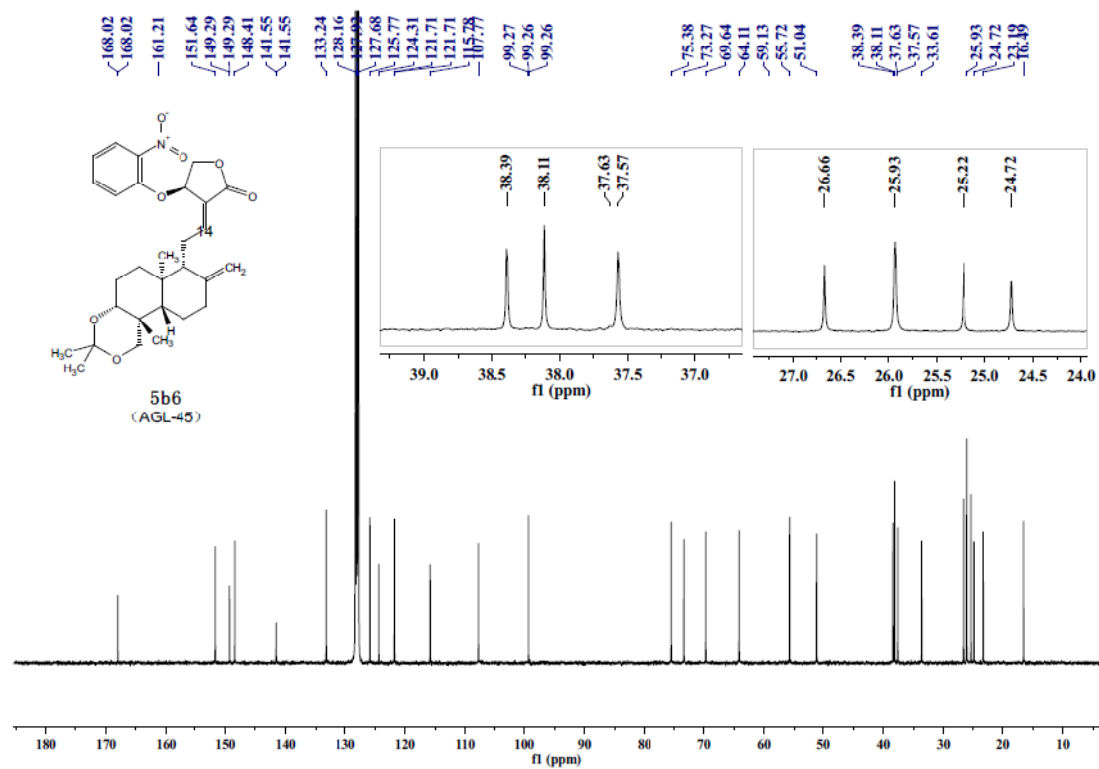
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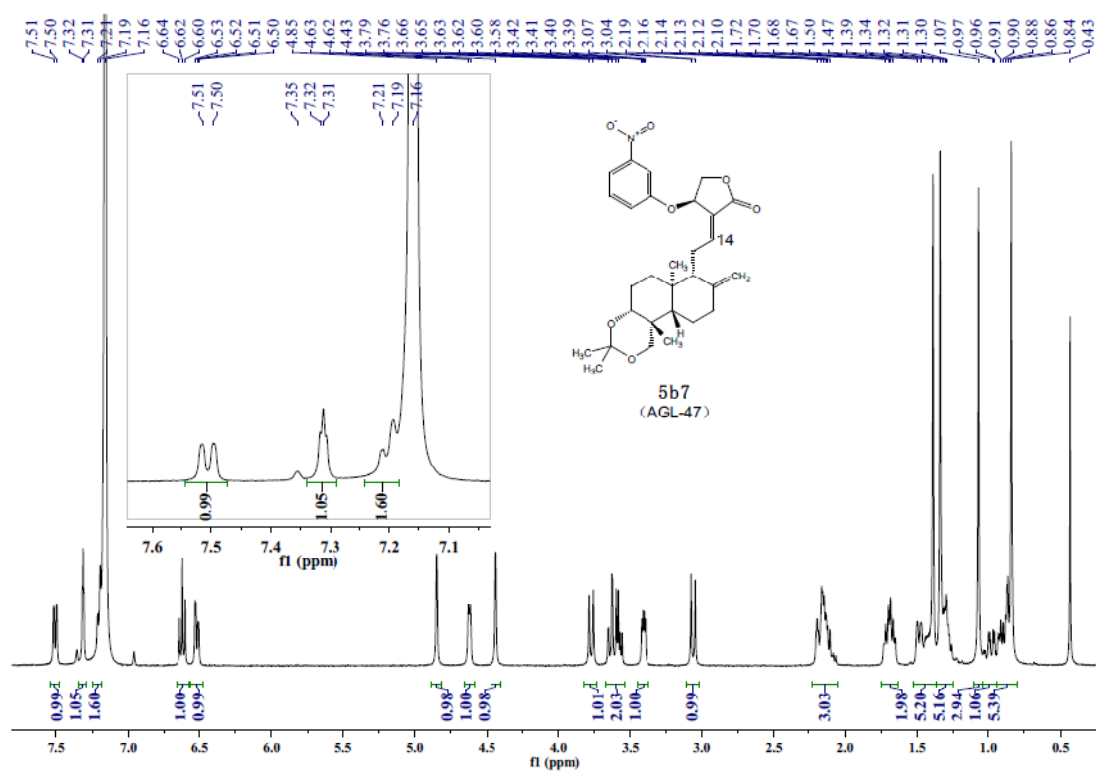
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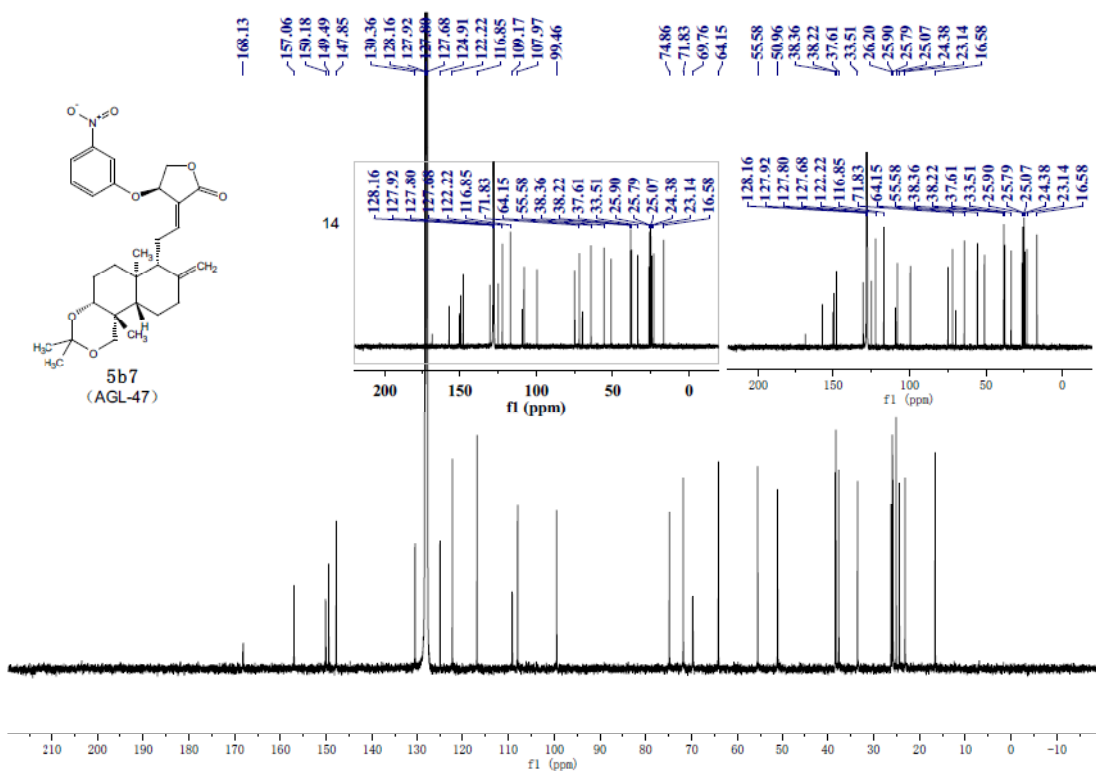
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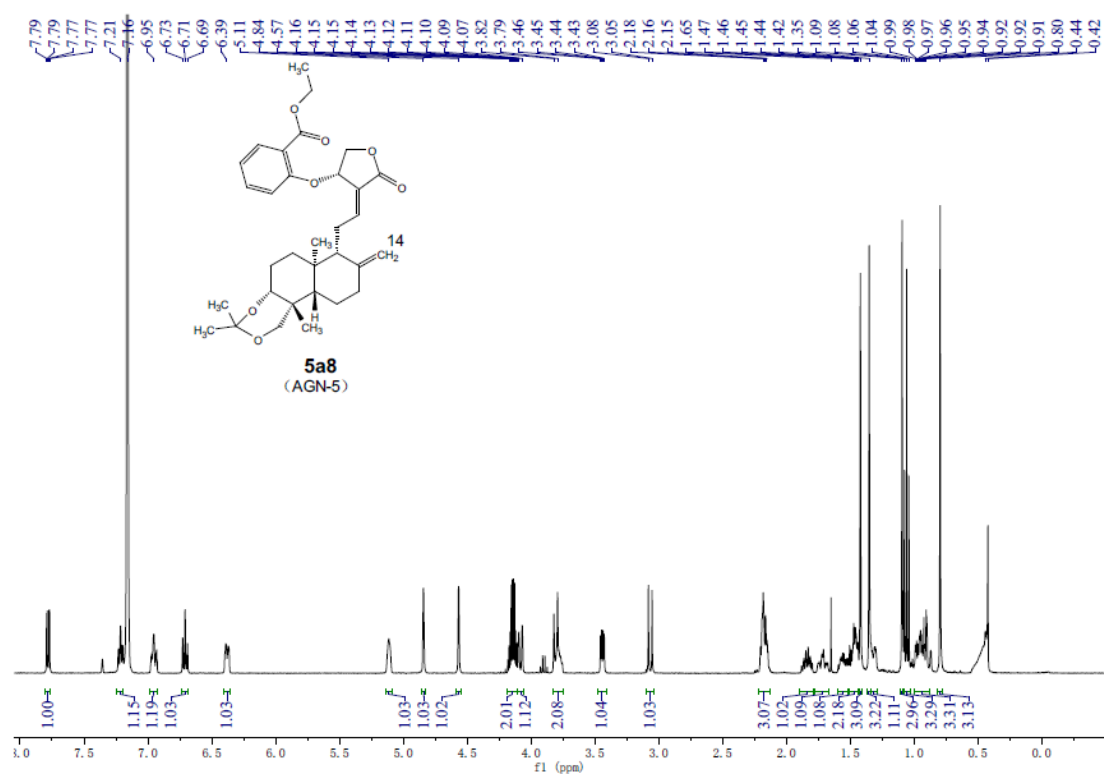
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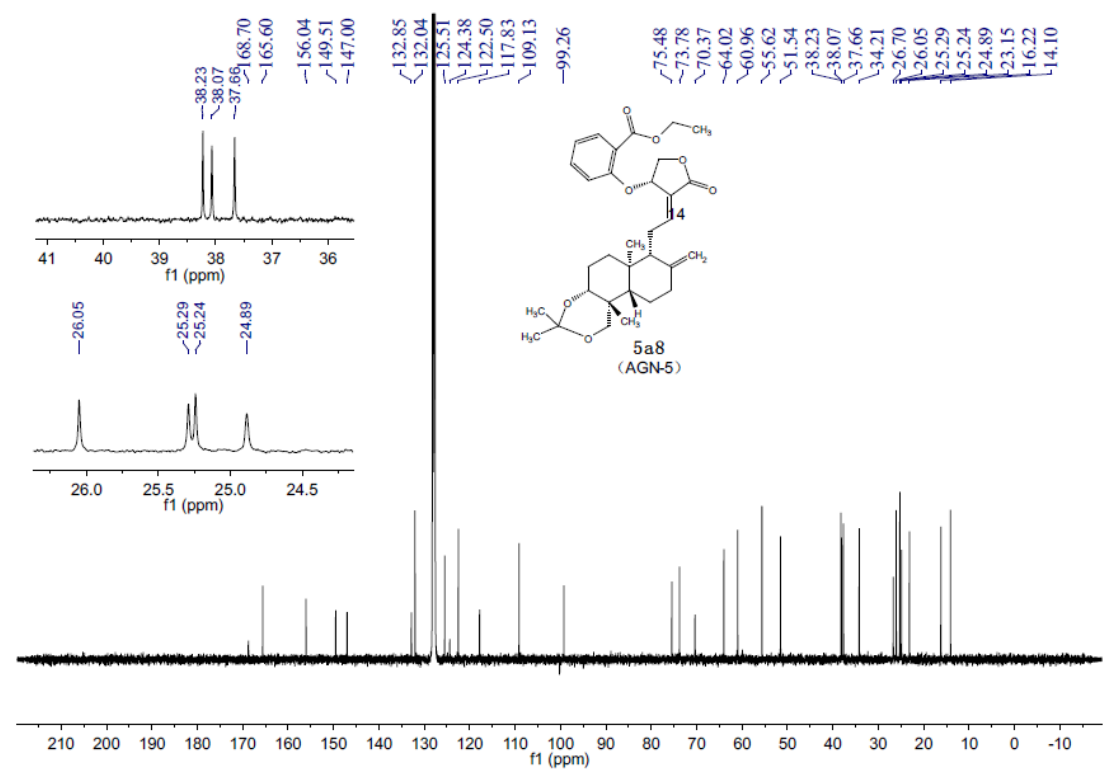
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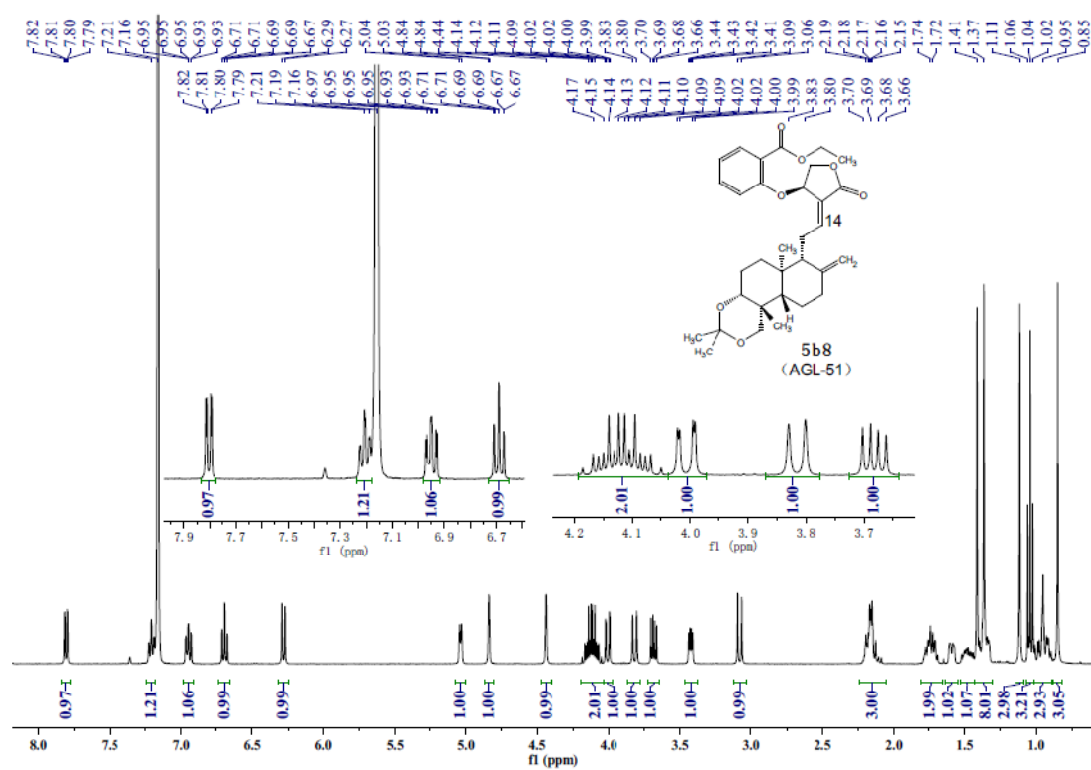
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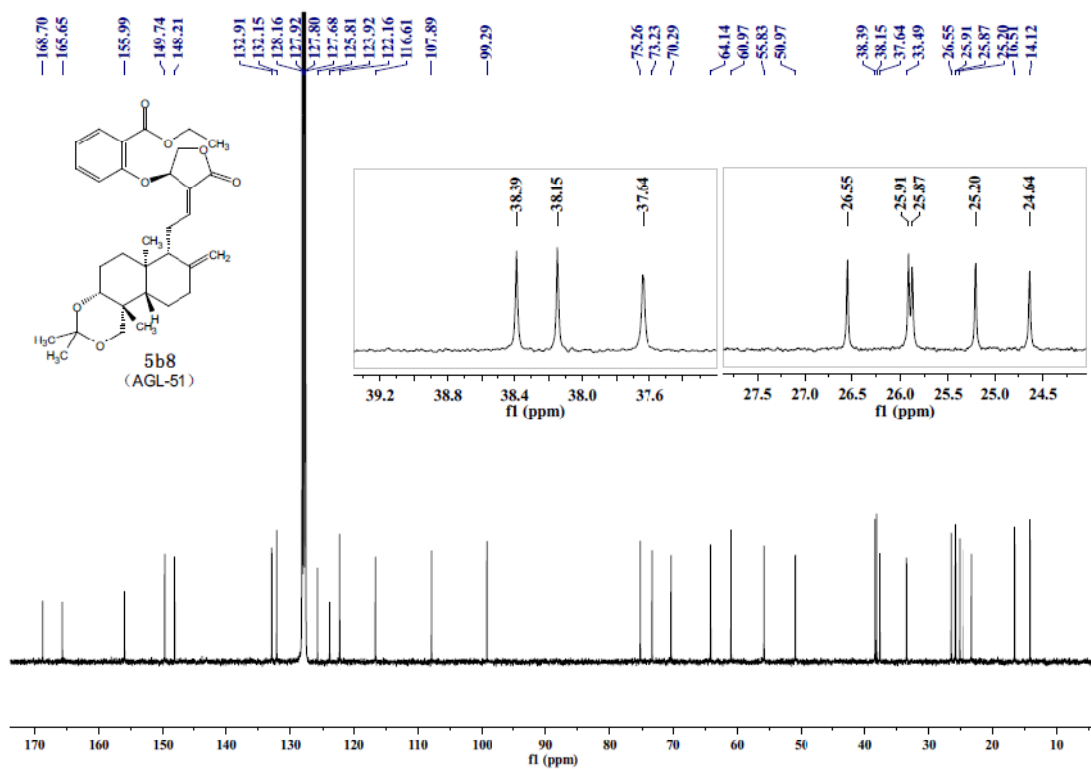
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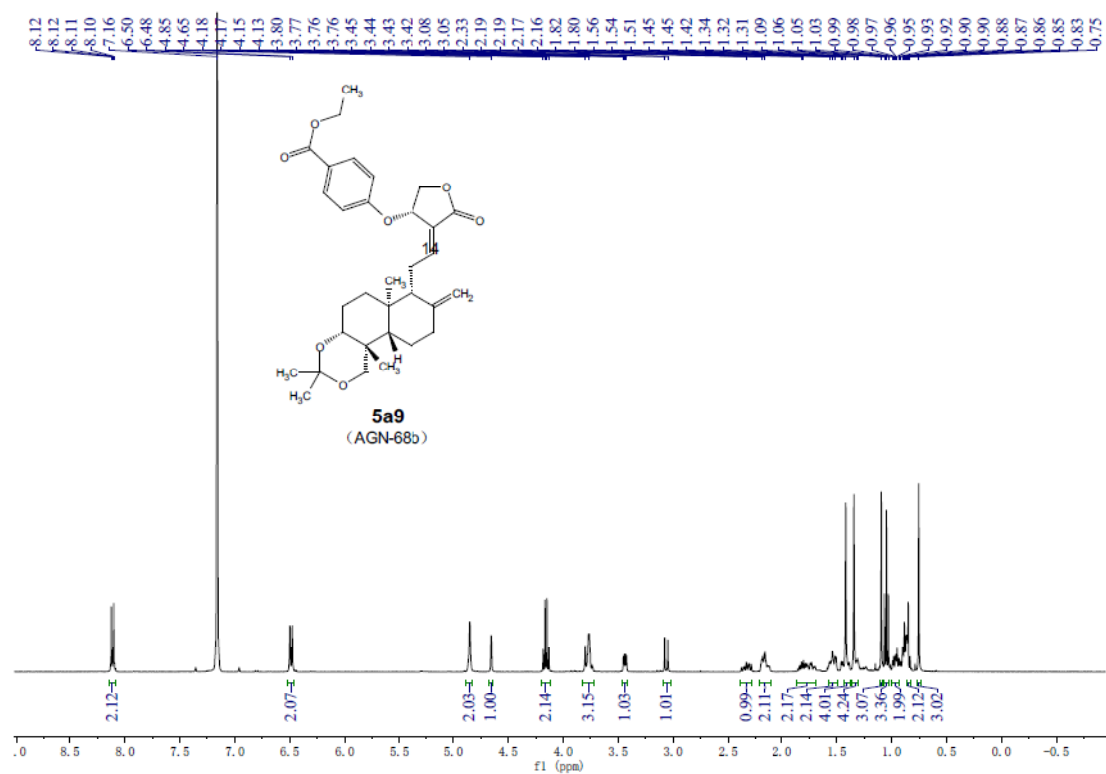
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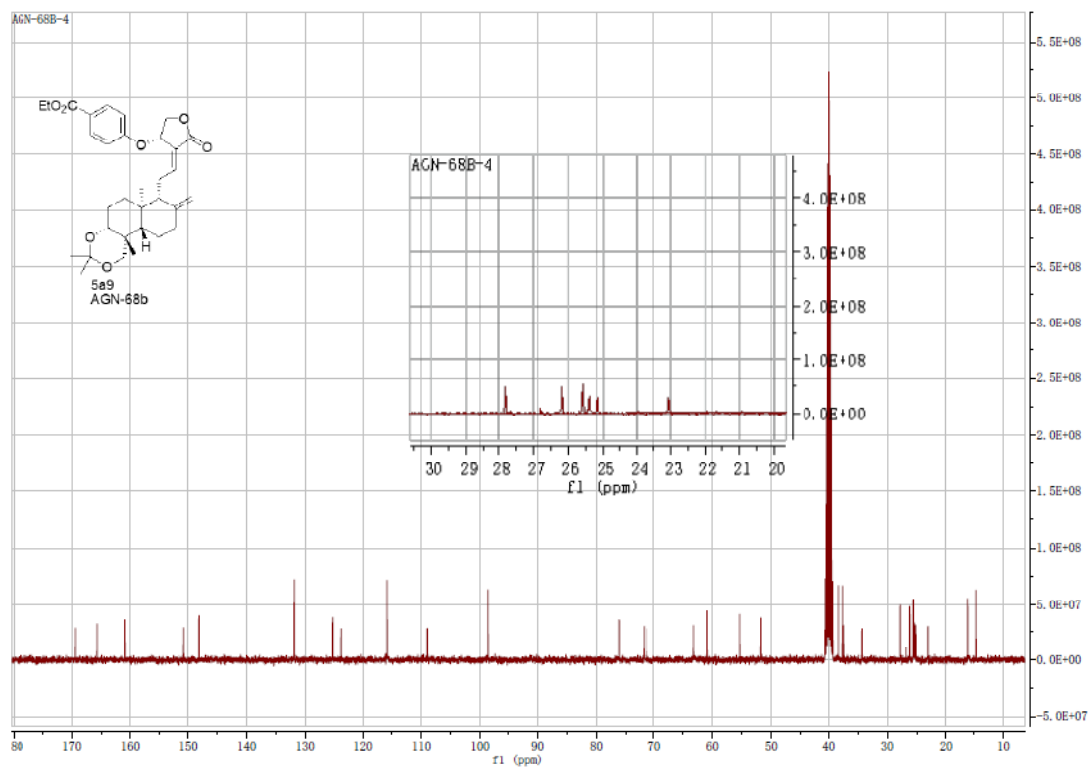
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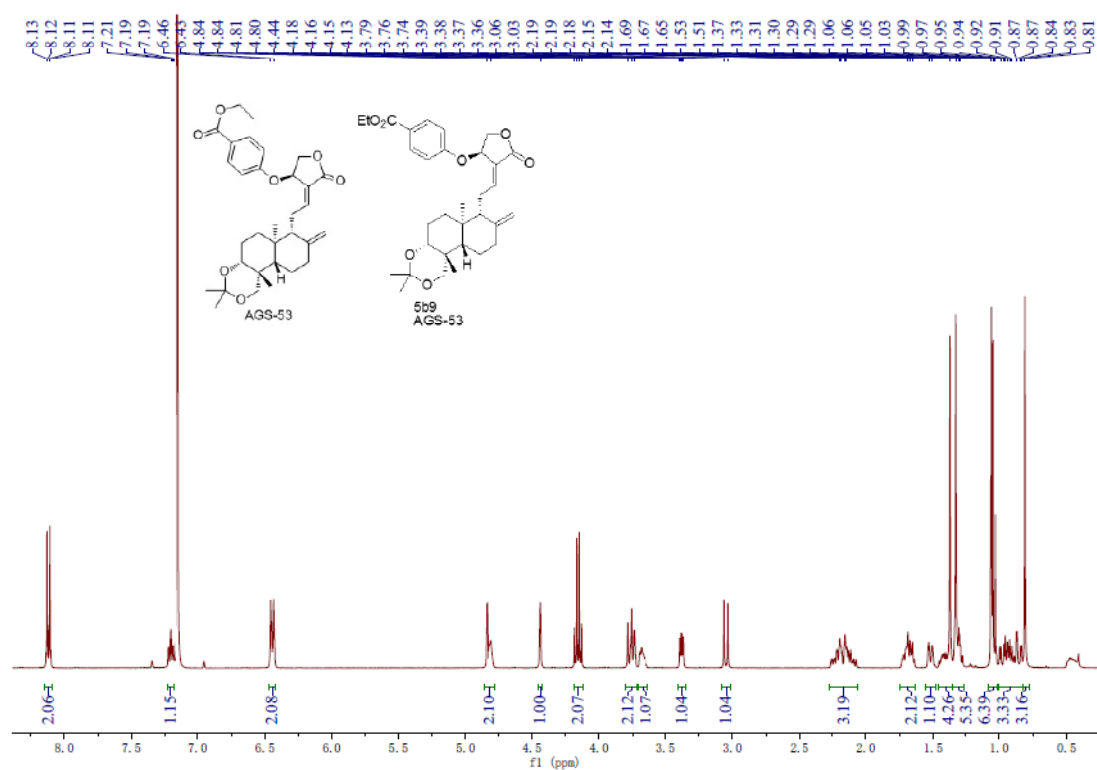
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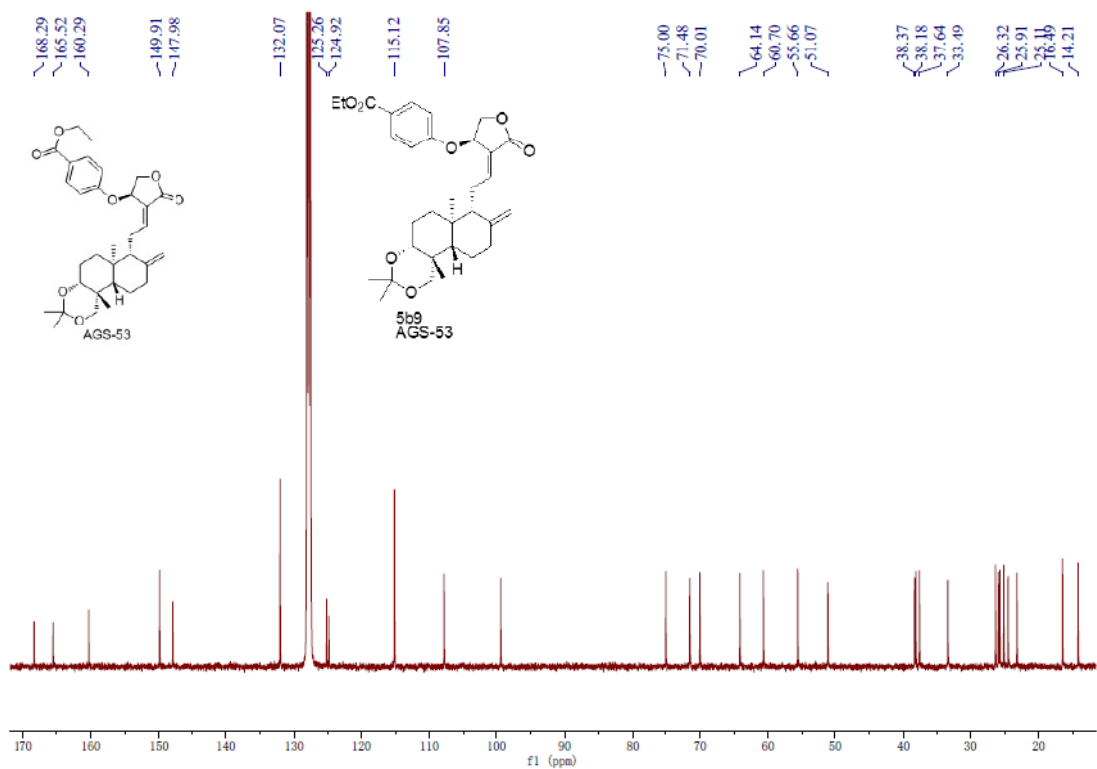
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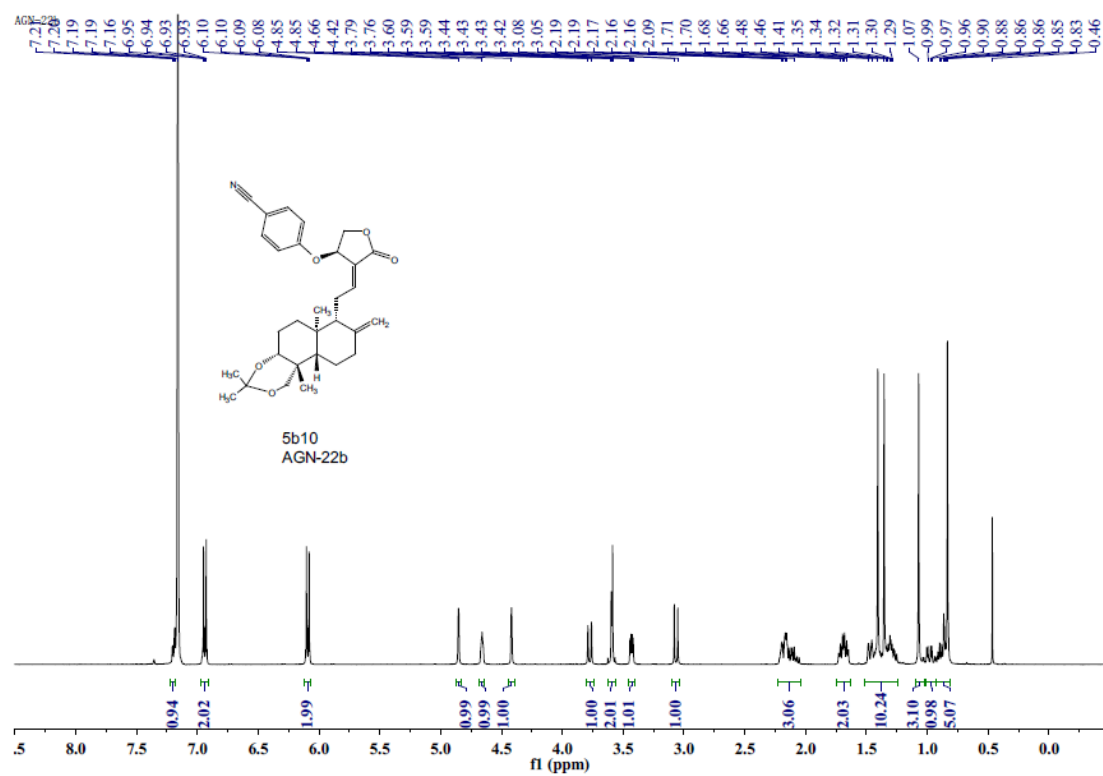
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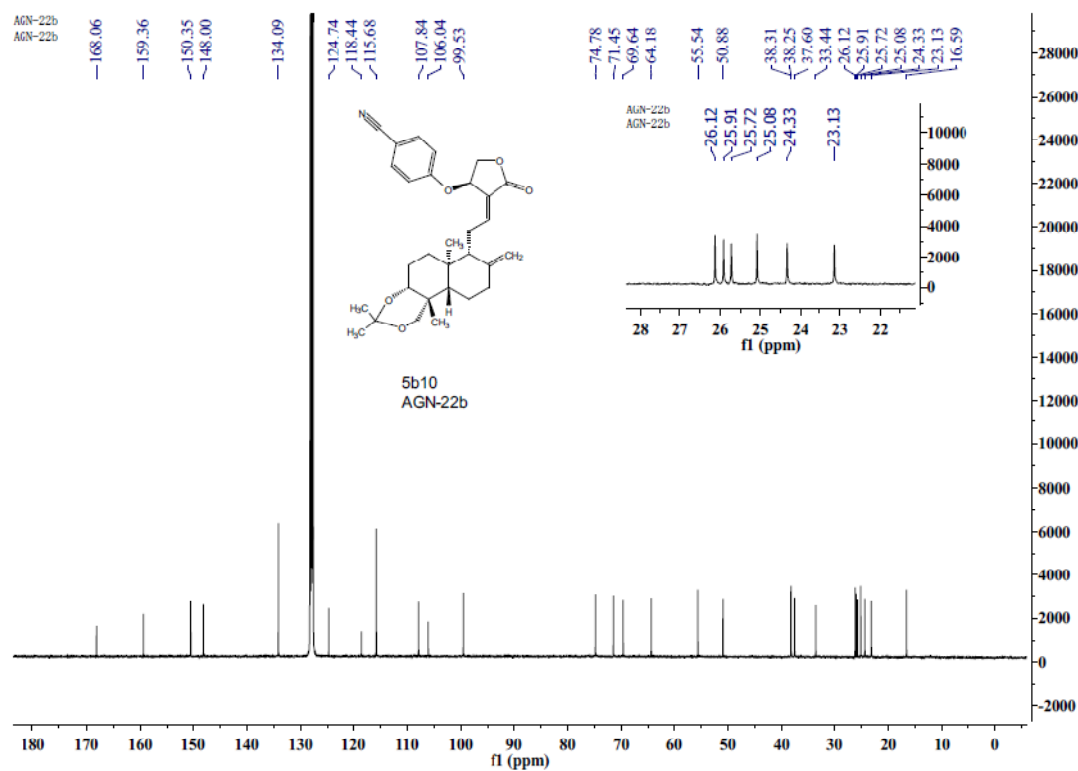
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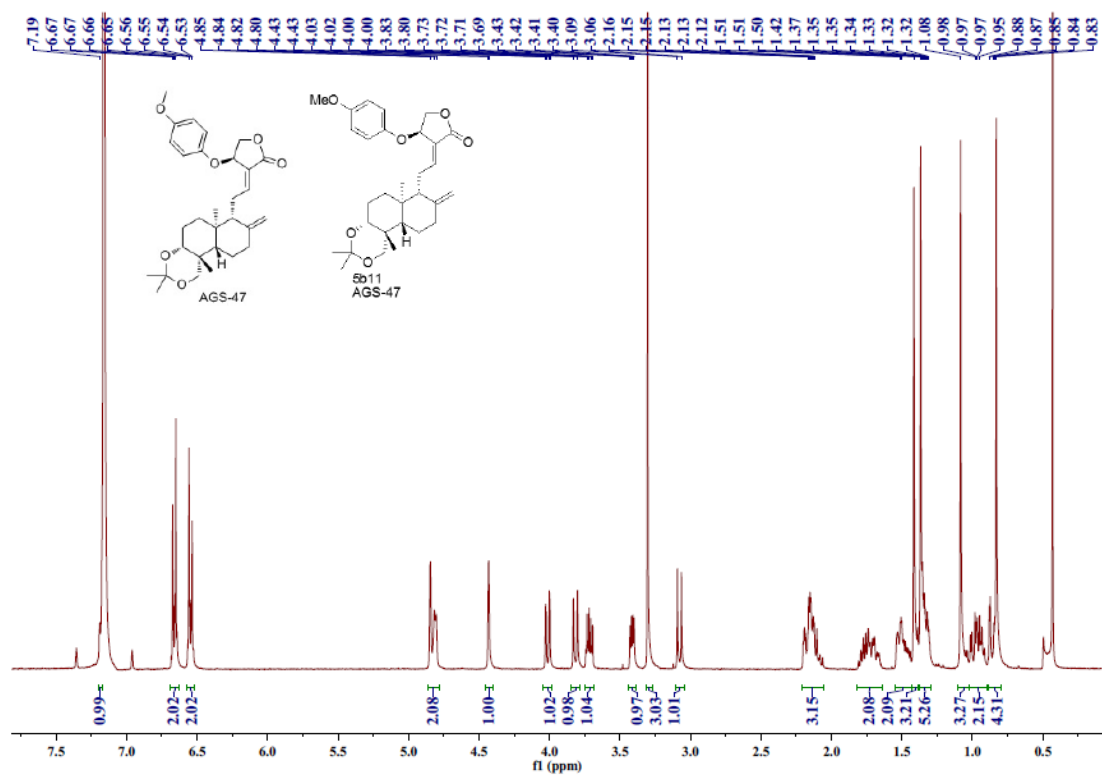
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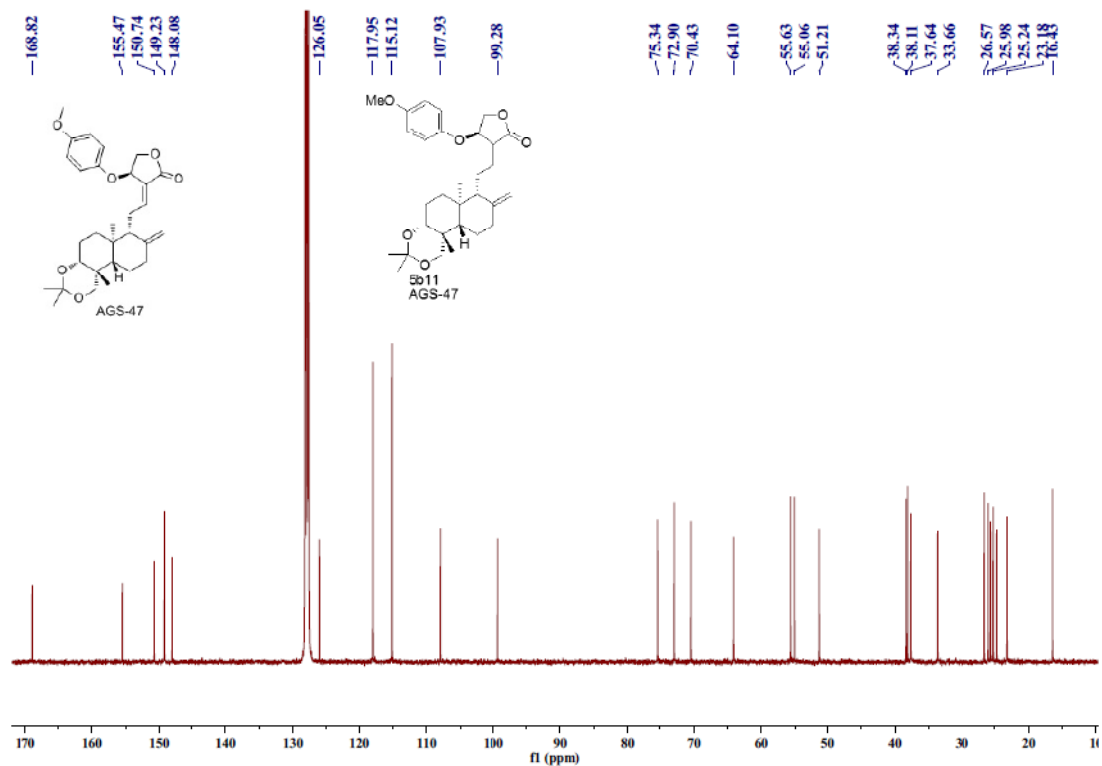
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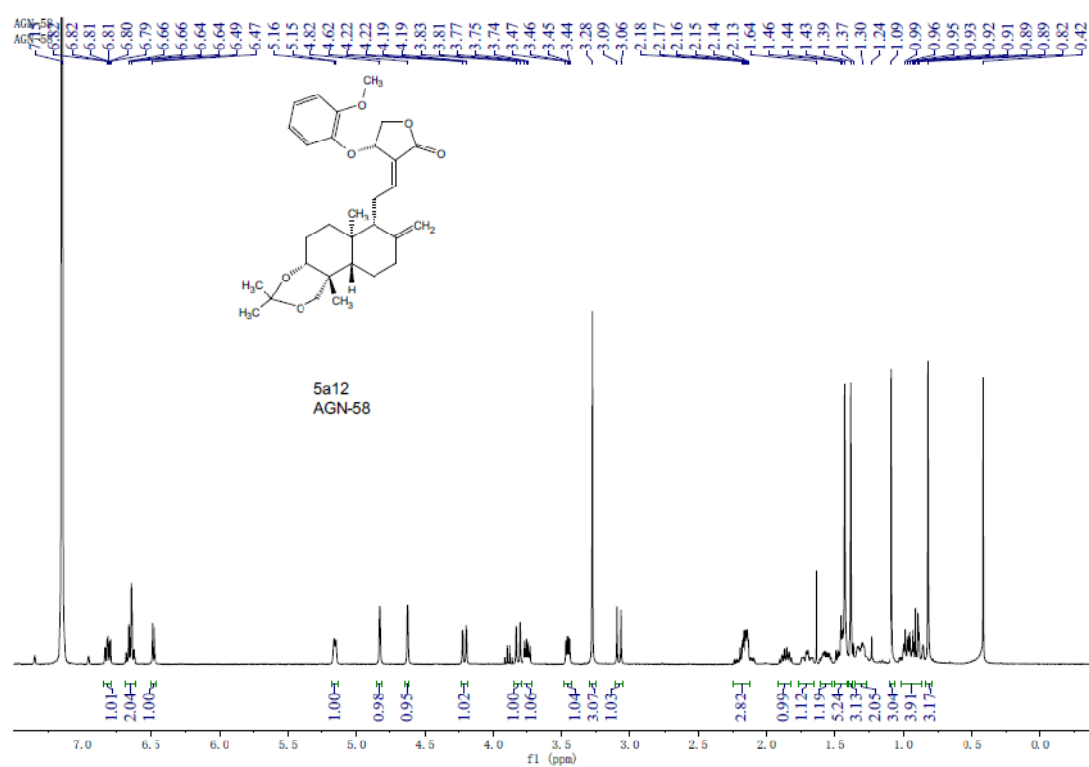
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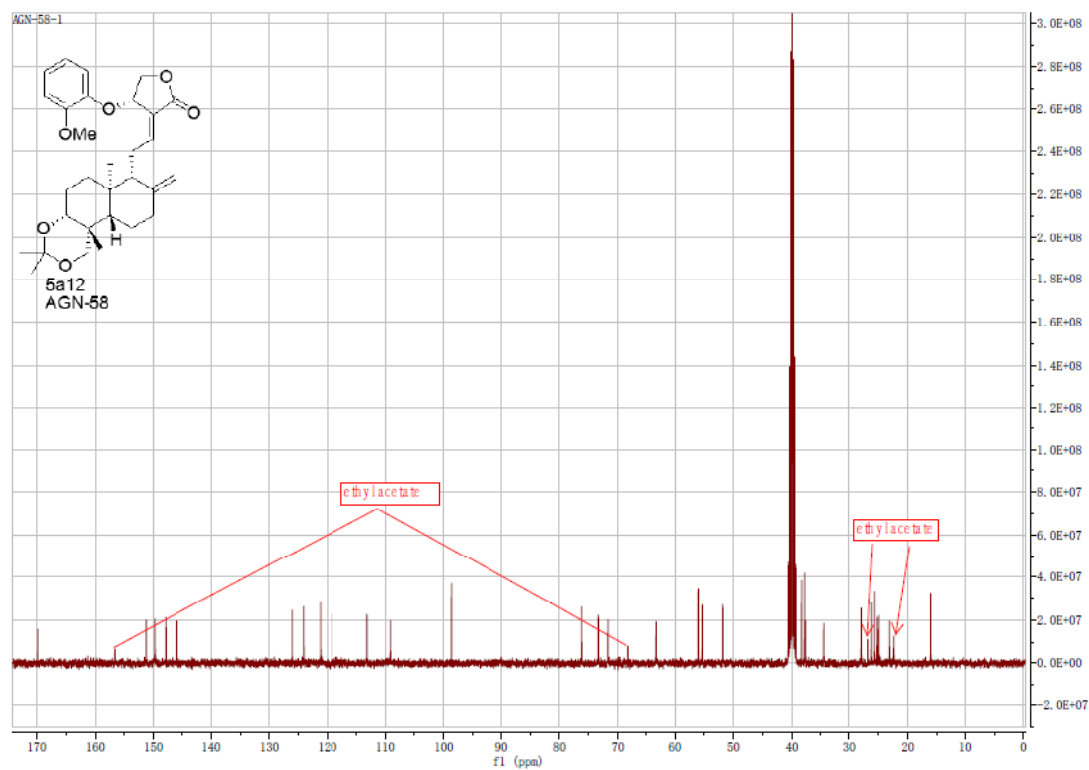
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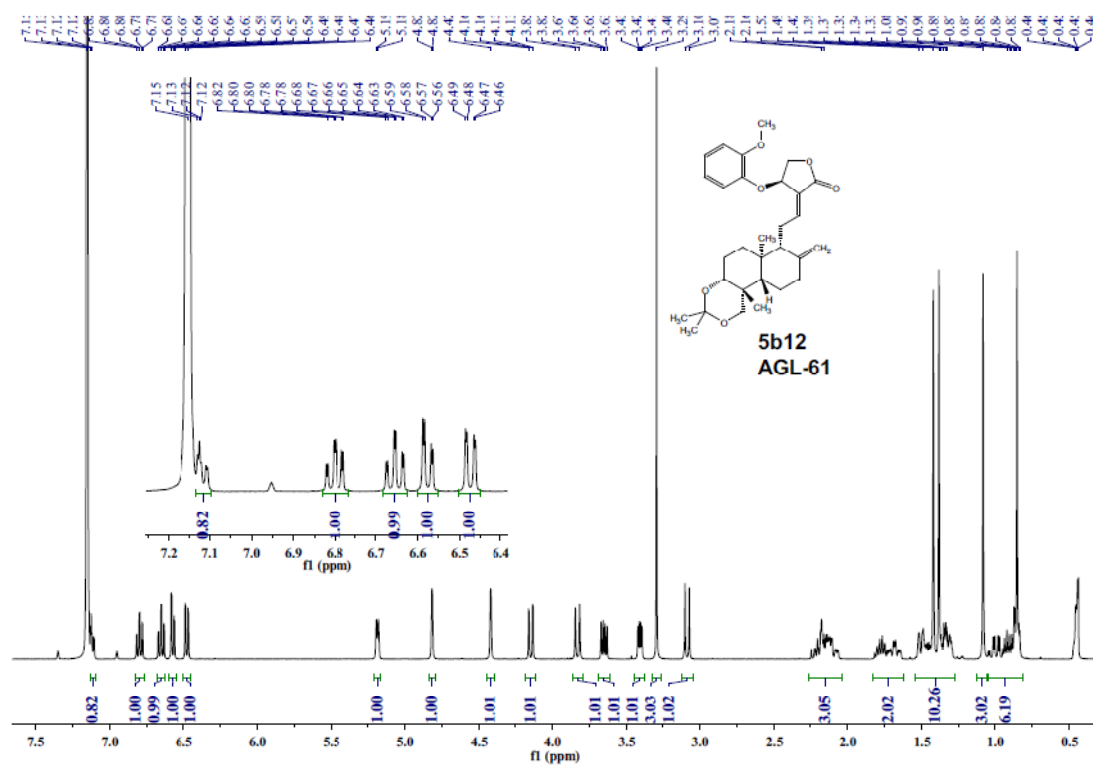
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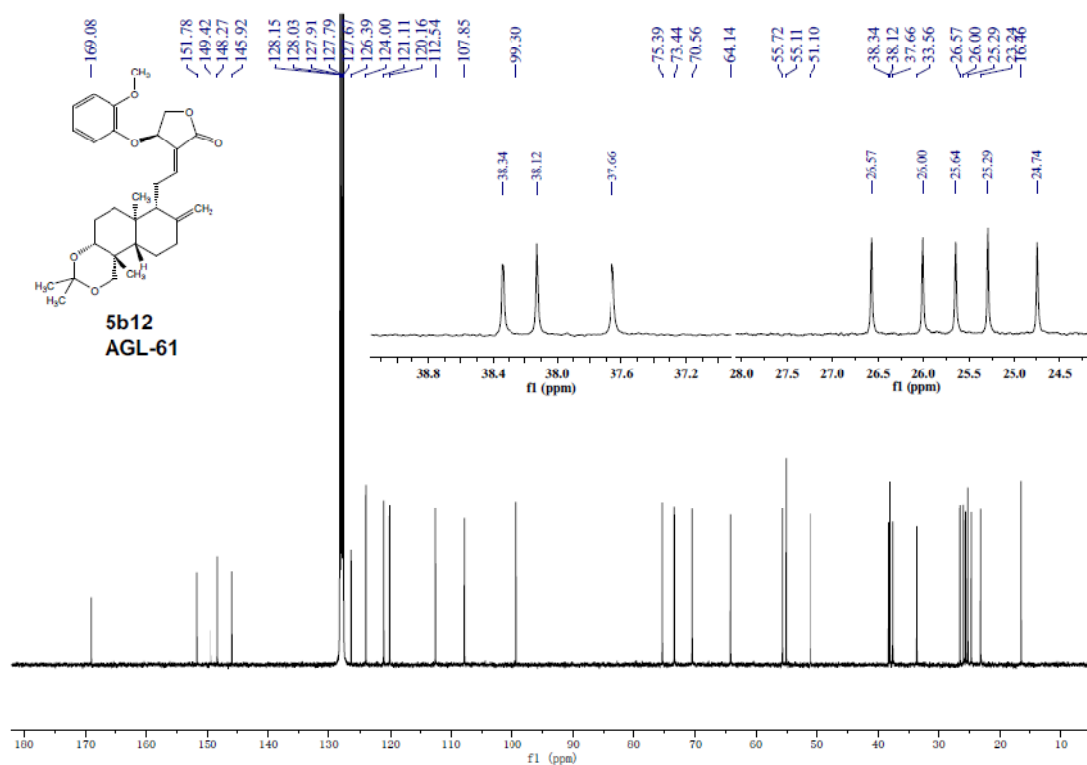
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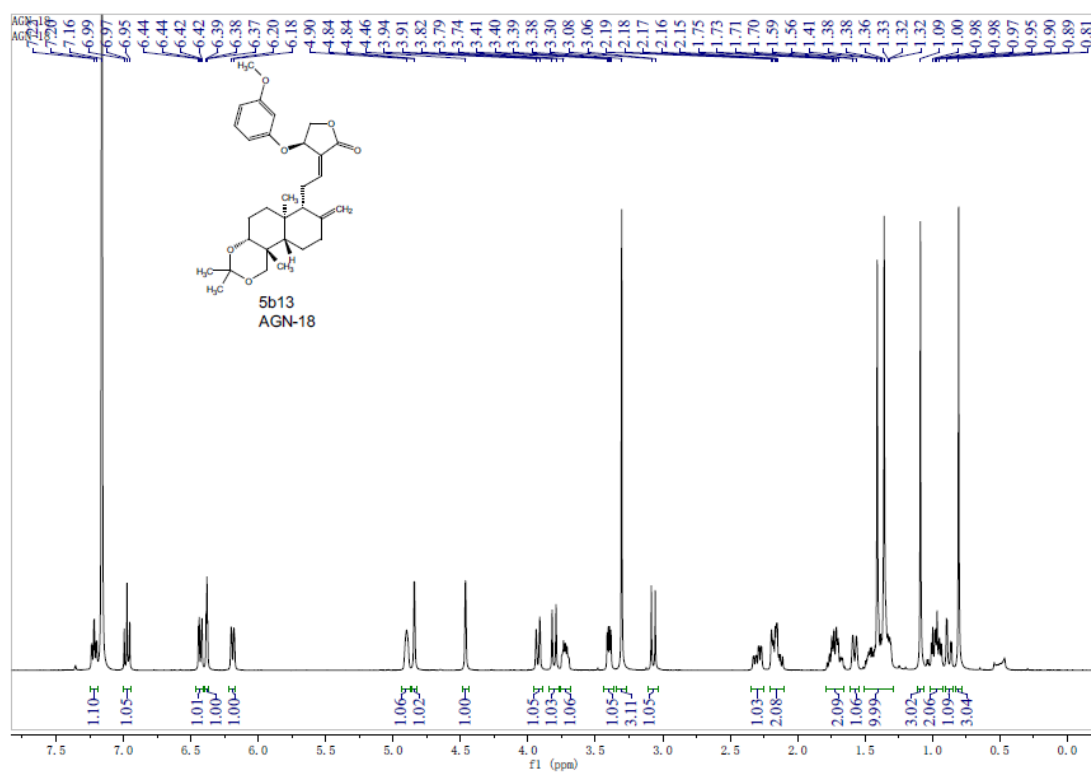
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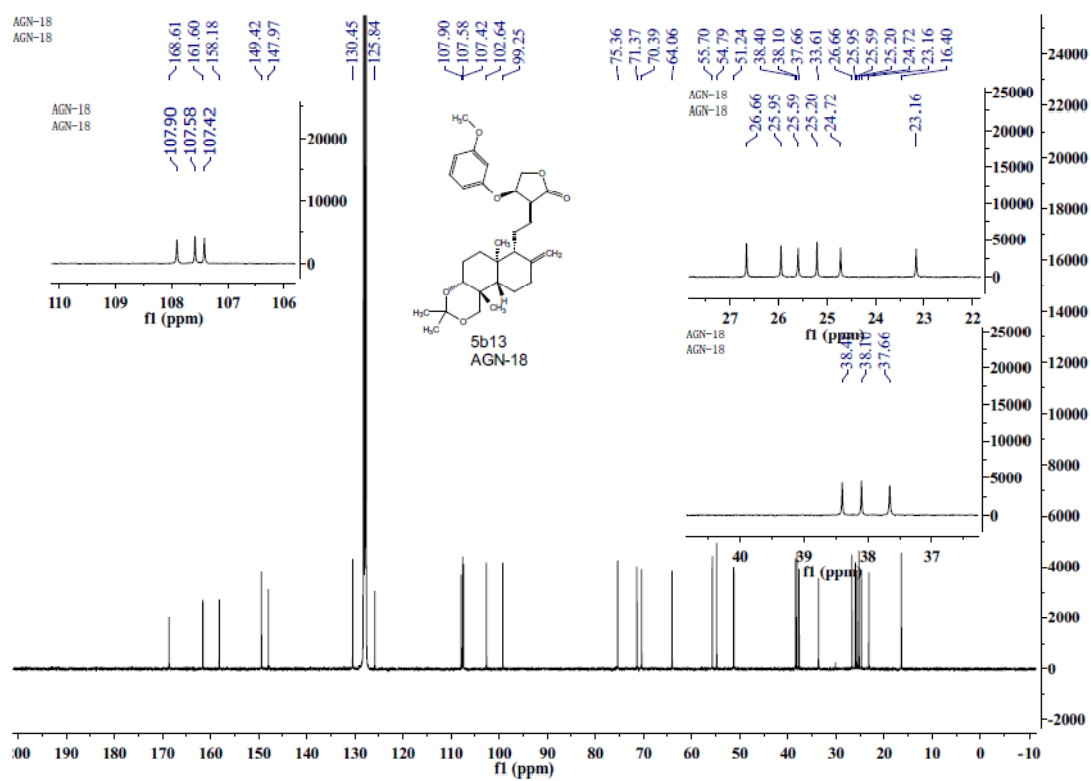
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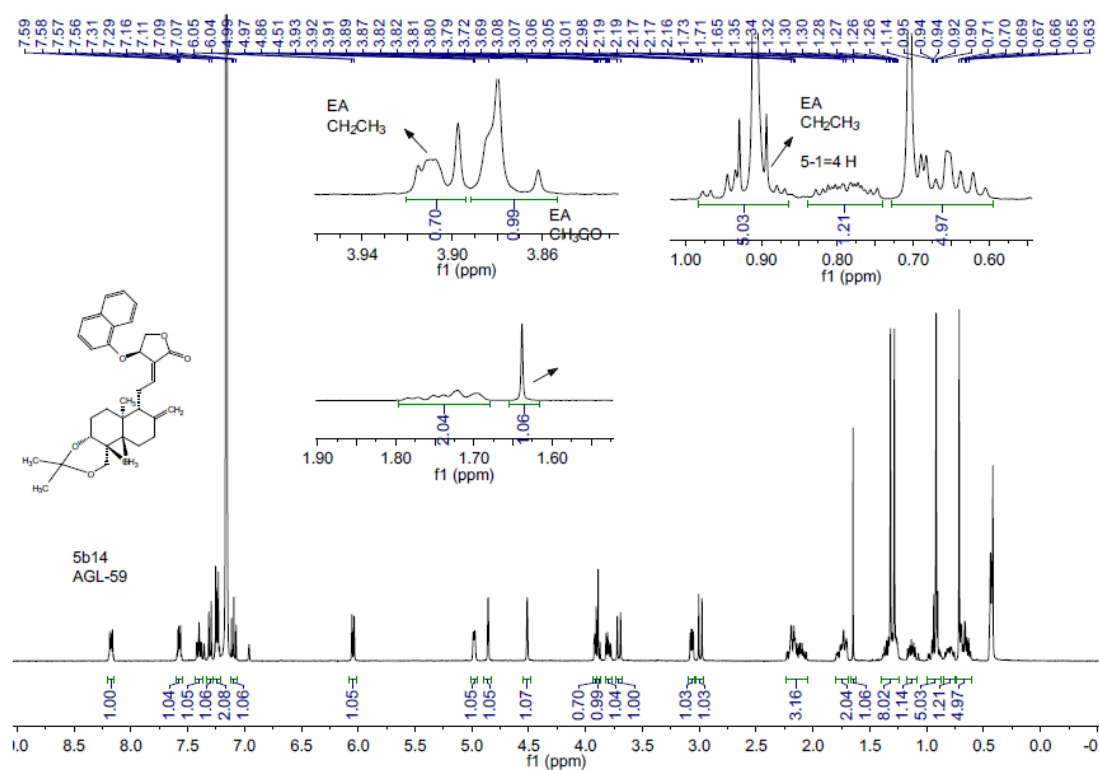
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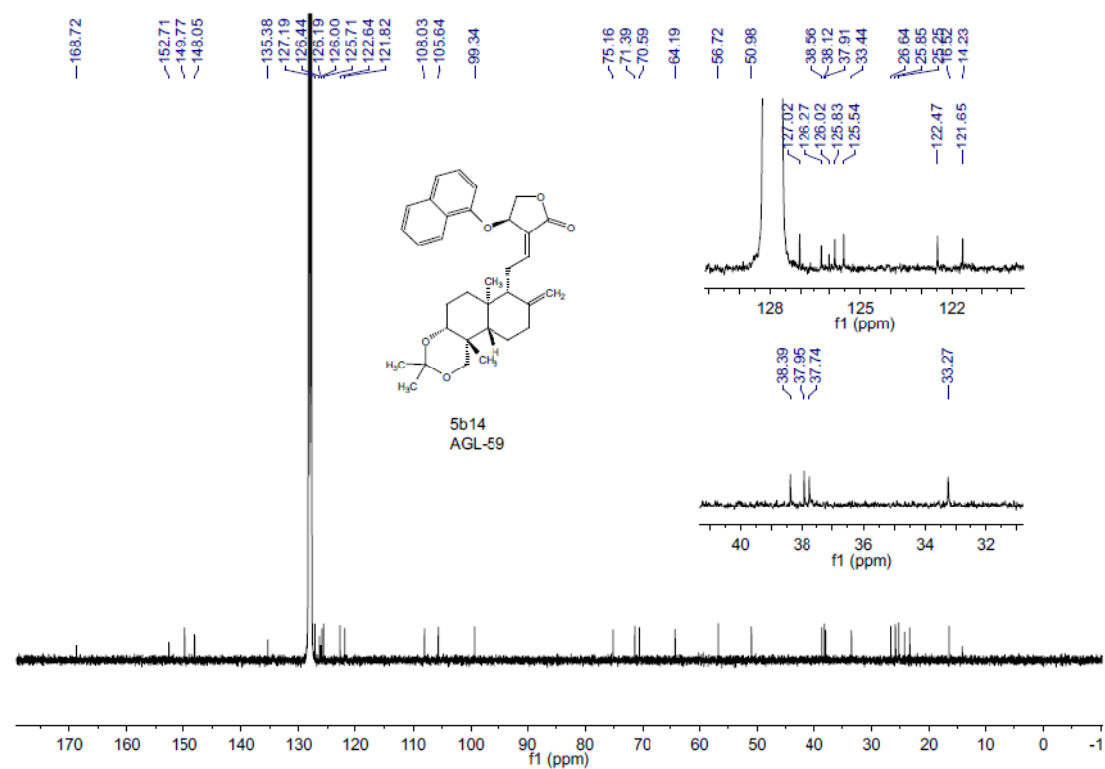
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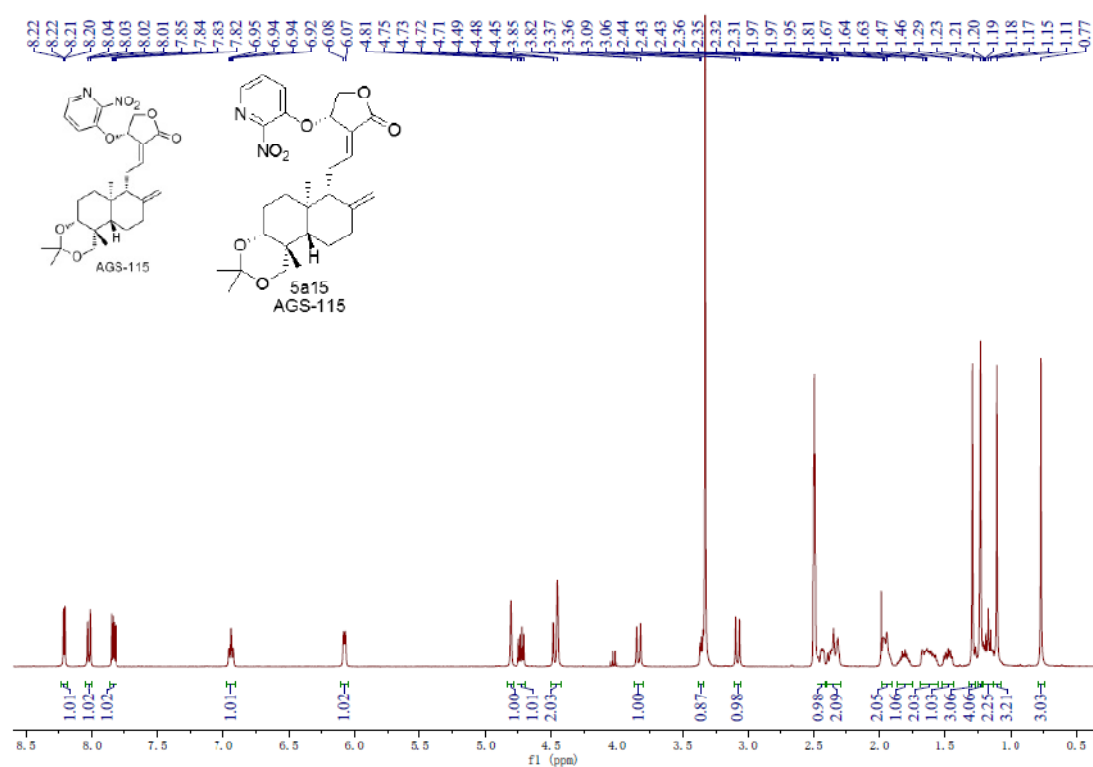
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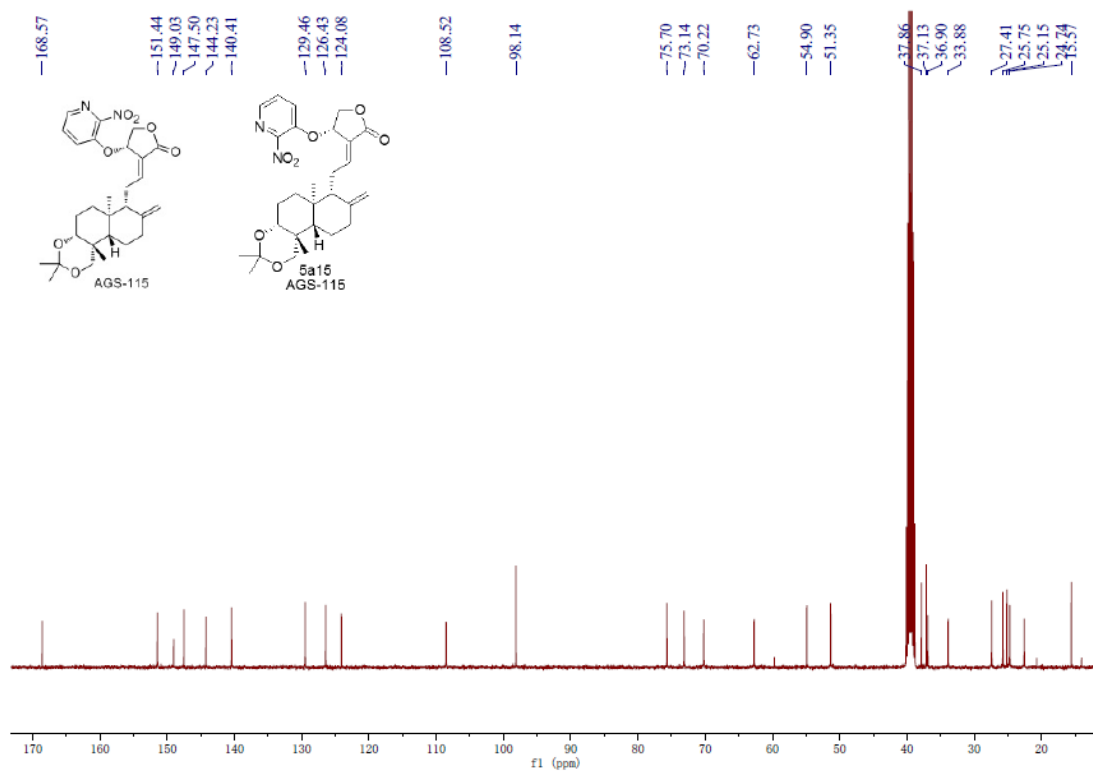
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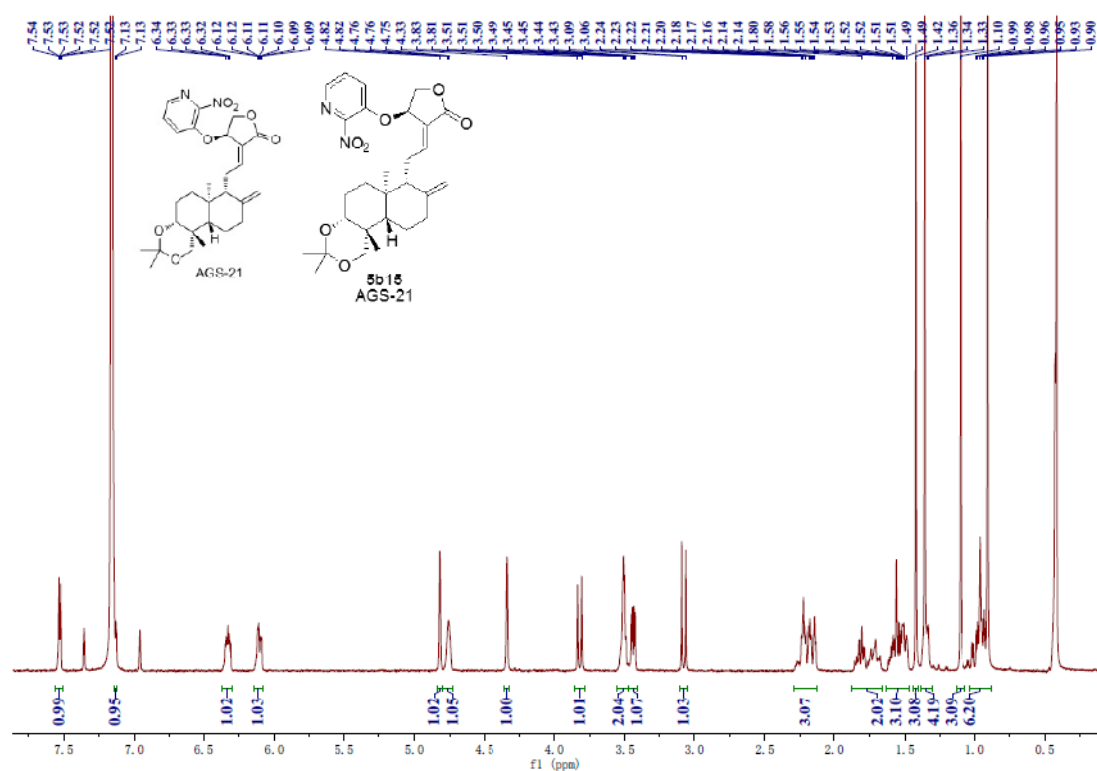
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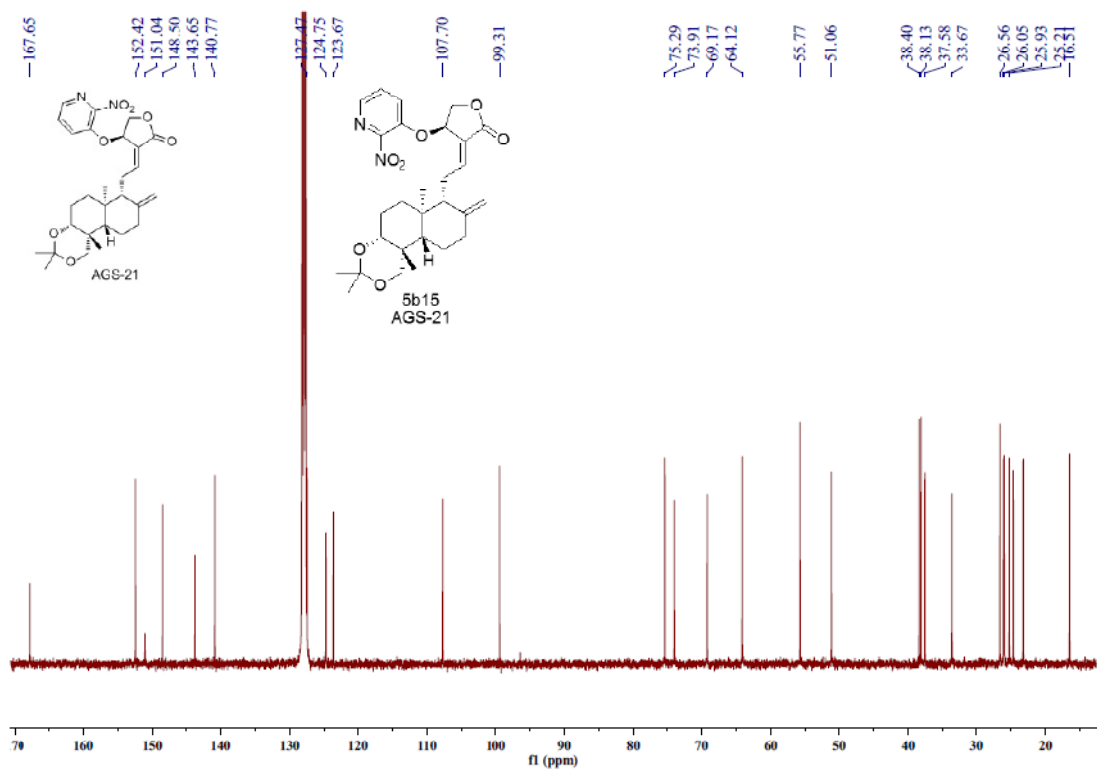
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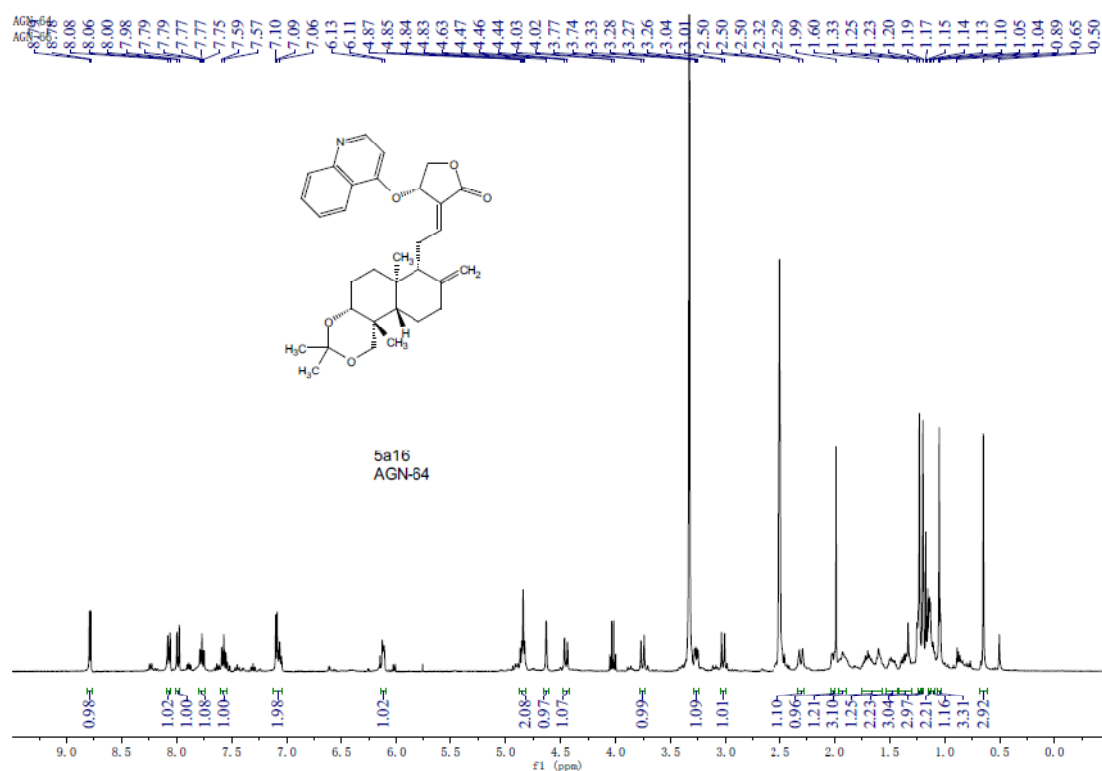
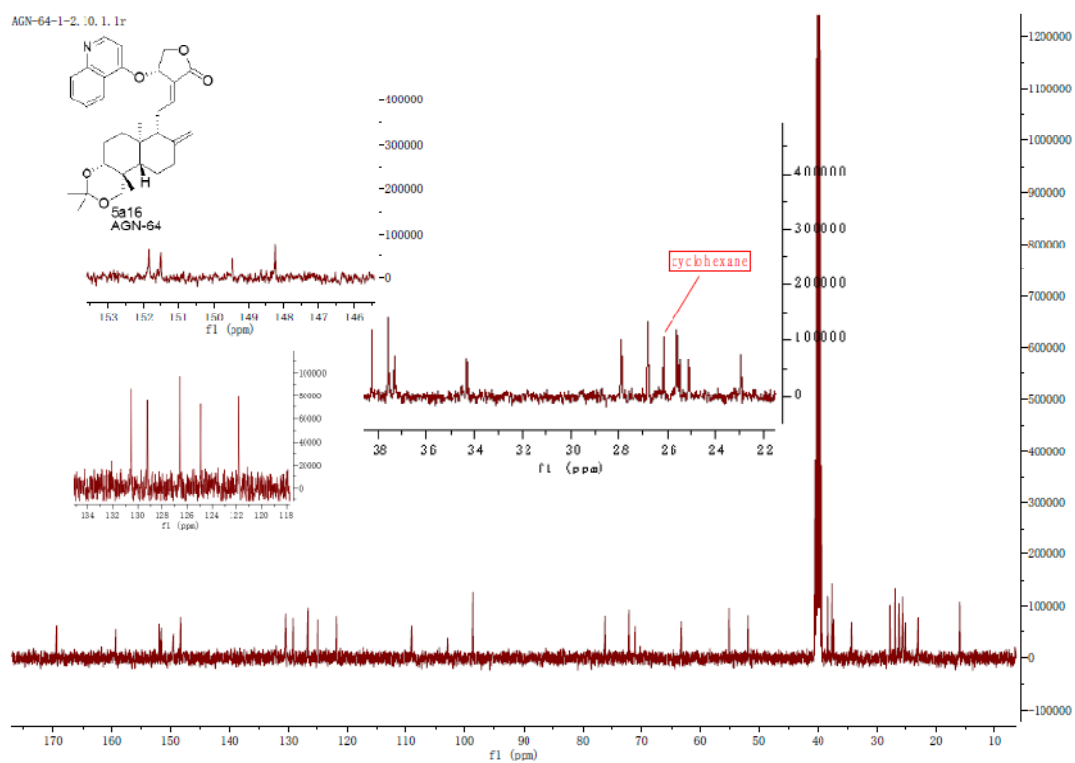


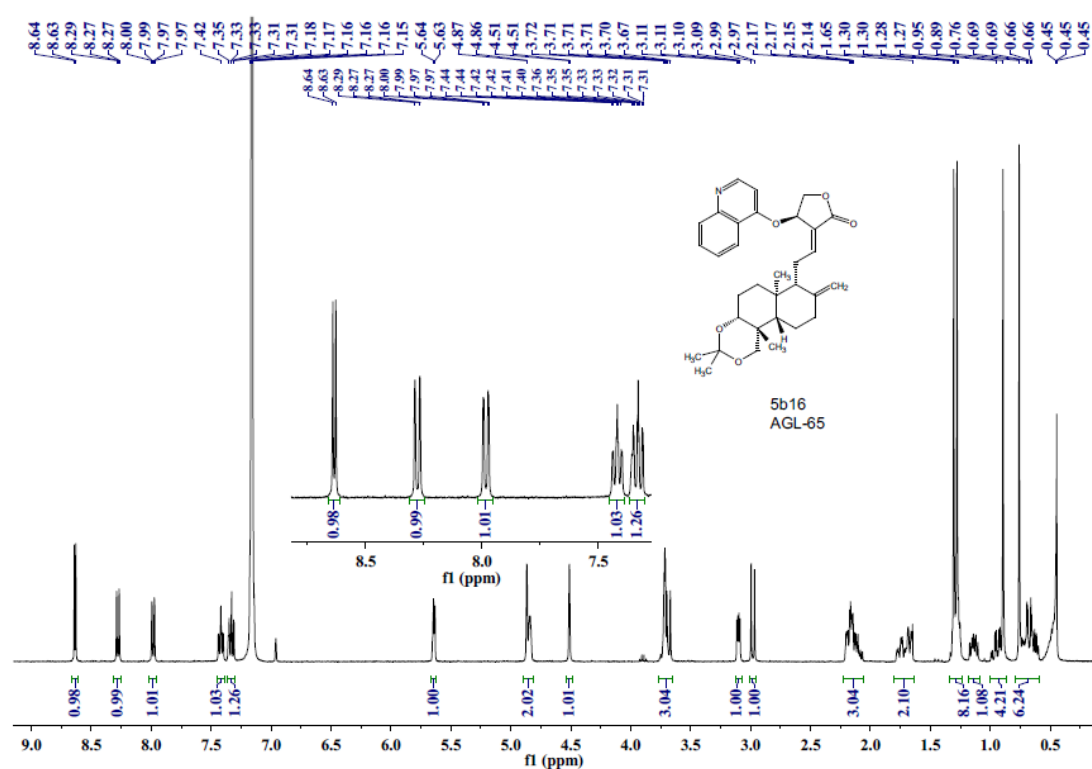
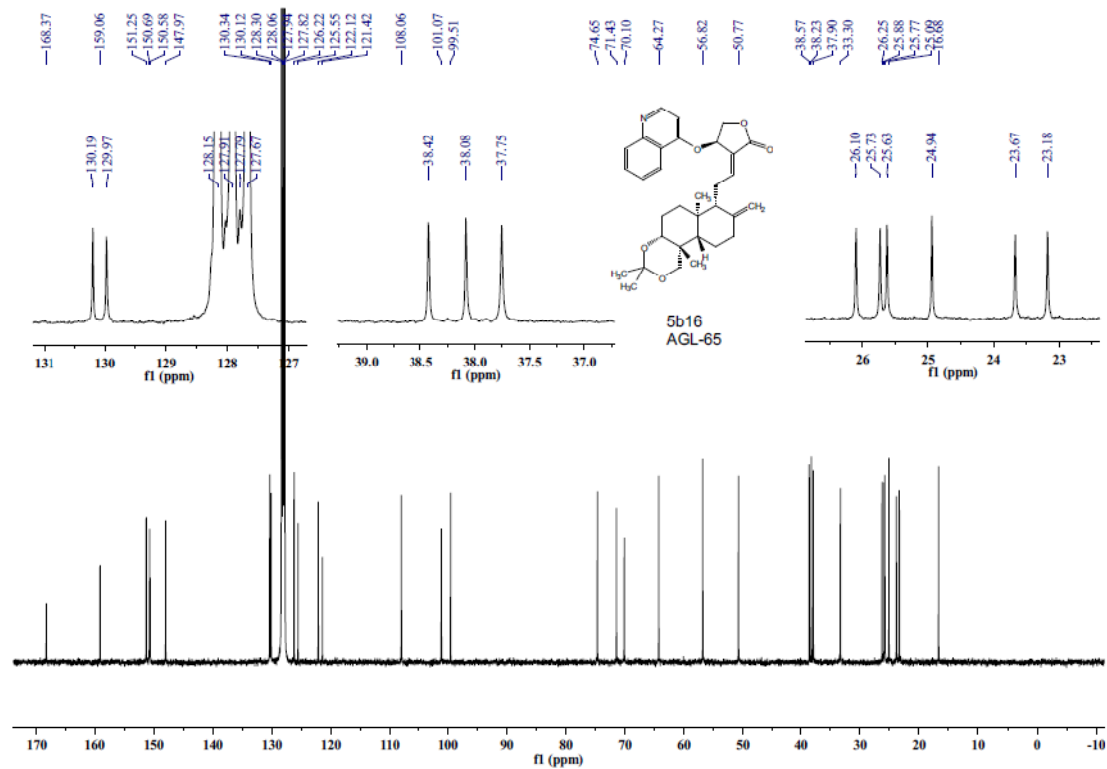
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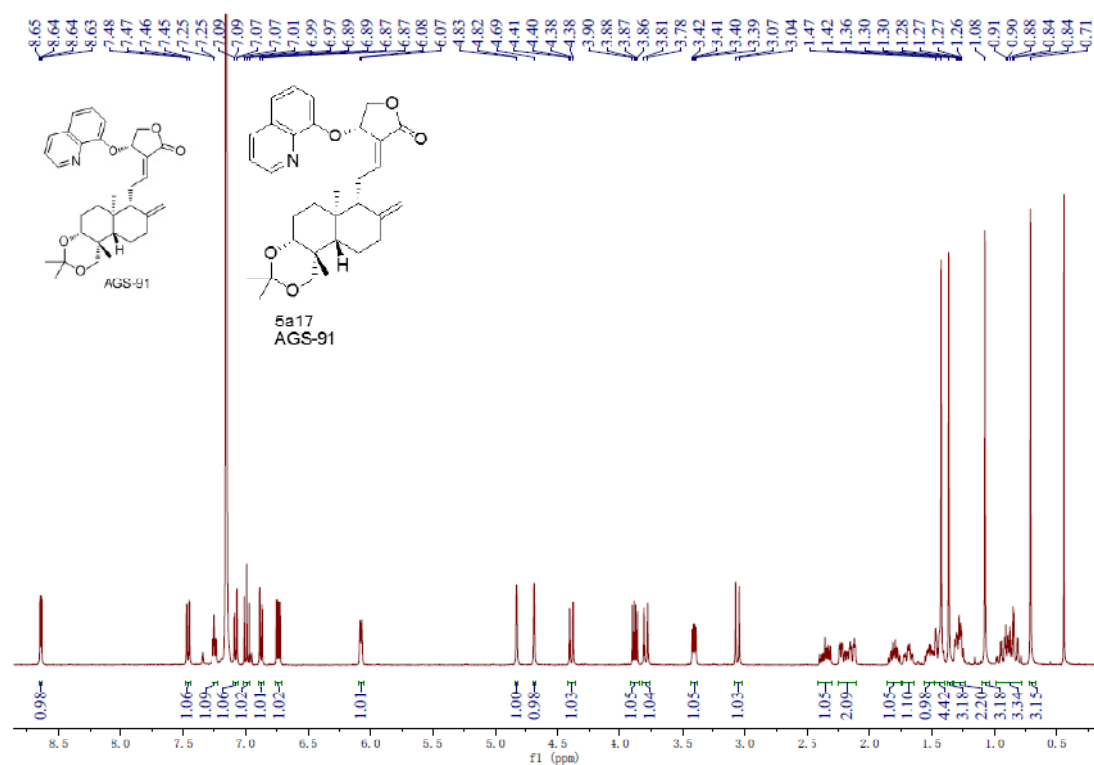
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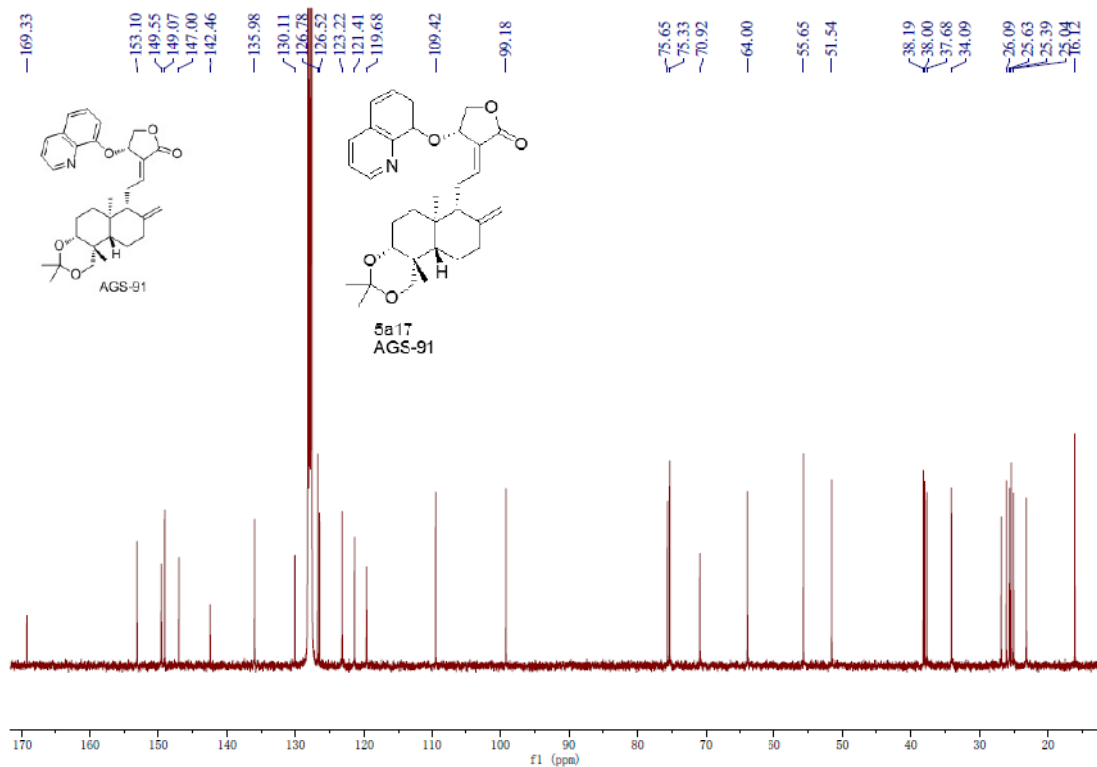
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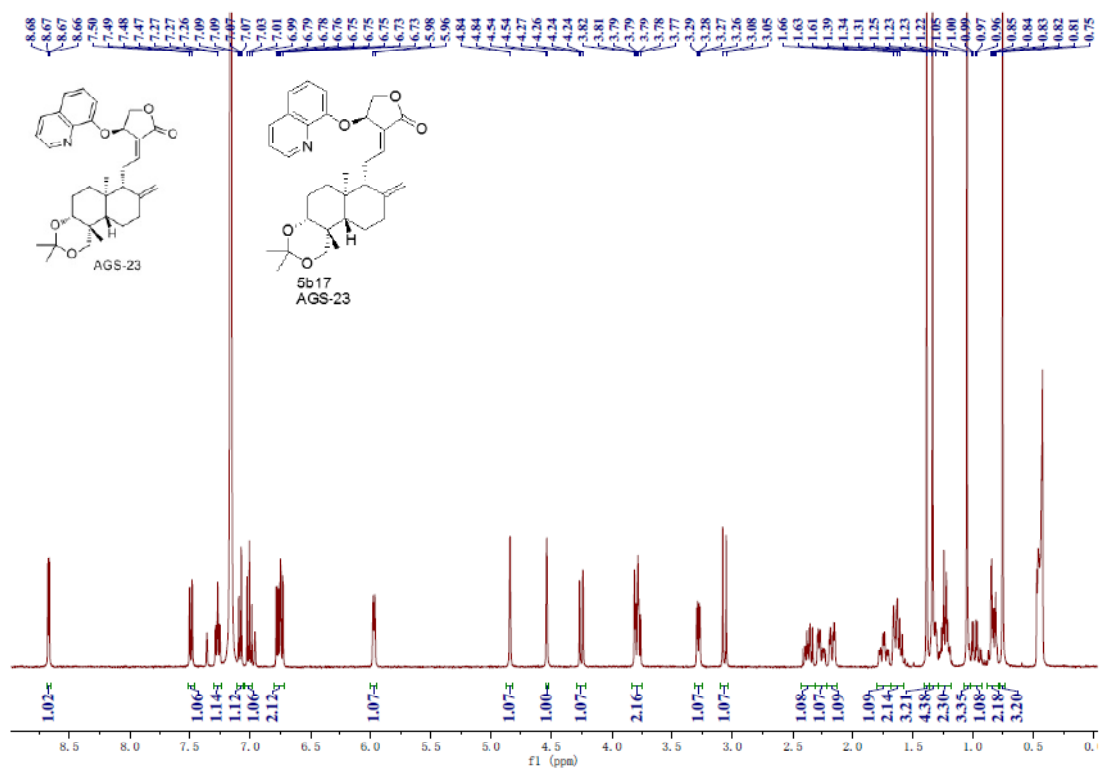
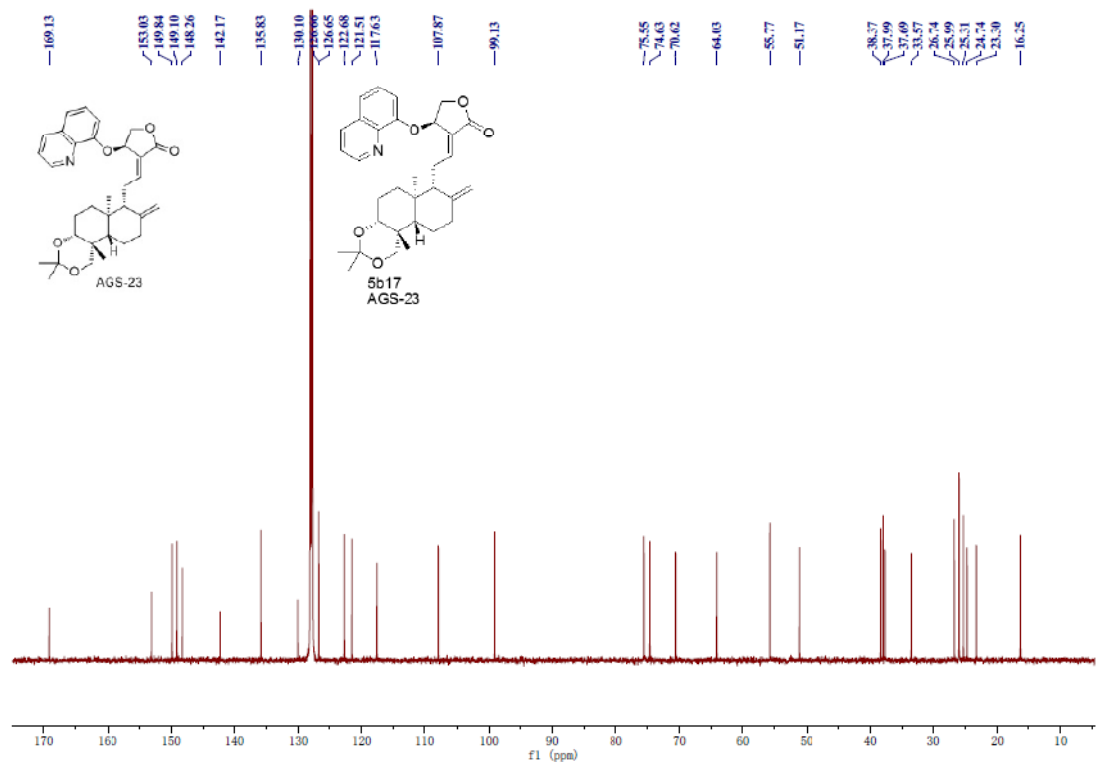
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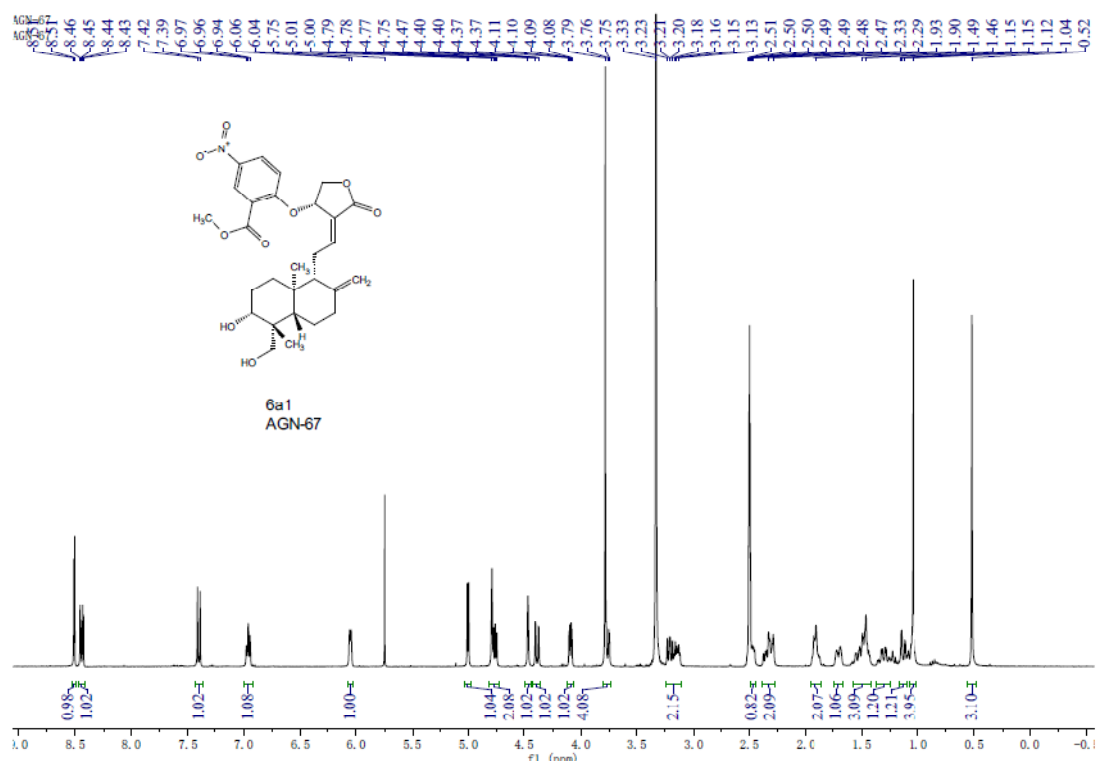


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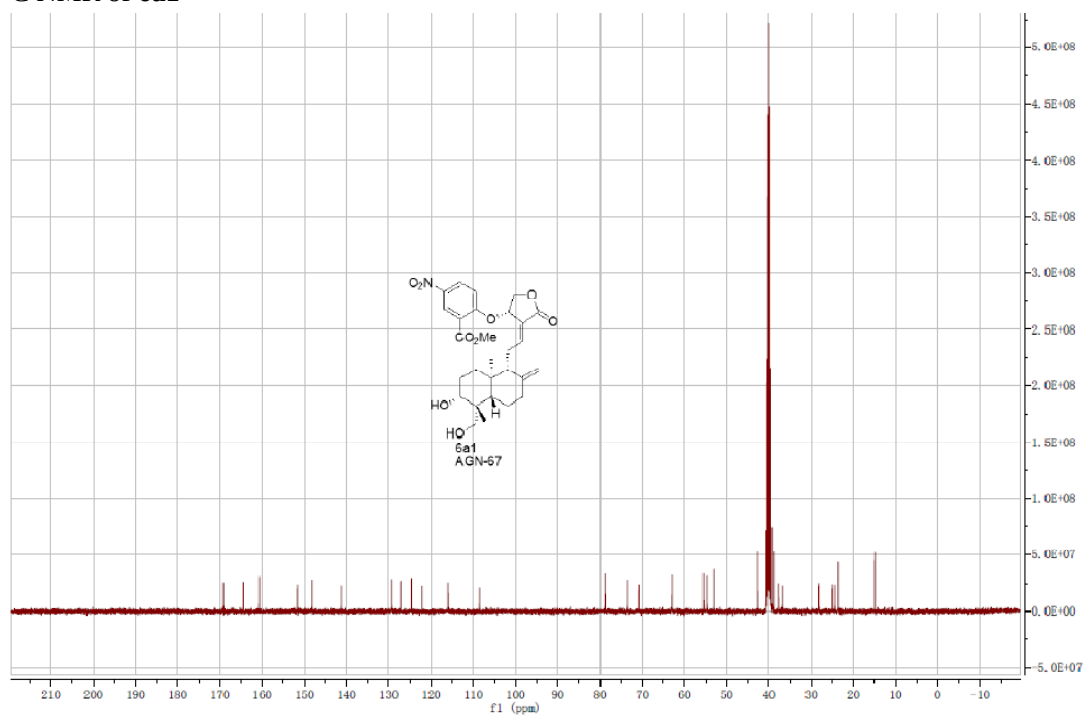


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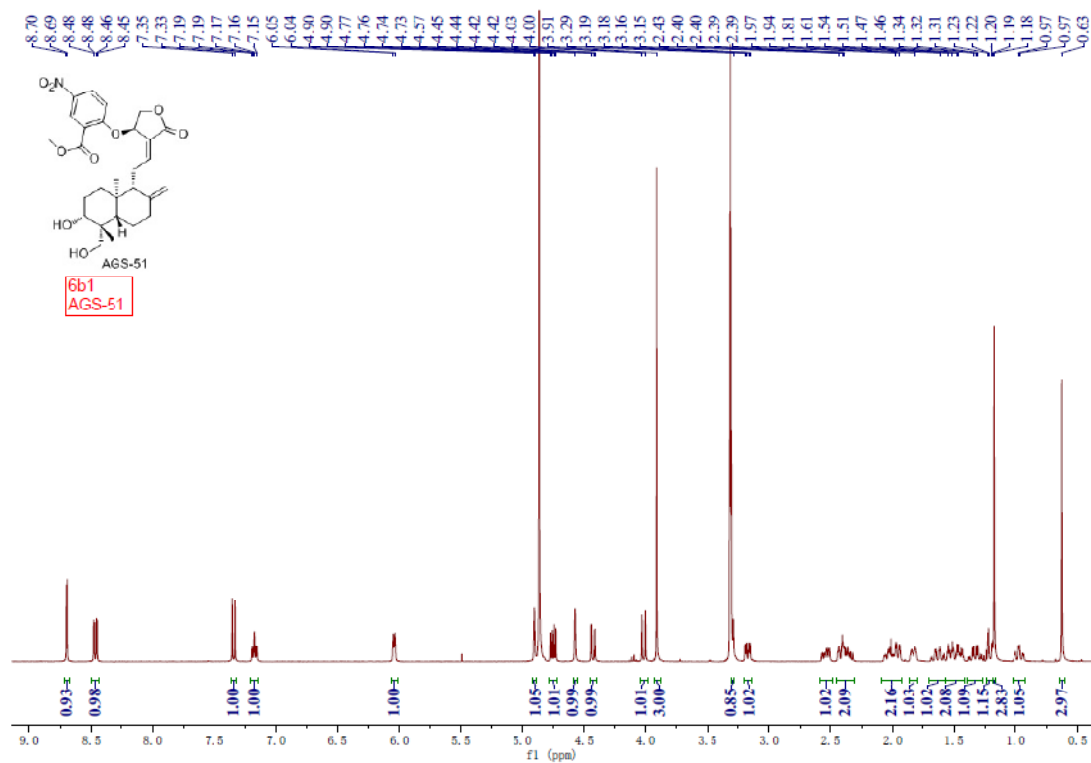
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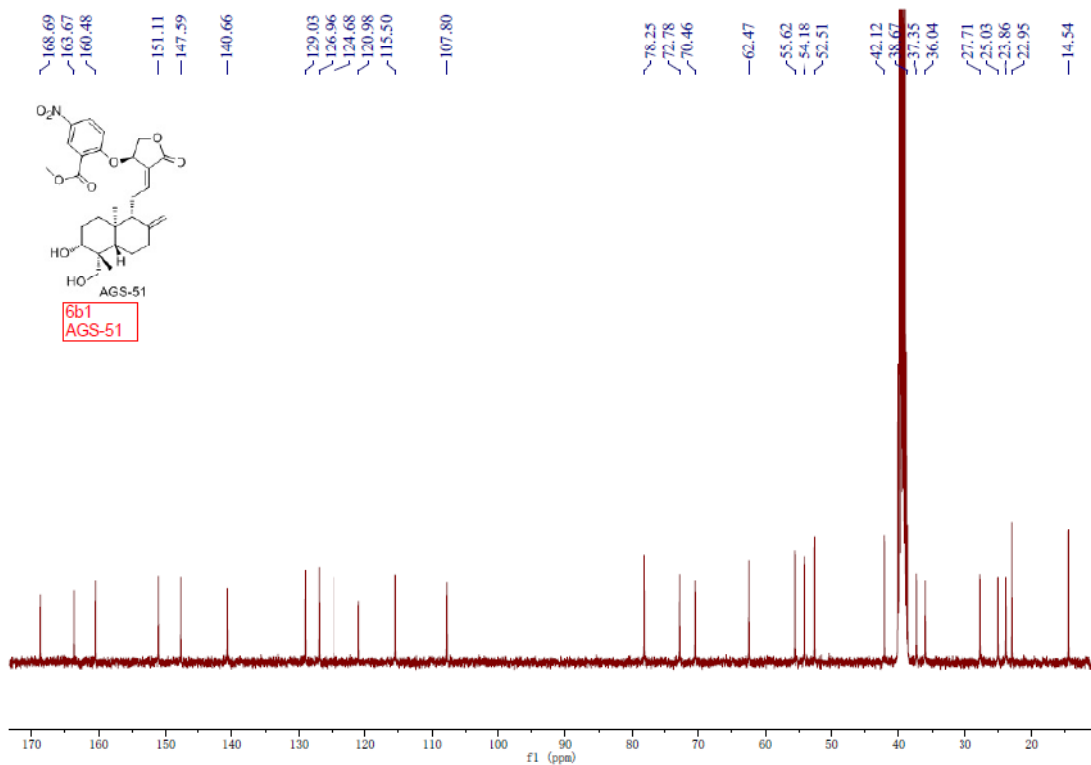
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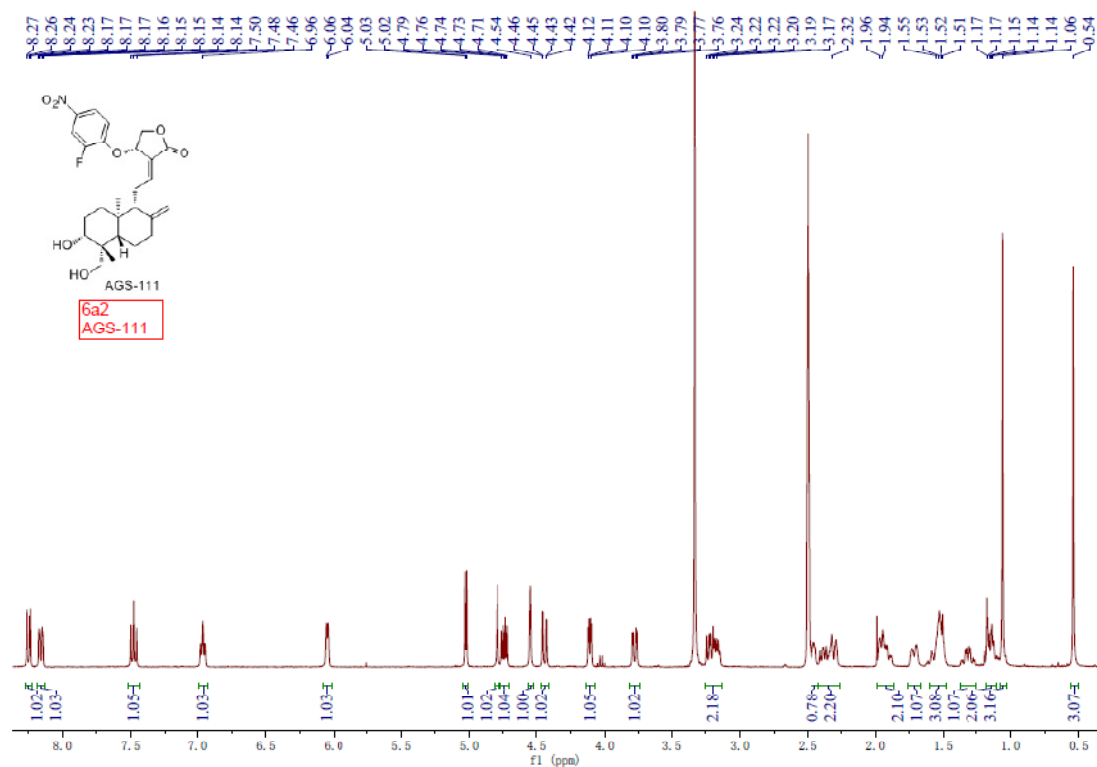
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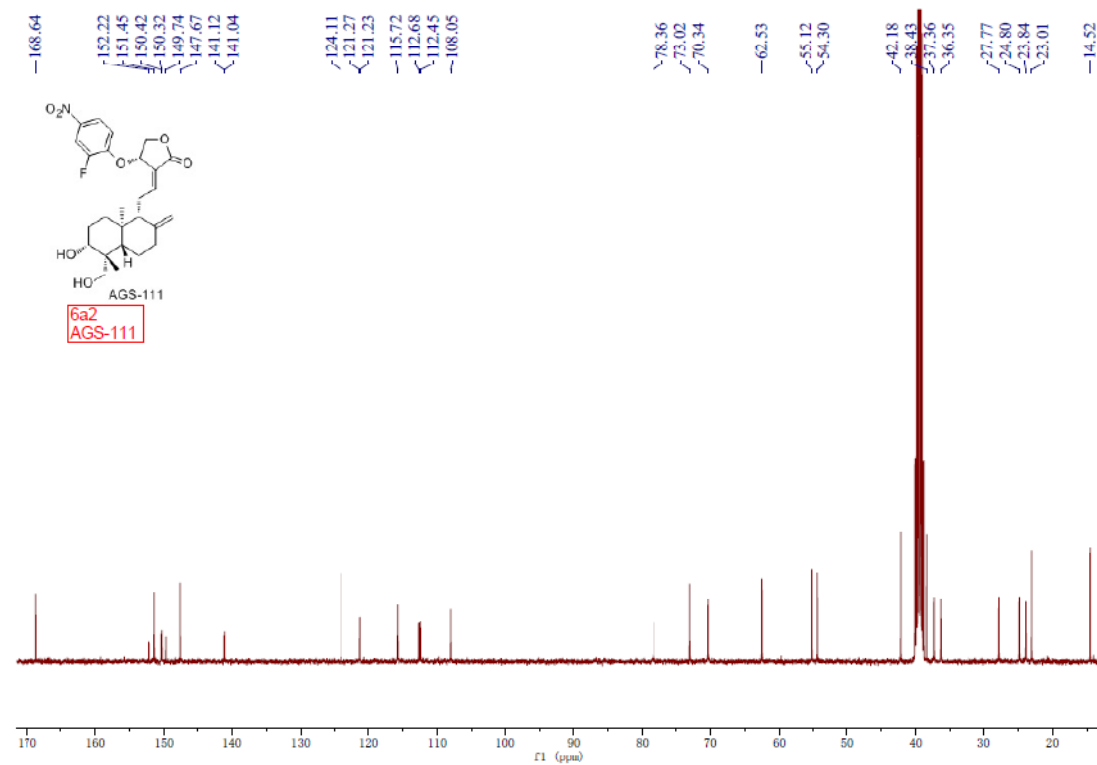
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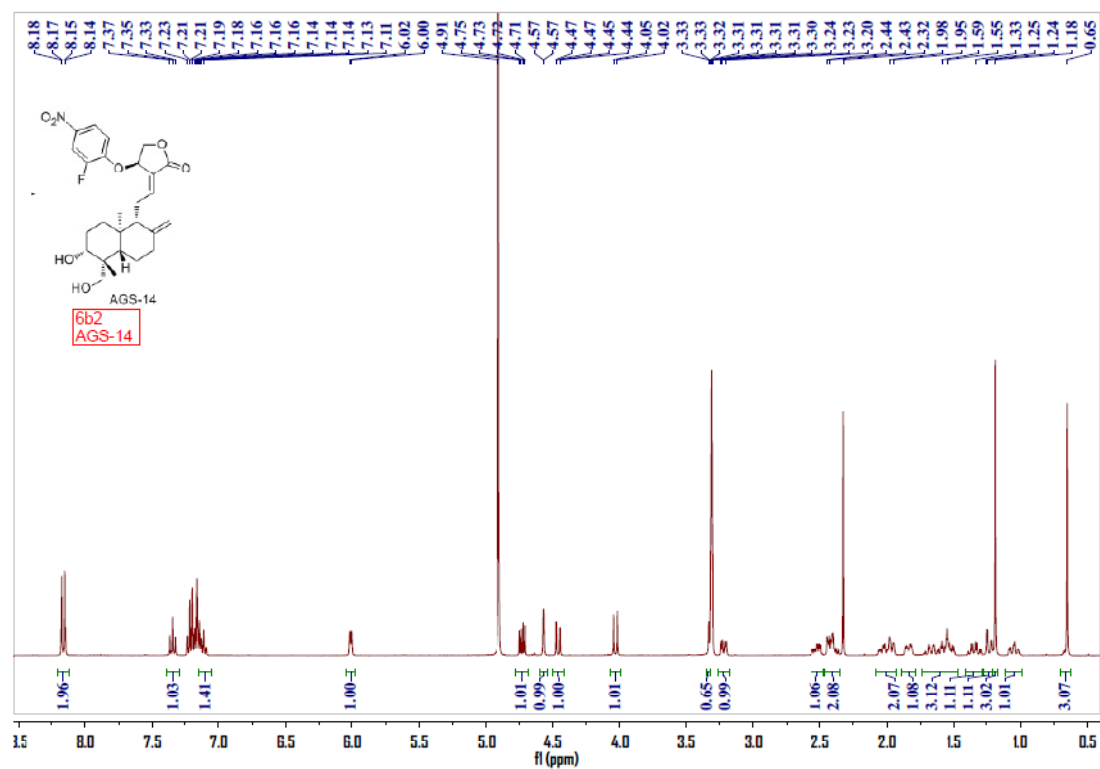
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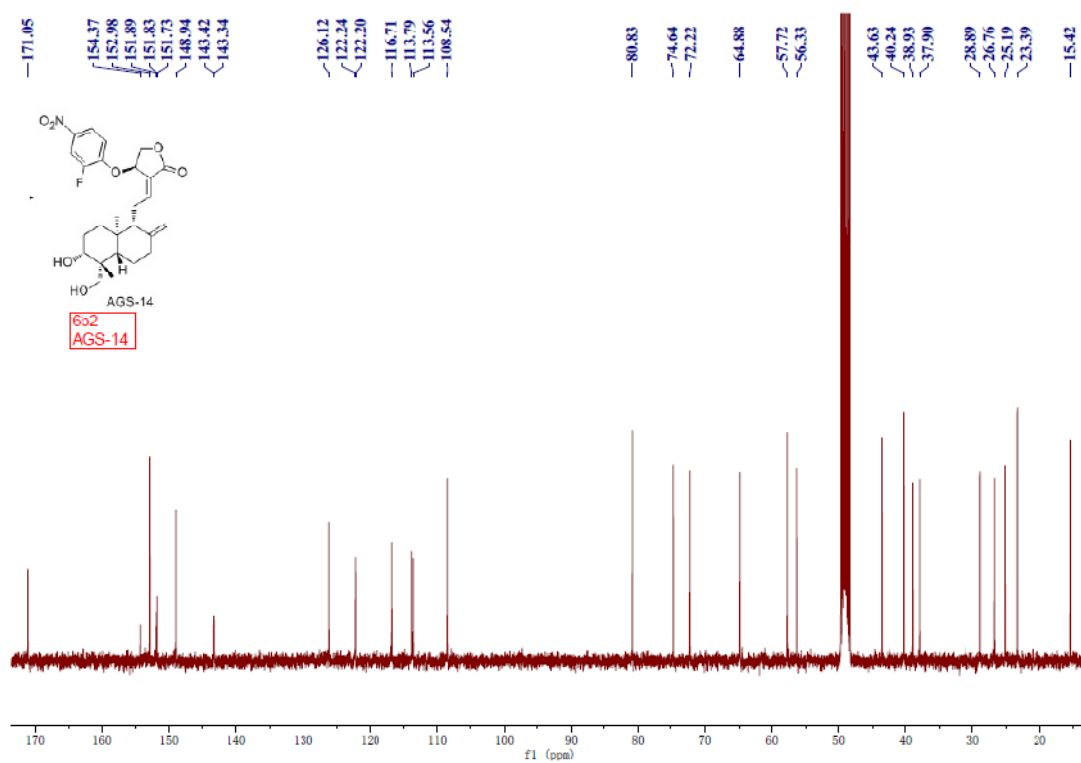
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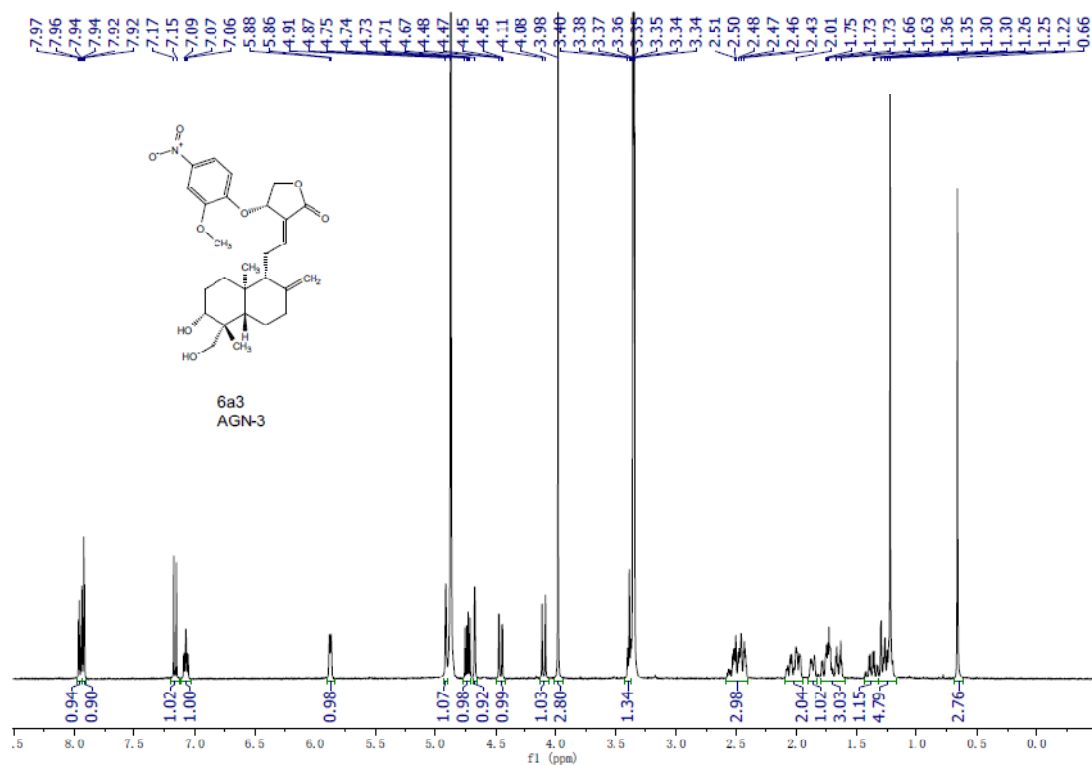
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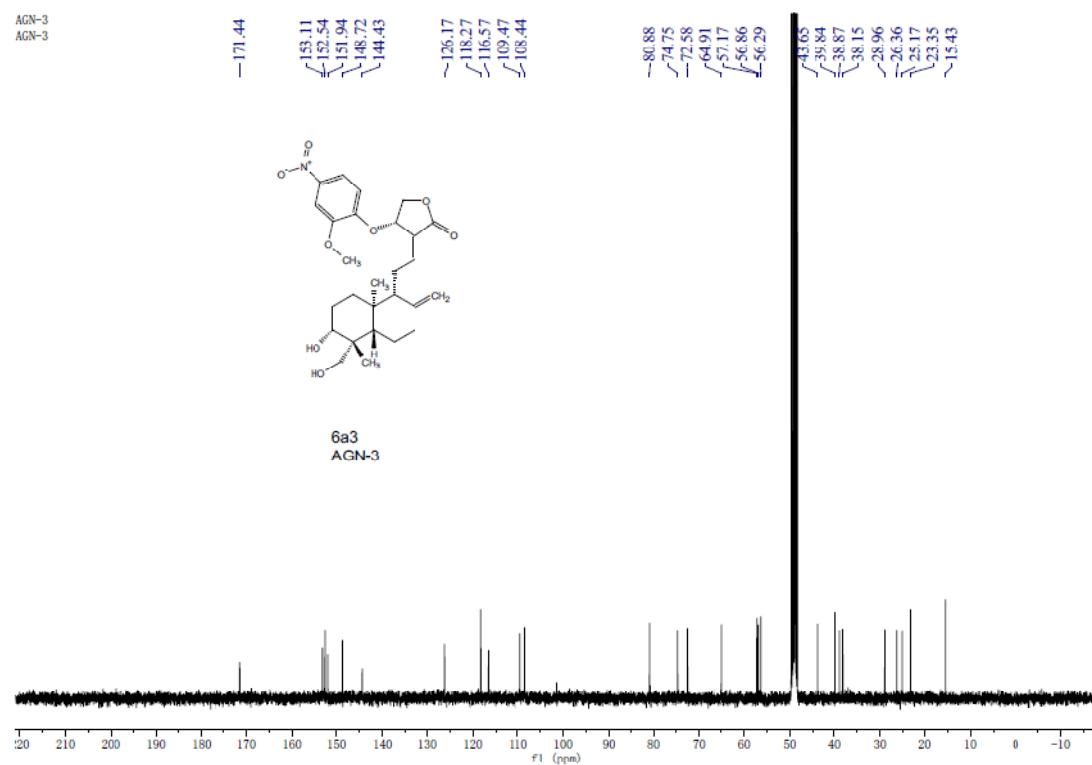
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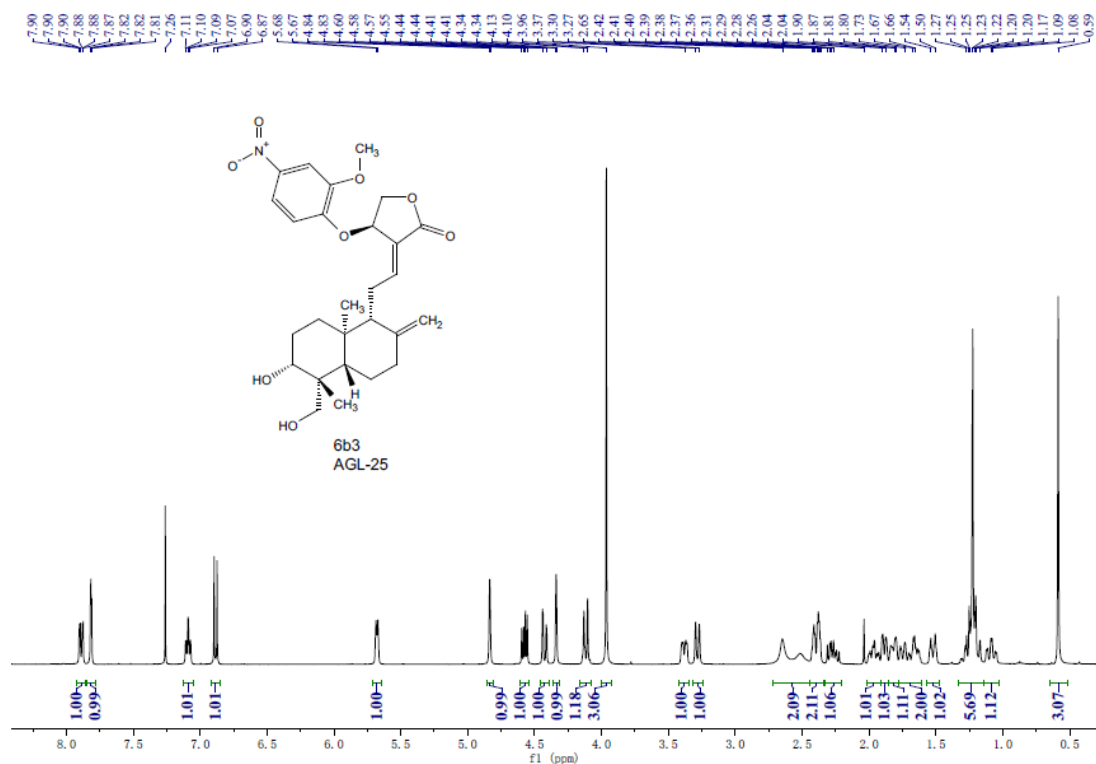
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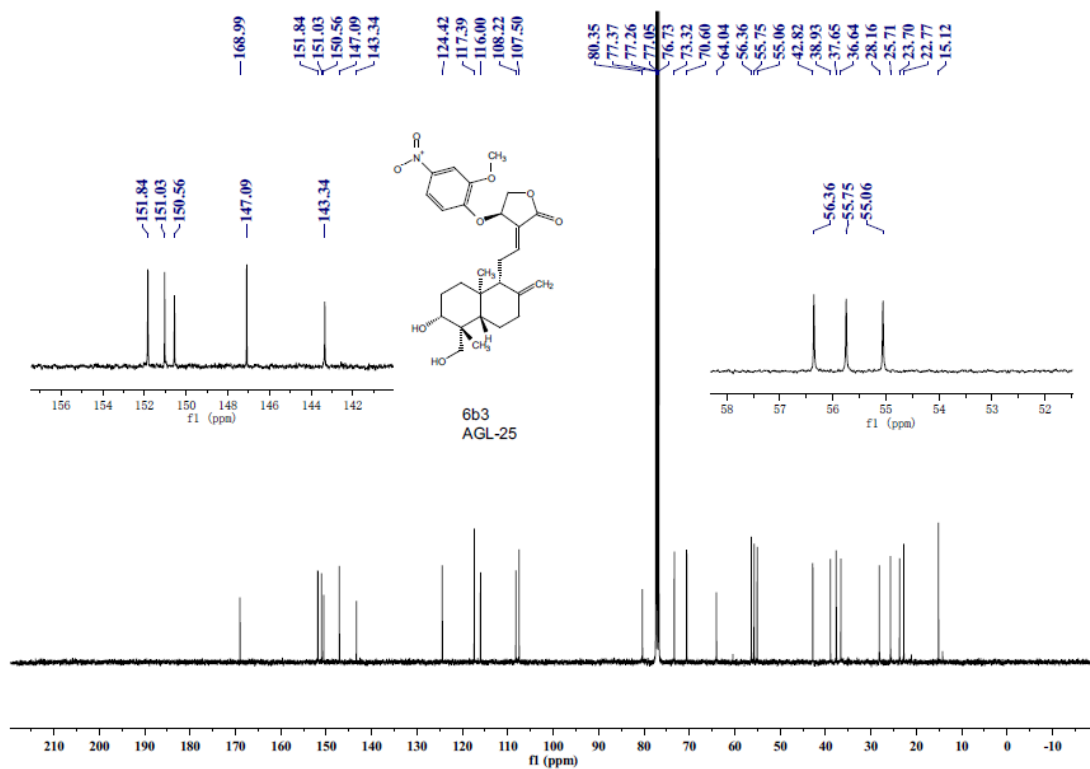
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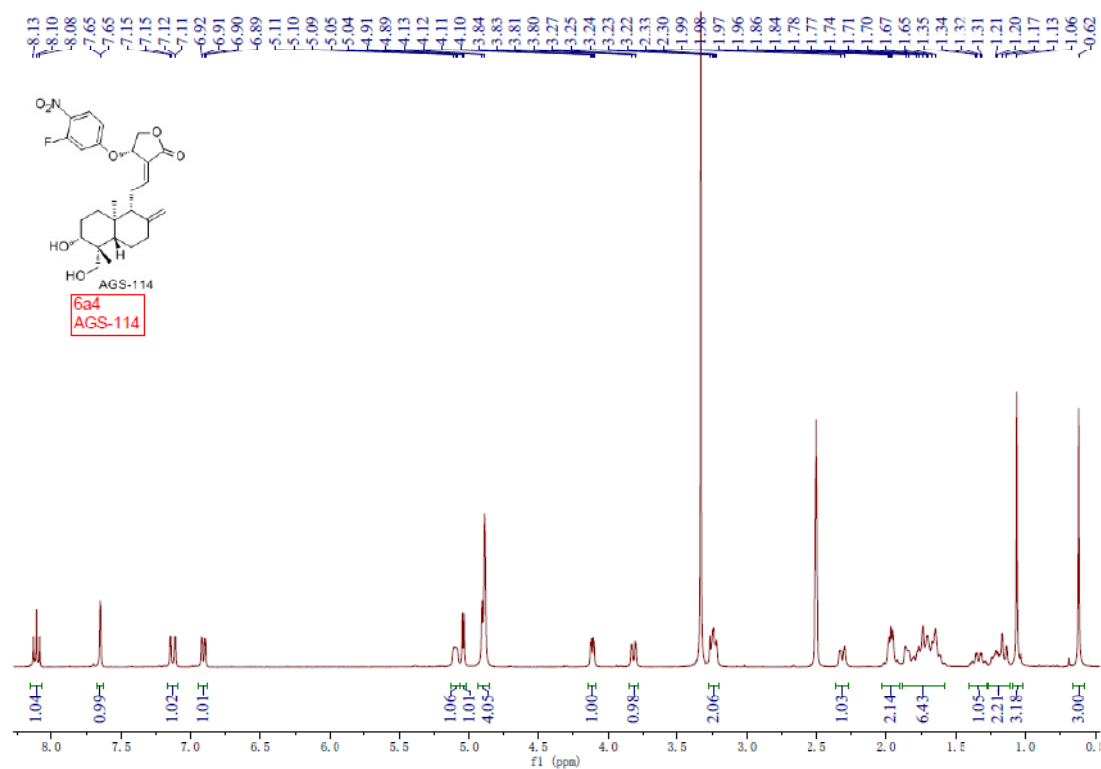
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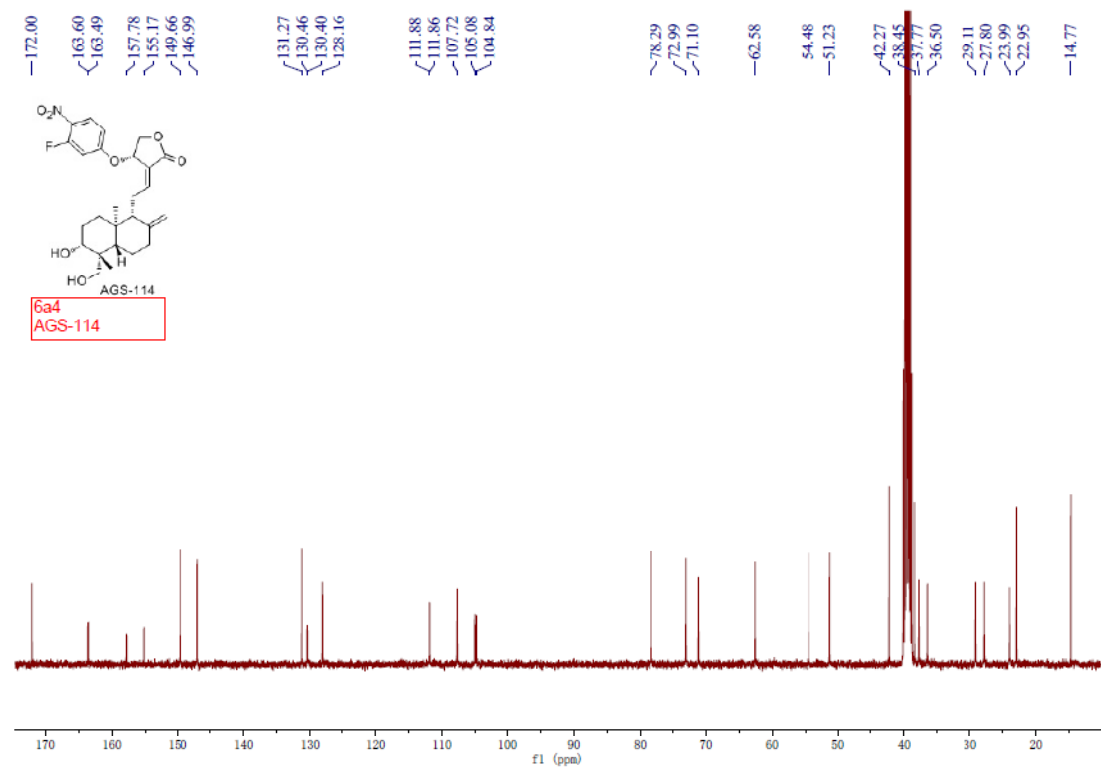
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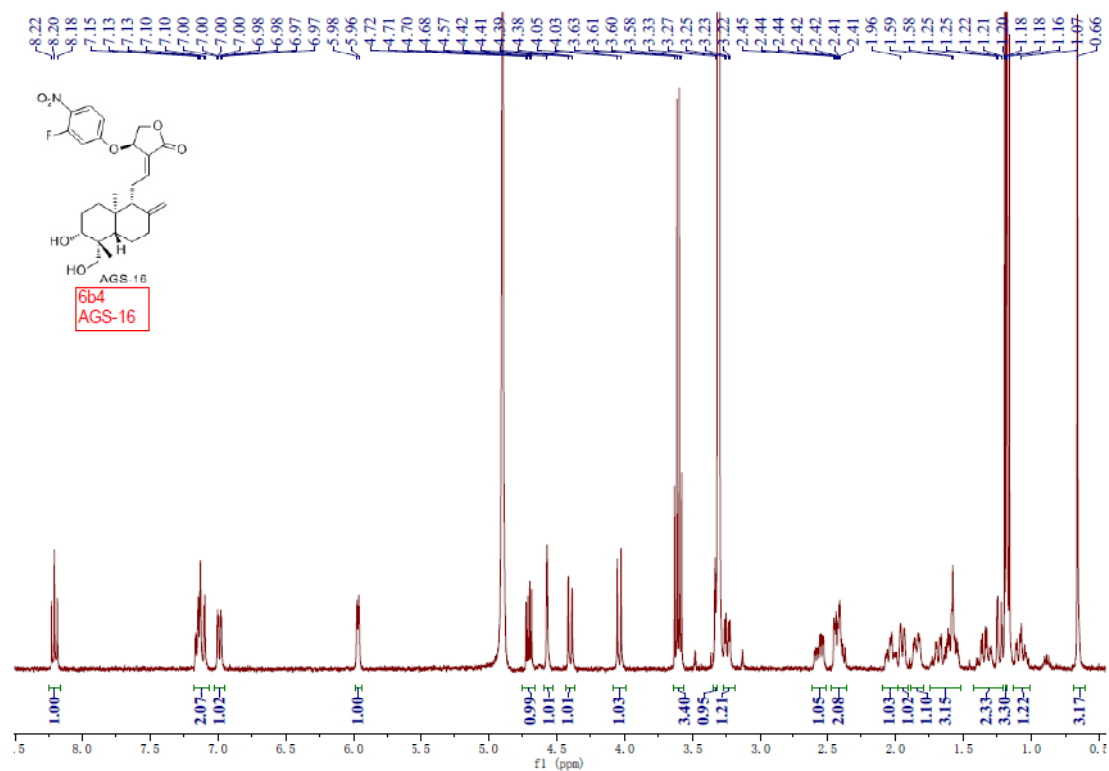
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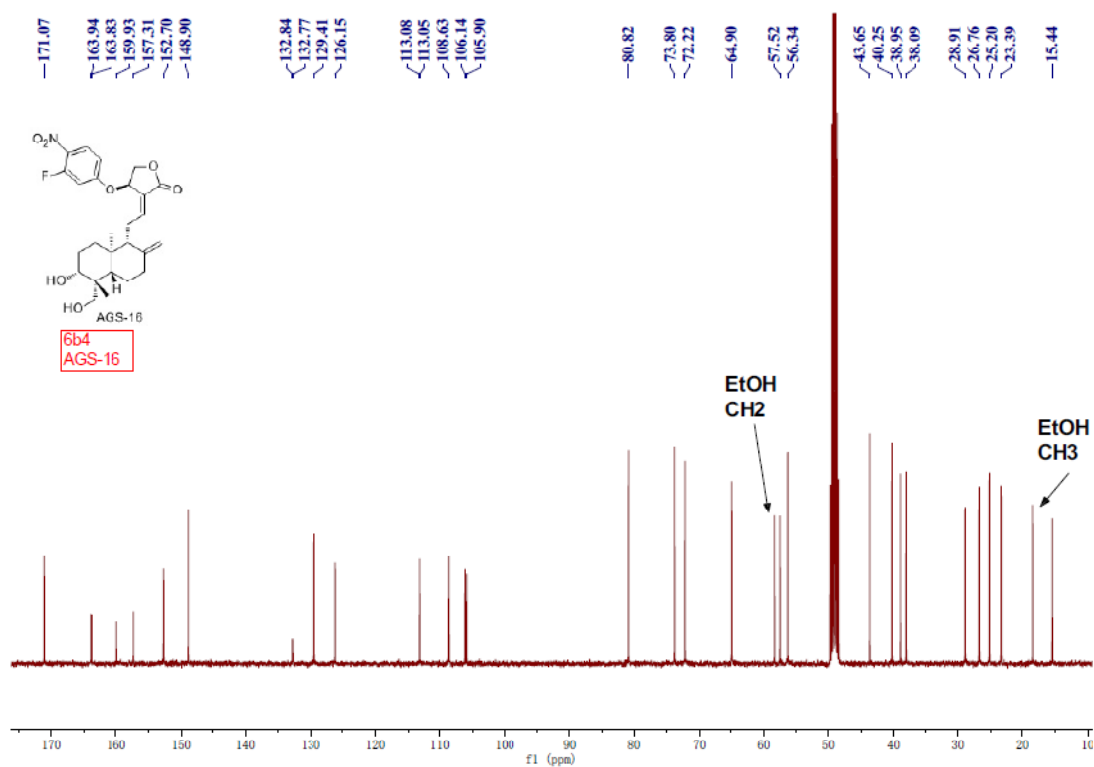
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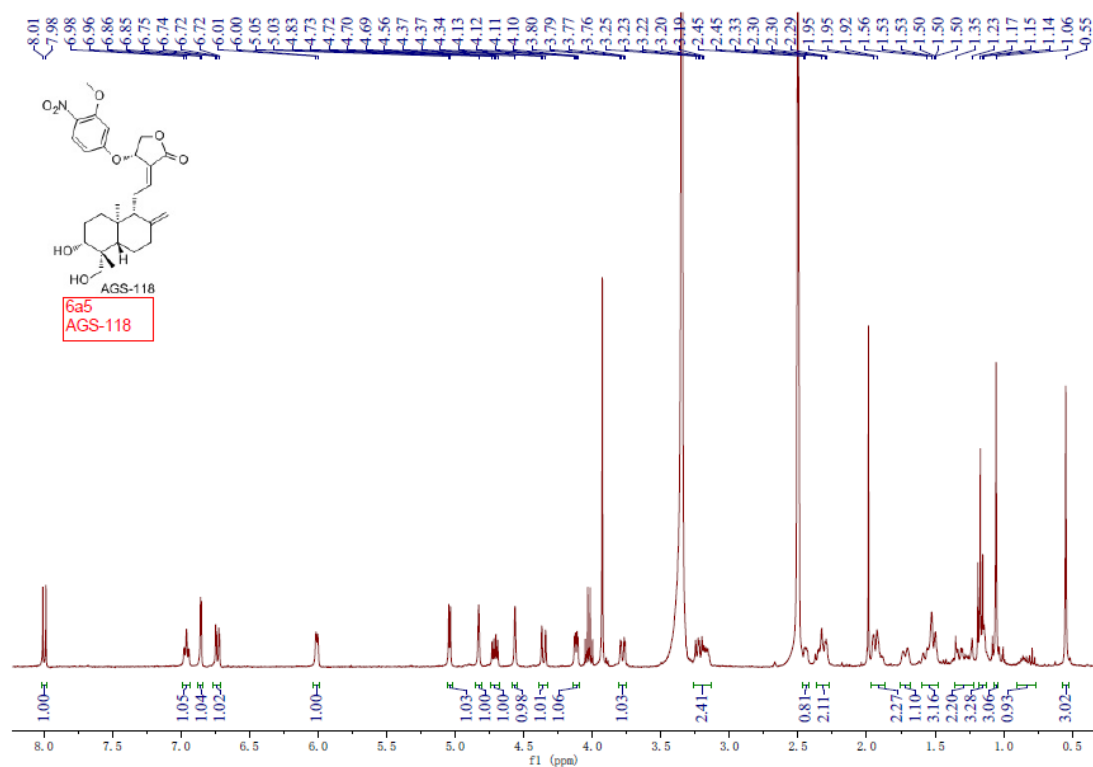
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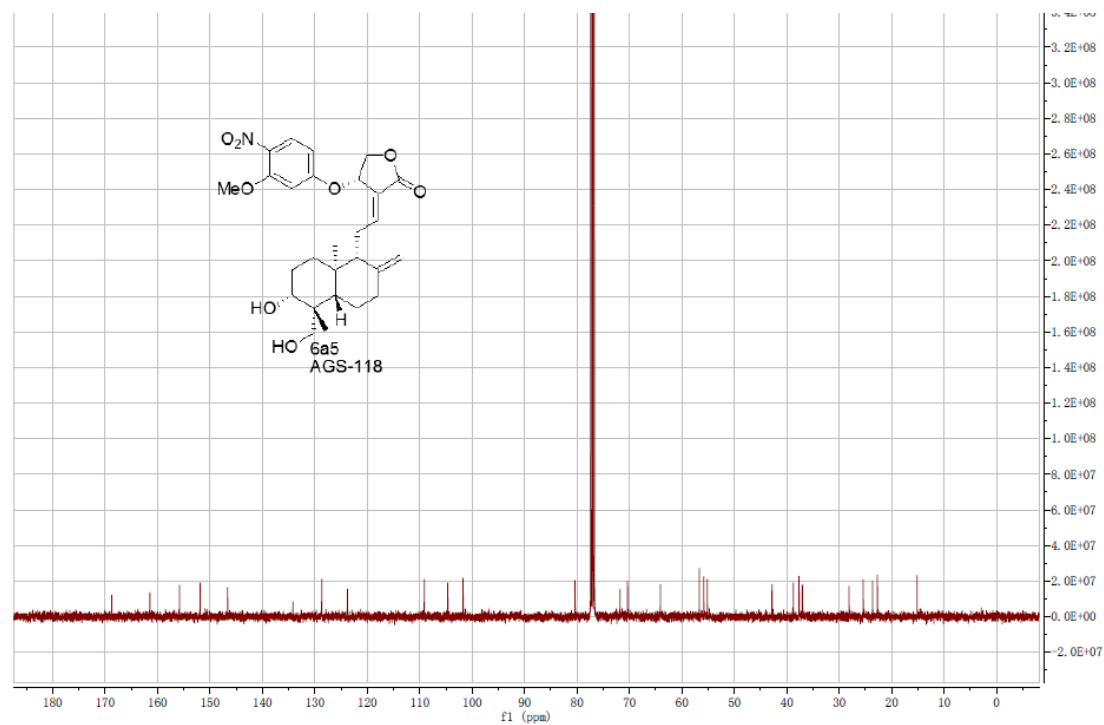
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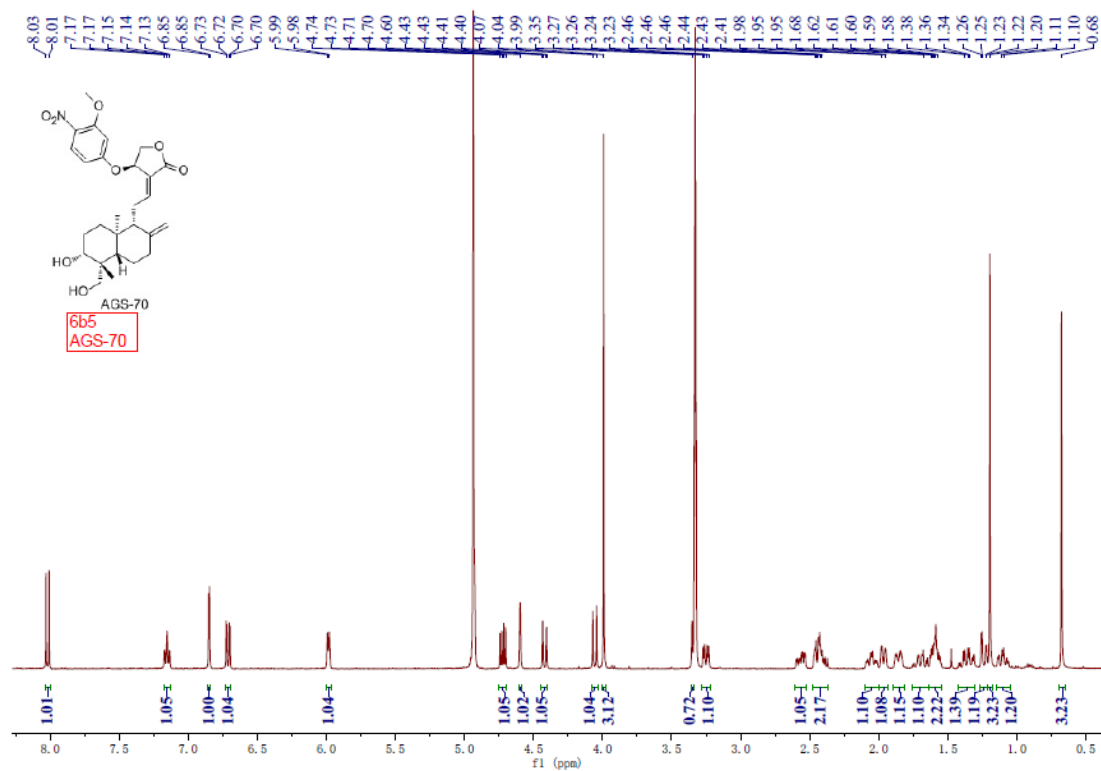
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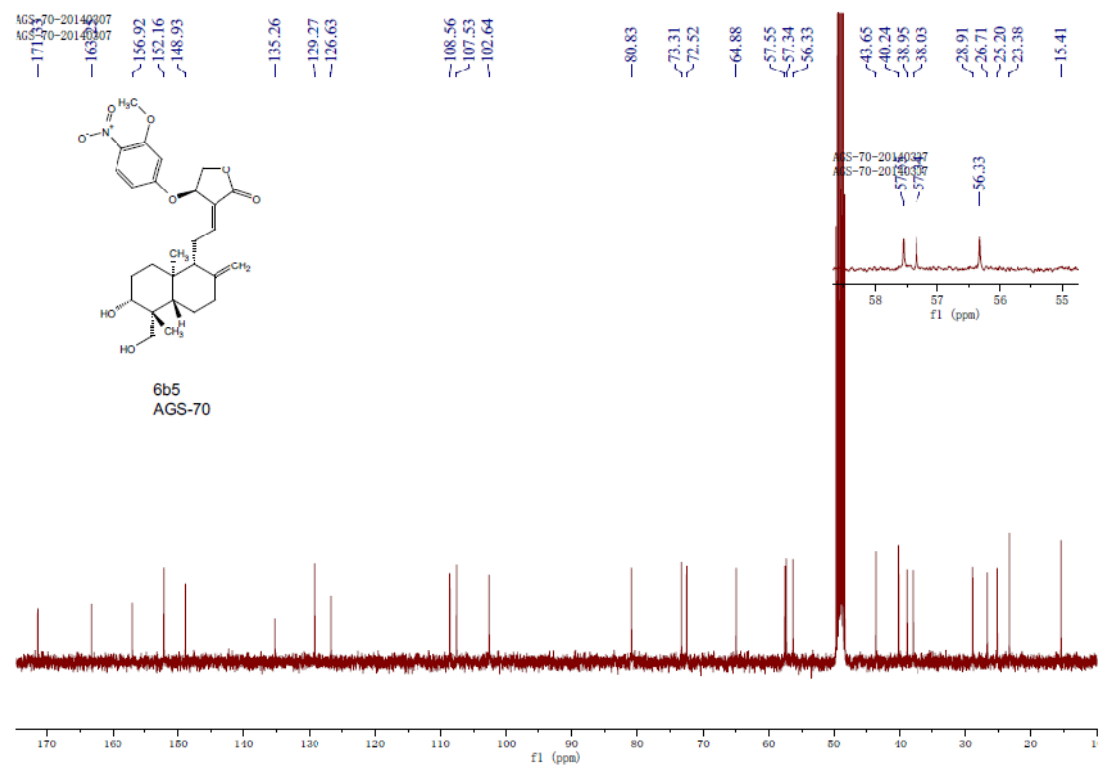
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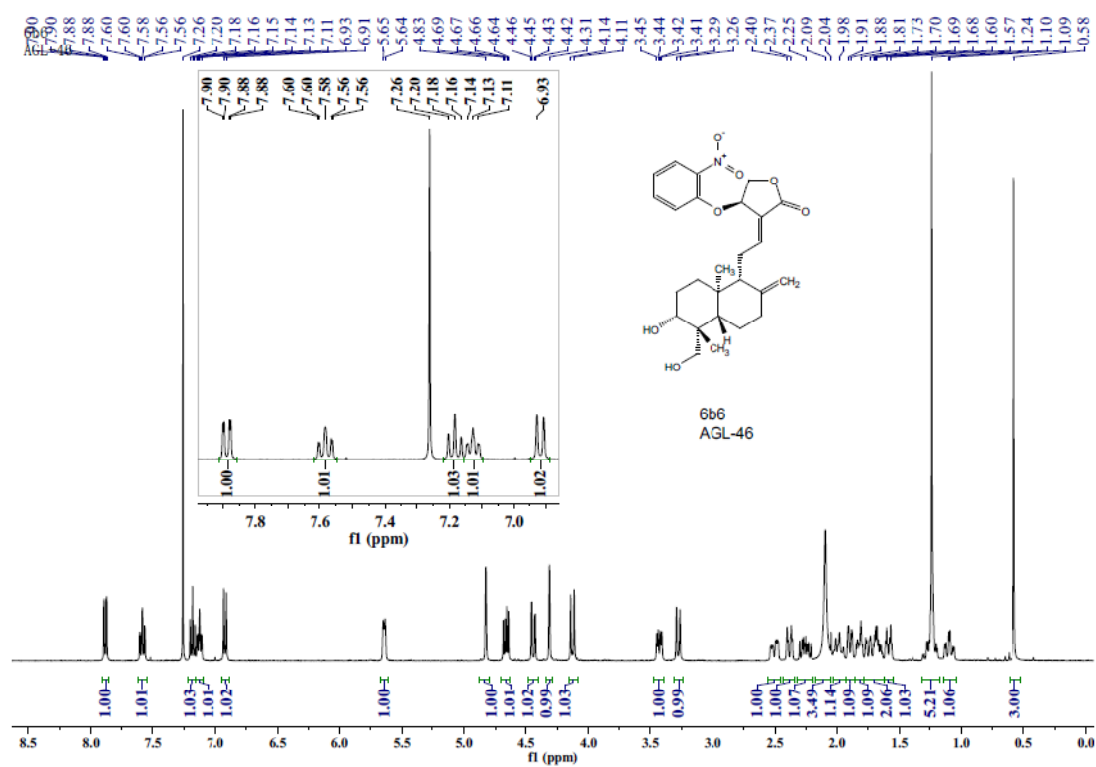
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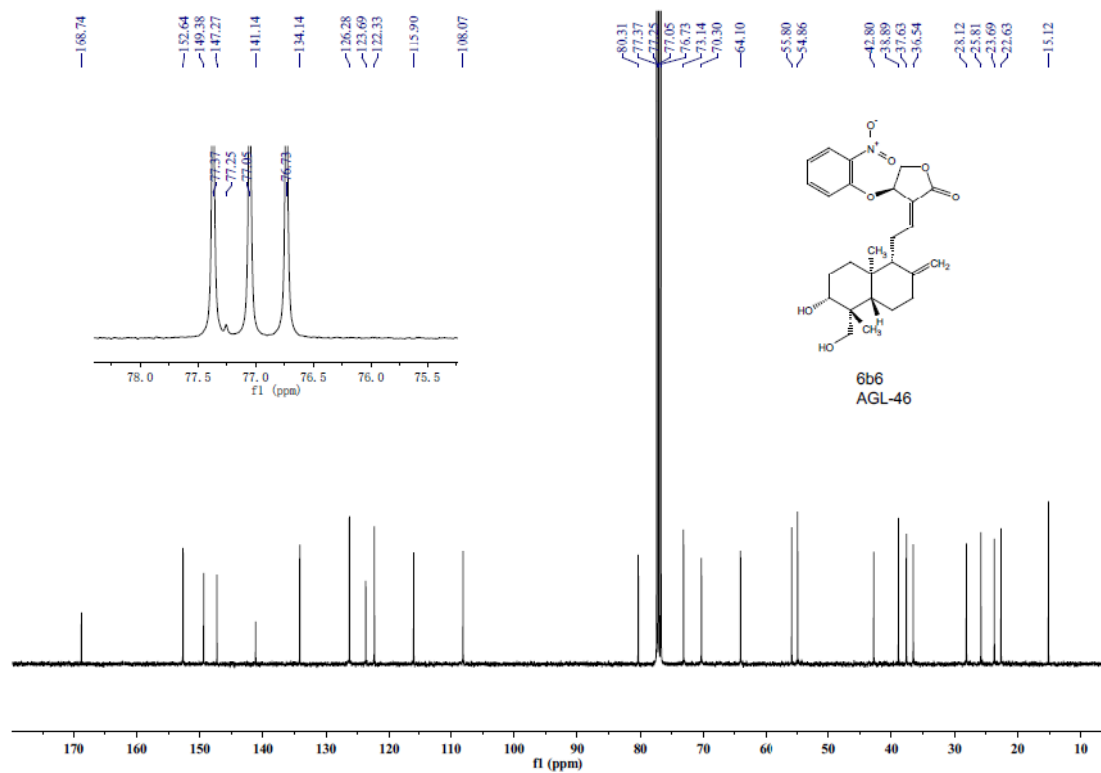
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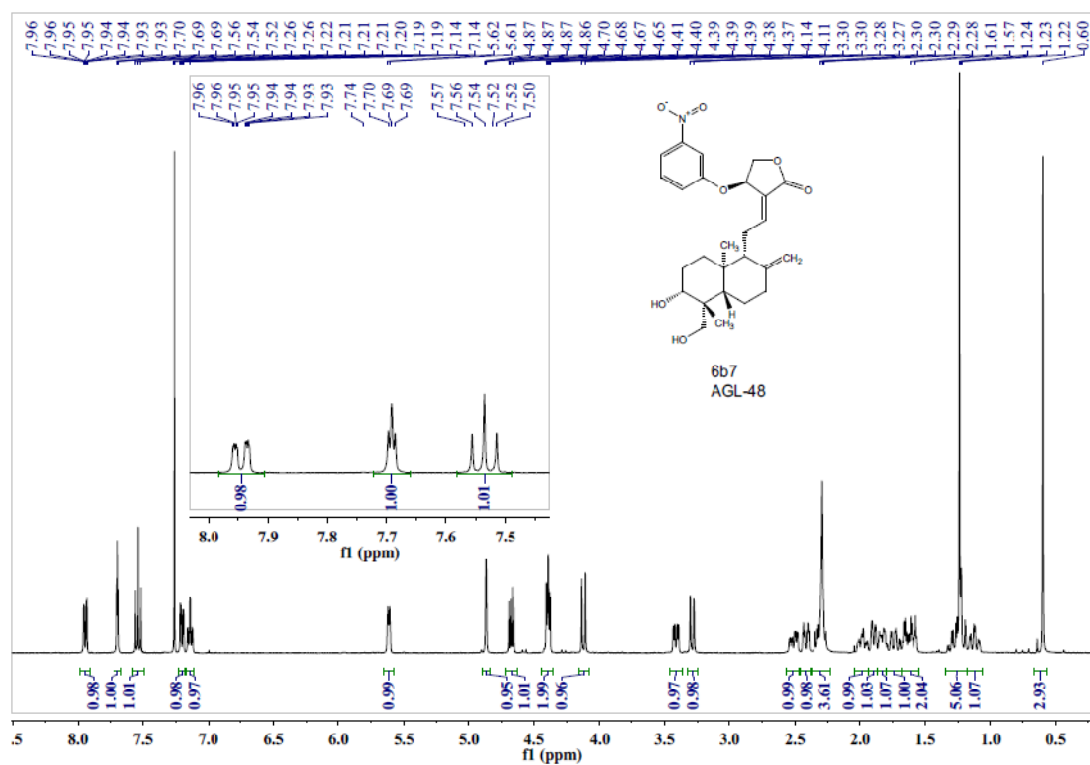
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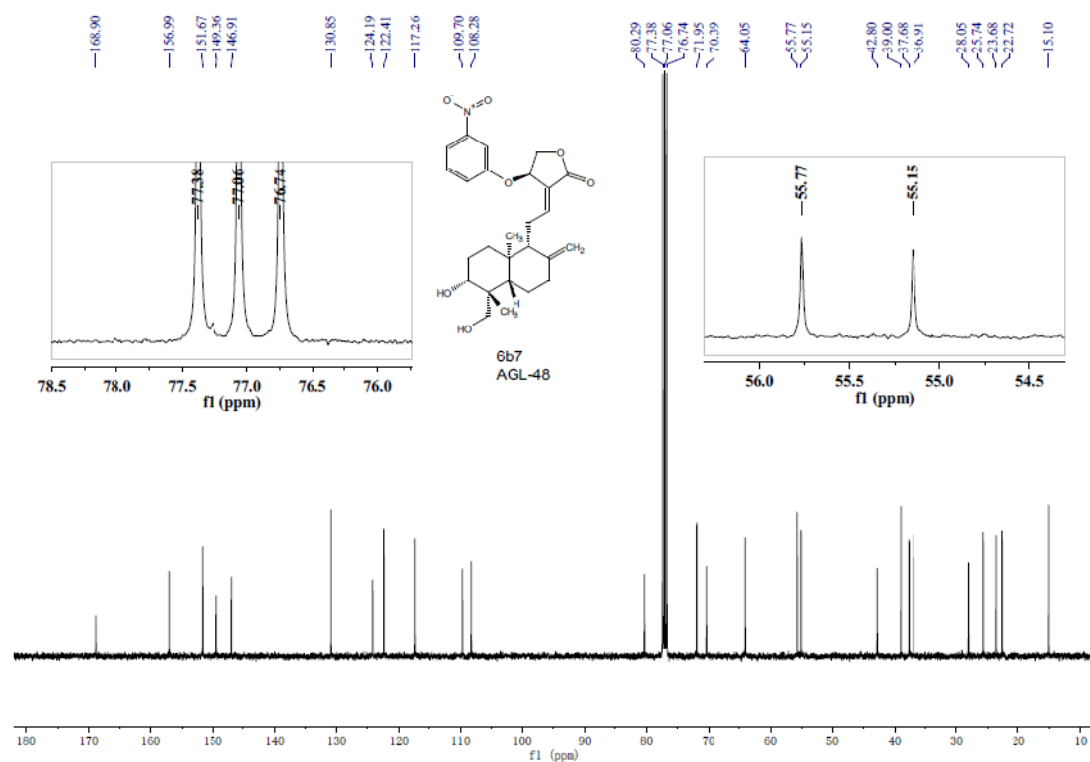
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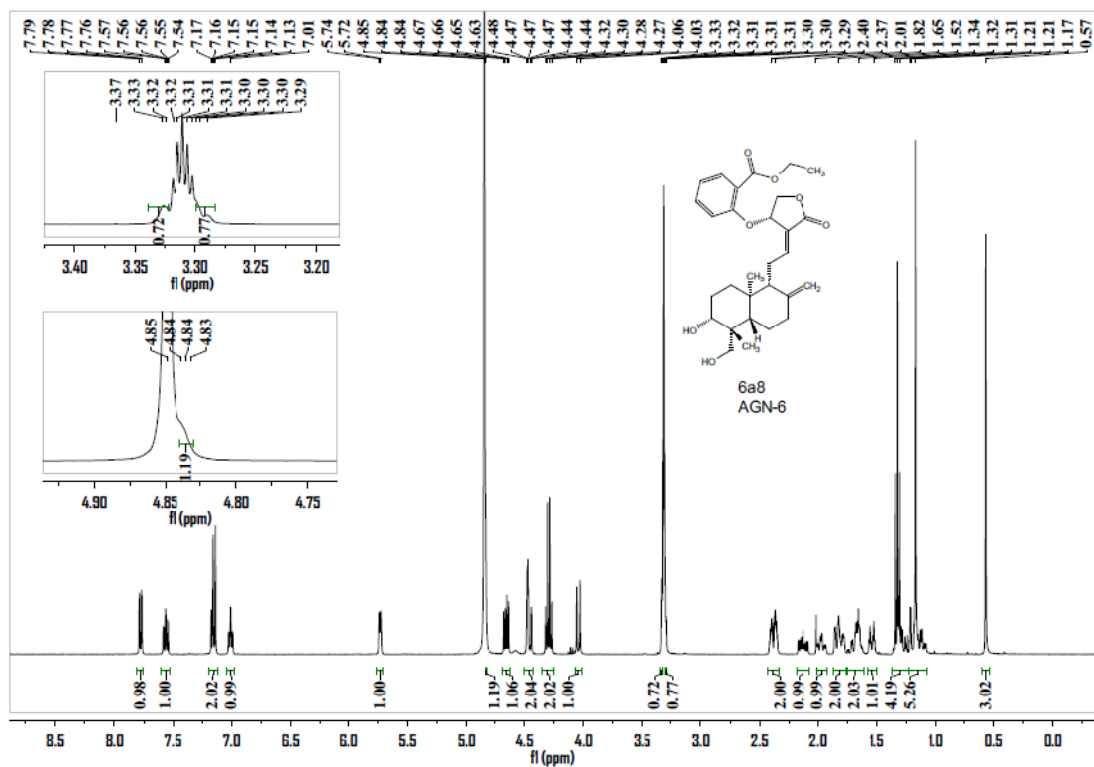
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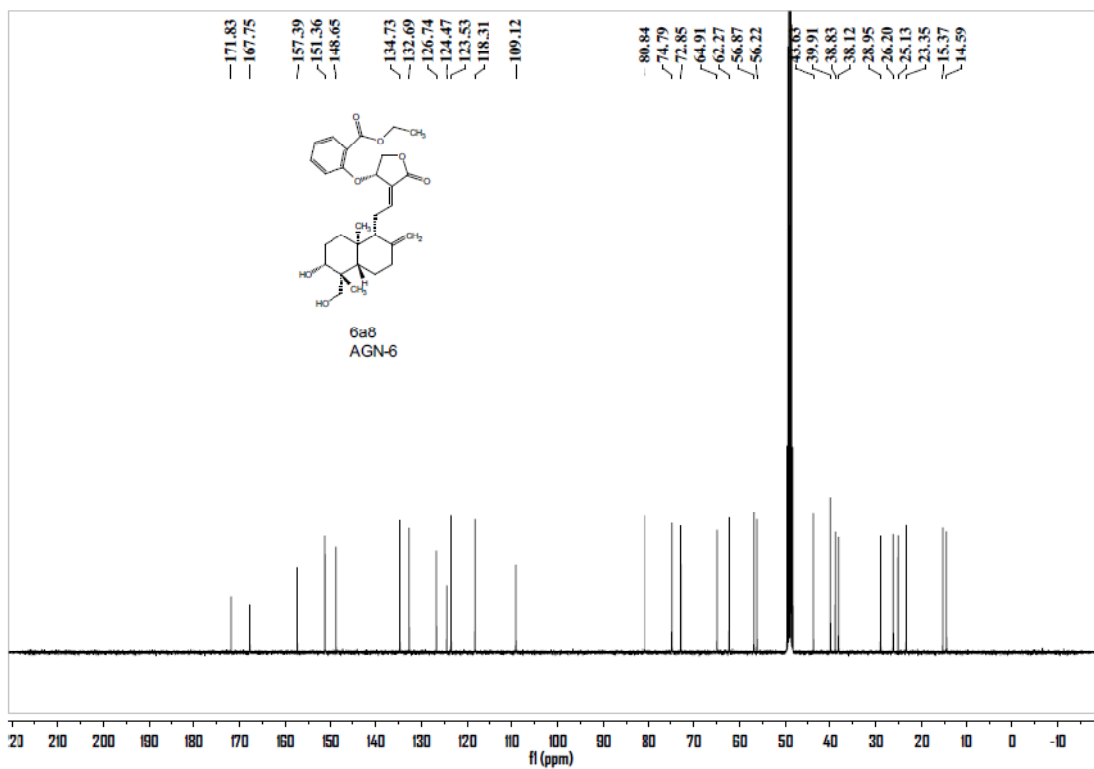
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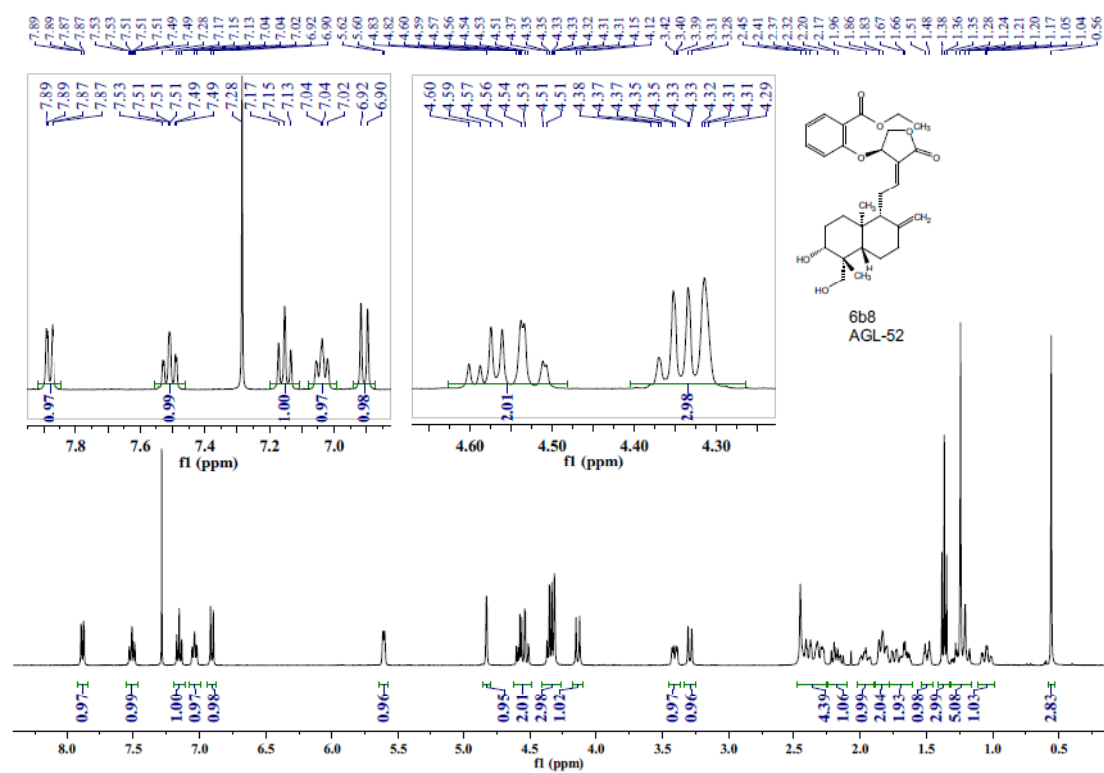
^1H NMR of **6a8**



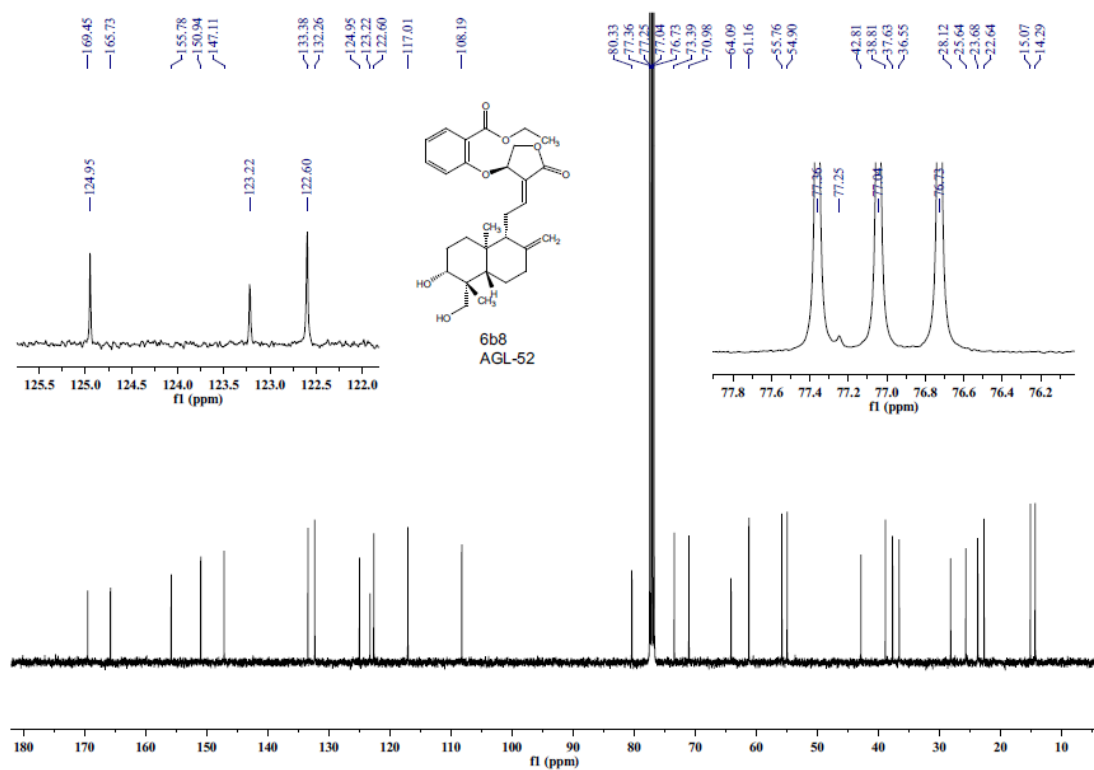
^{13}C NMR of **6a8**



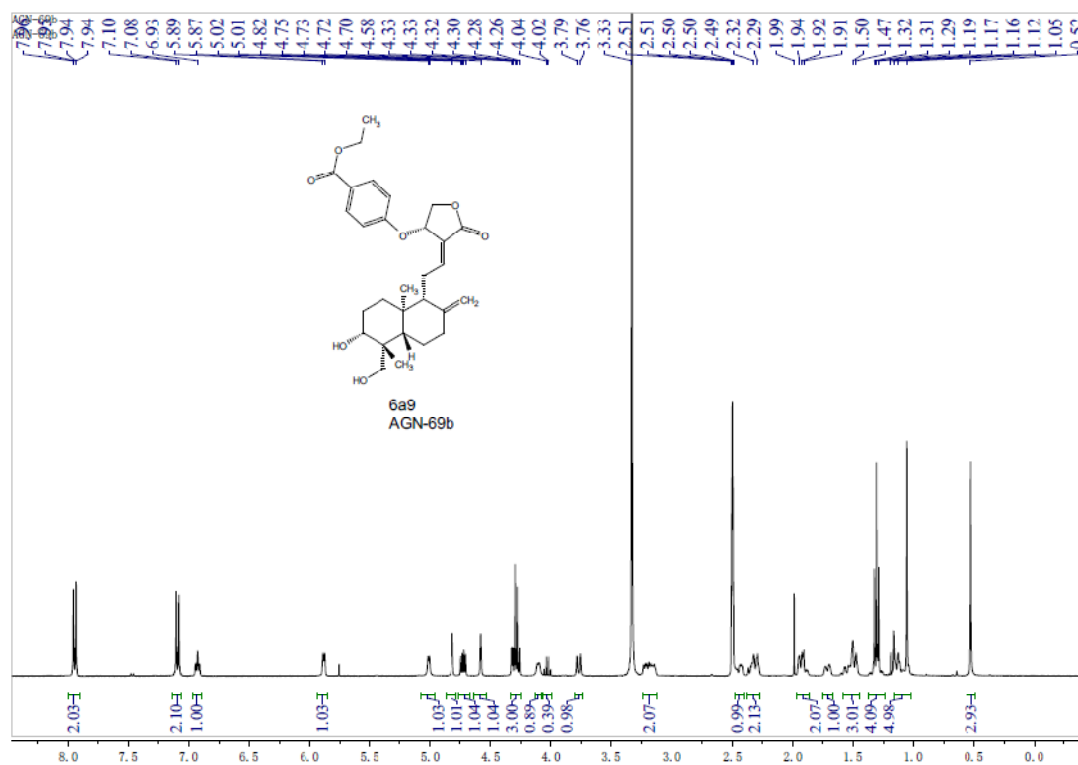
^1H NMR of **6b8**



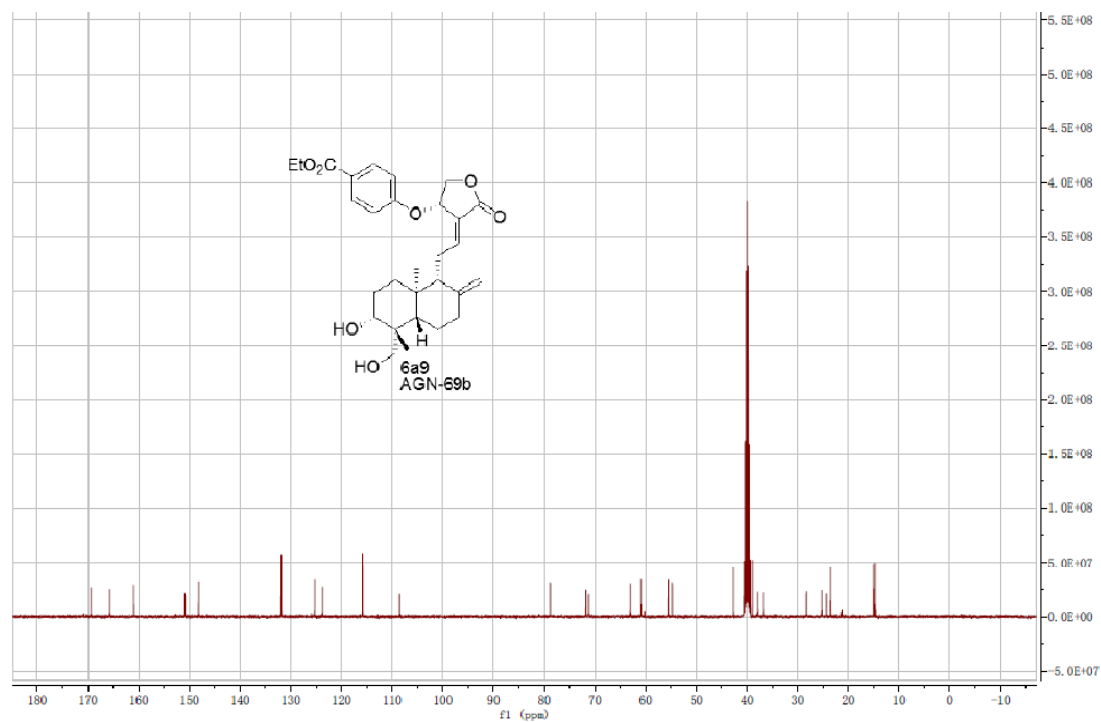
^{13}C NMR of **6b8**



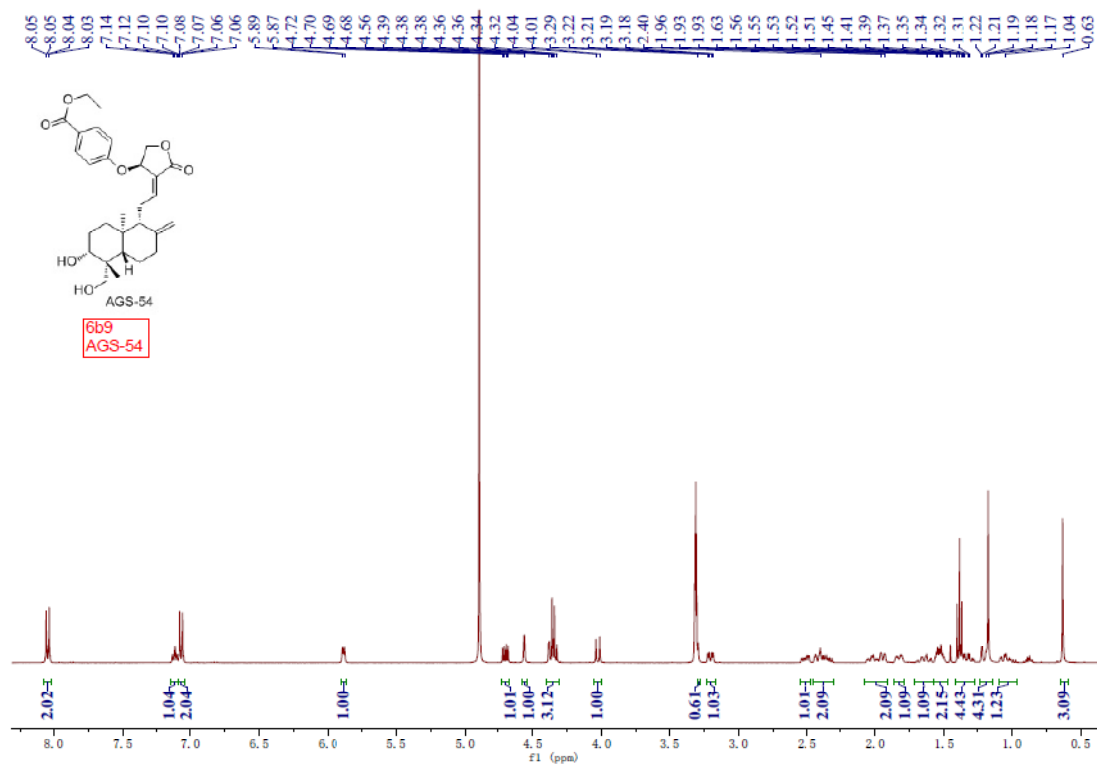
¹H NMR of **6a9**



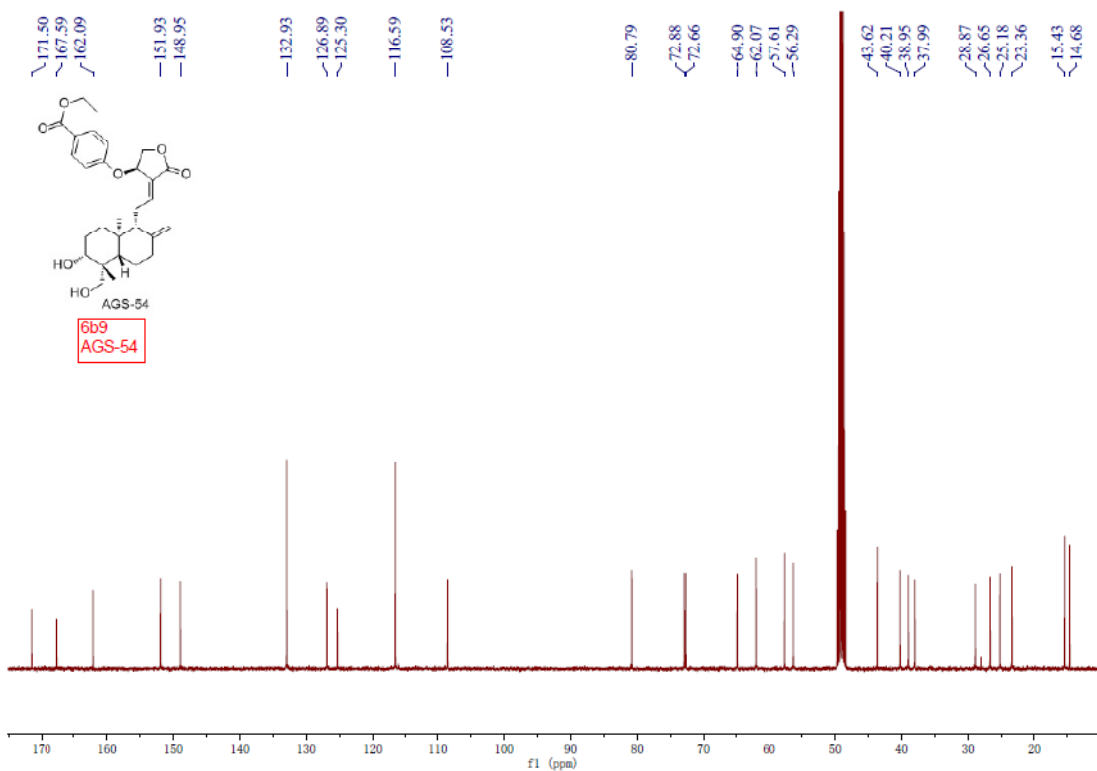
¹³C NMR of **6a9**



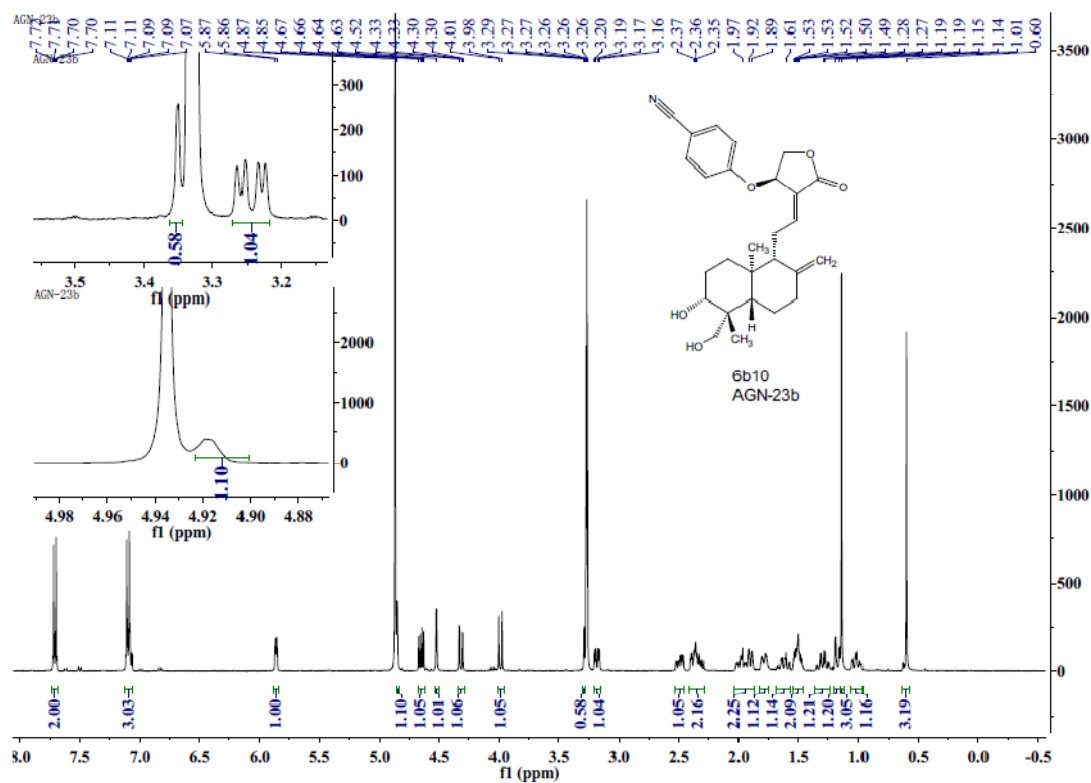
¹H NMR of **6b9**



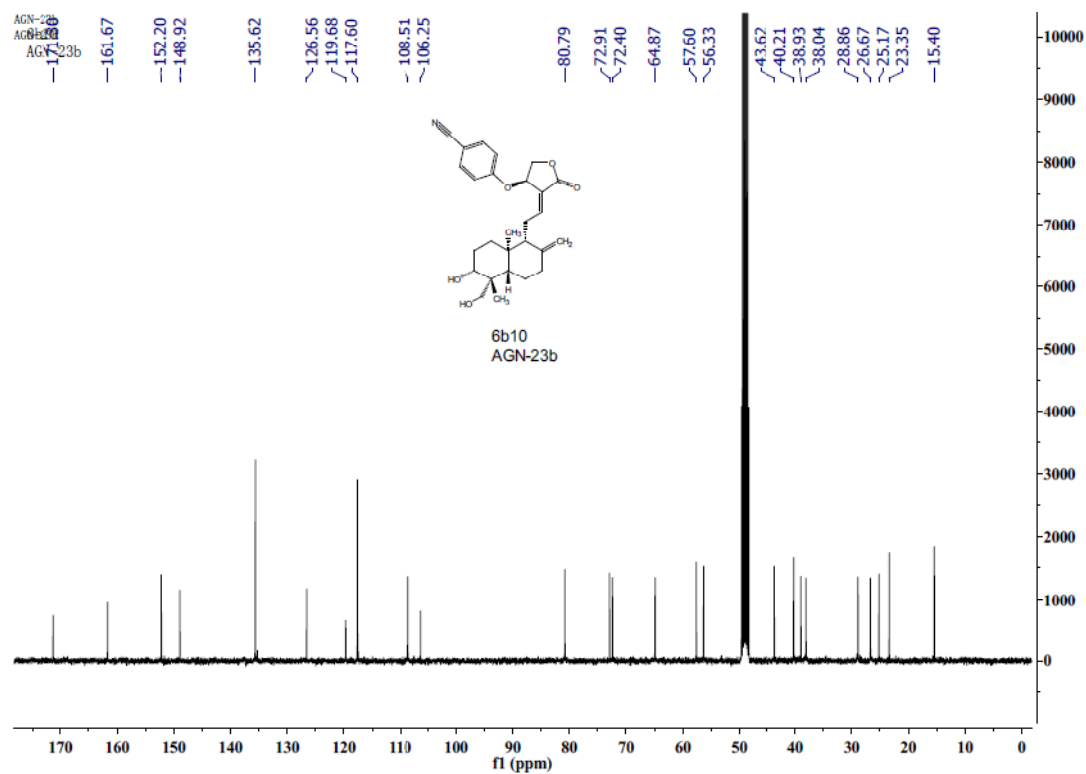
¹³C NMR of **6b9**



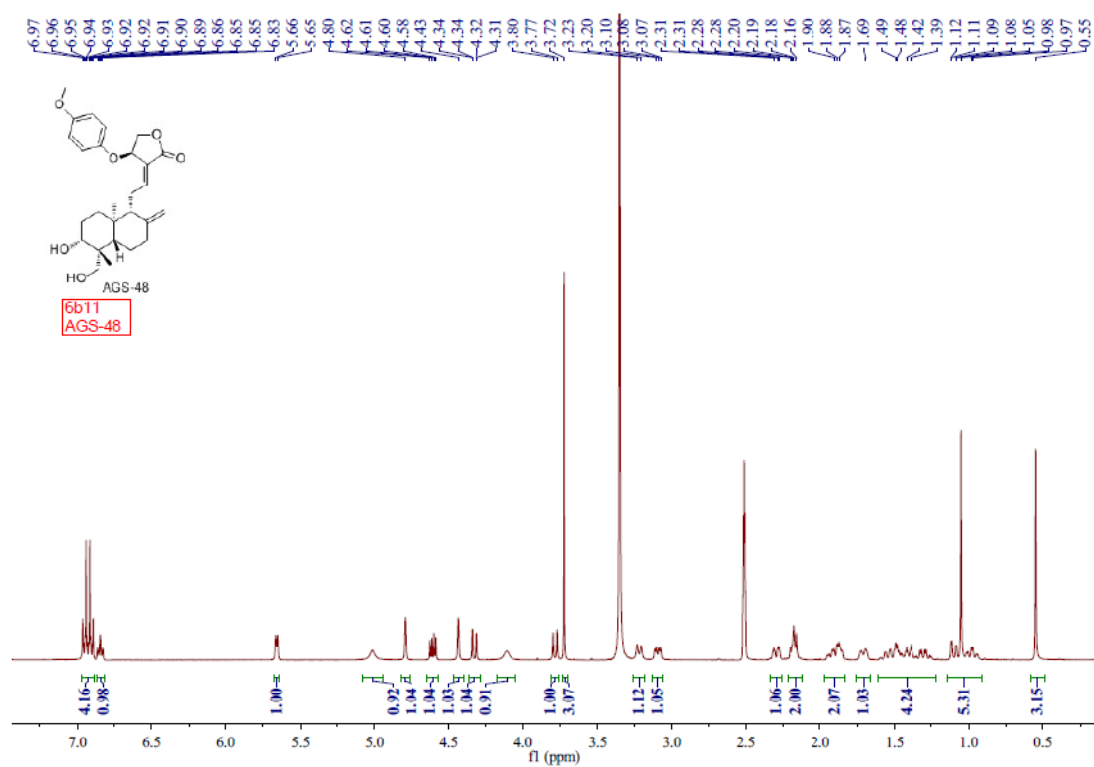
¹H NMR of **6b10**



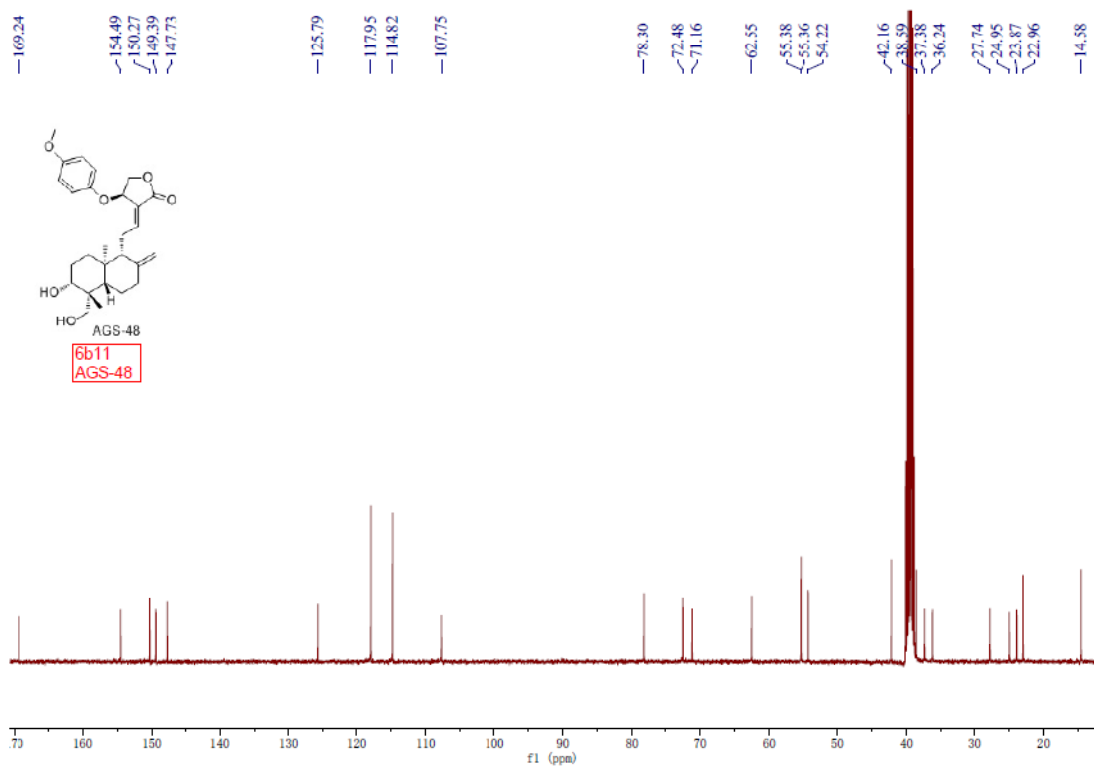
¹³C NMR of **6b10**



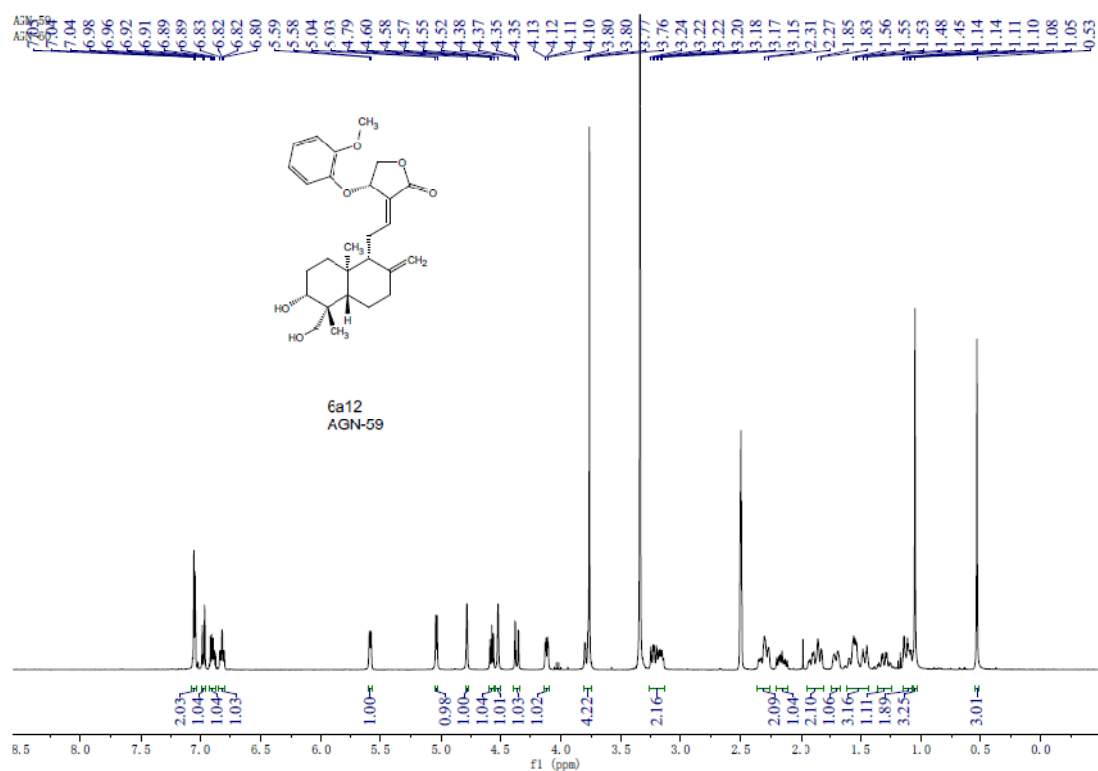
^1H NMR of **6b11**



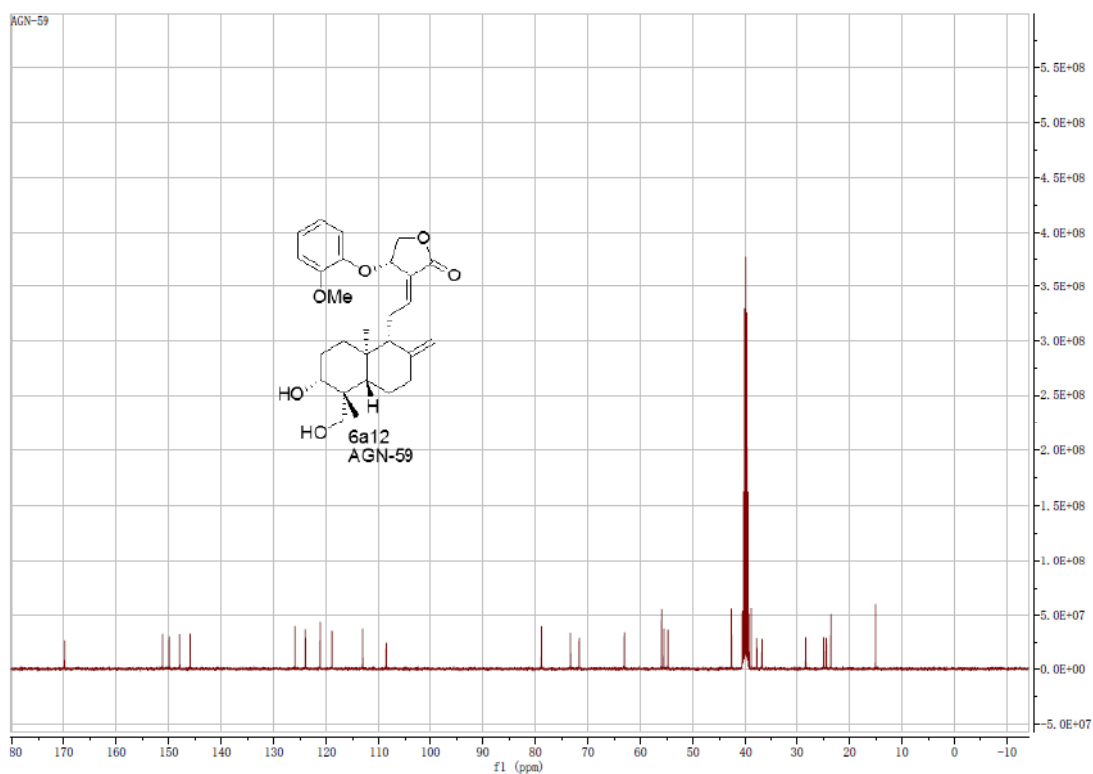
^{13}C NMR of **6b11**



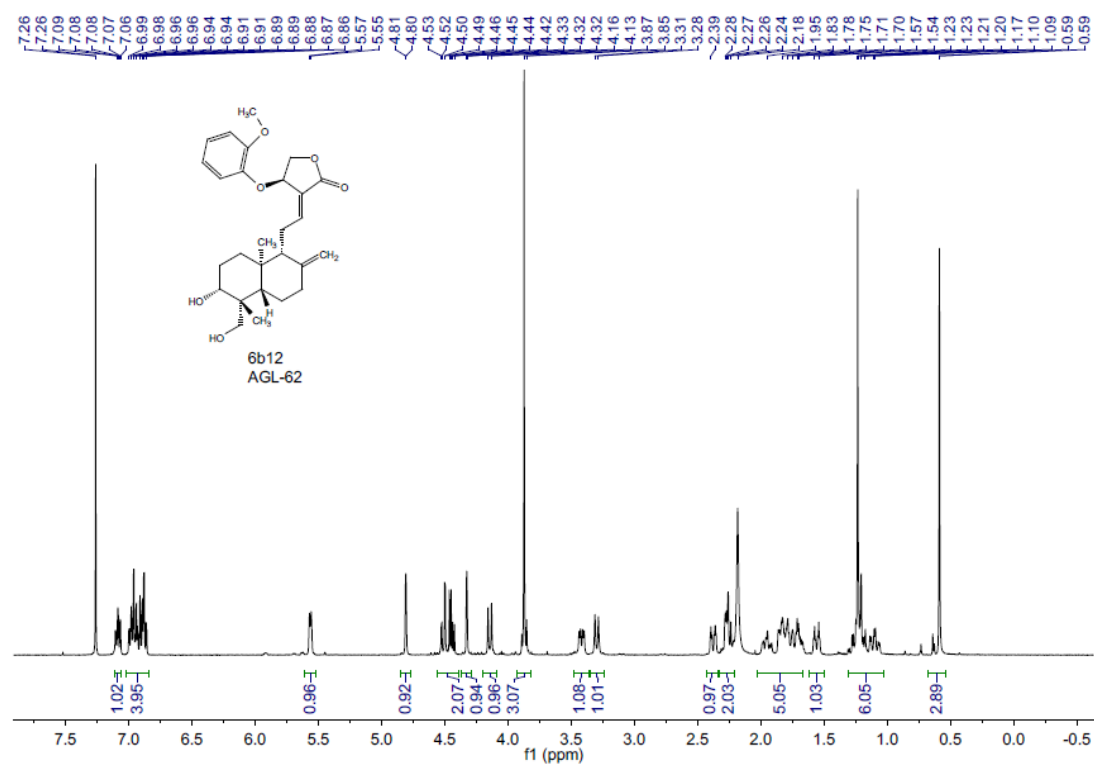
¹H NMR of **6a12**



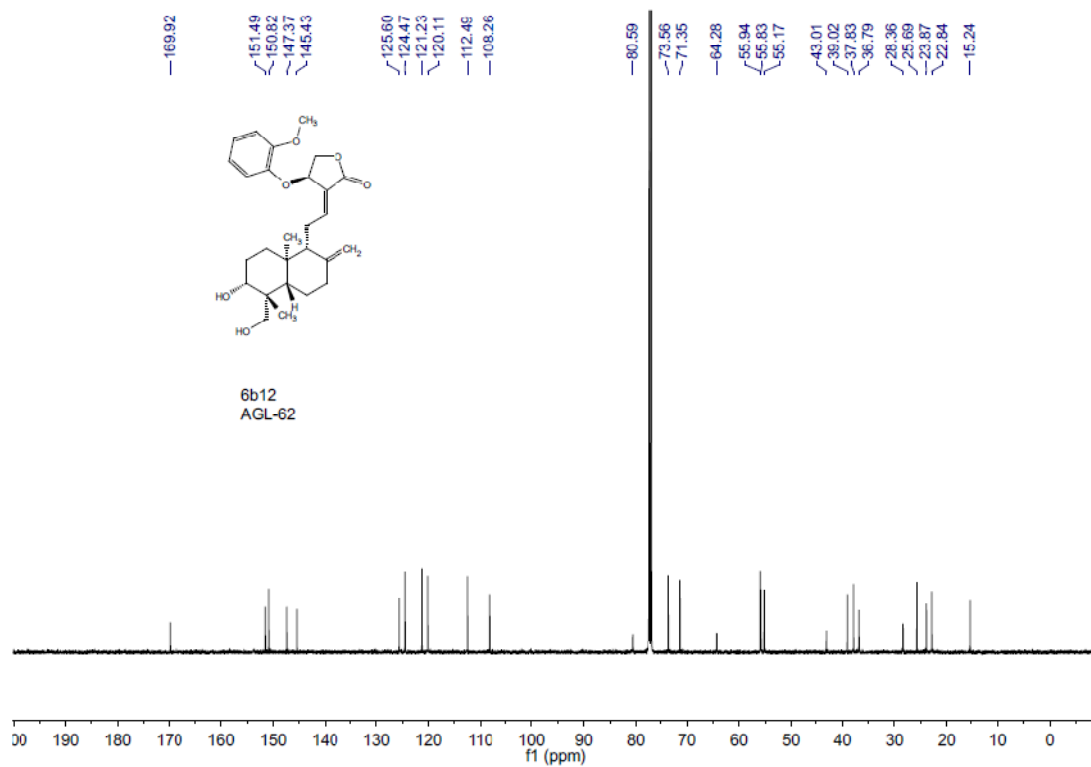
¹³C NMR of **6a12**



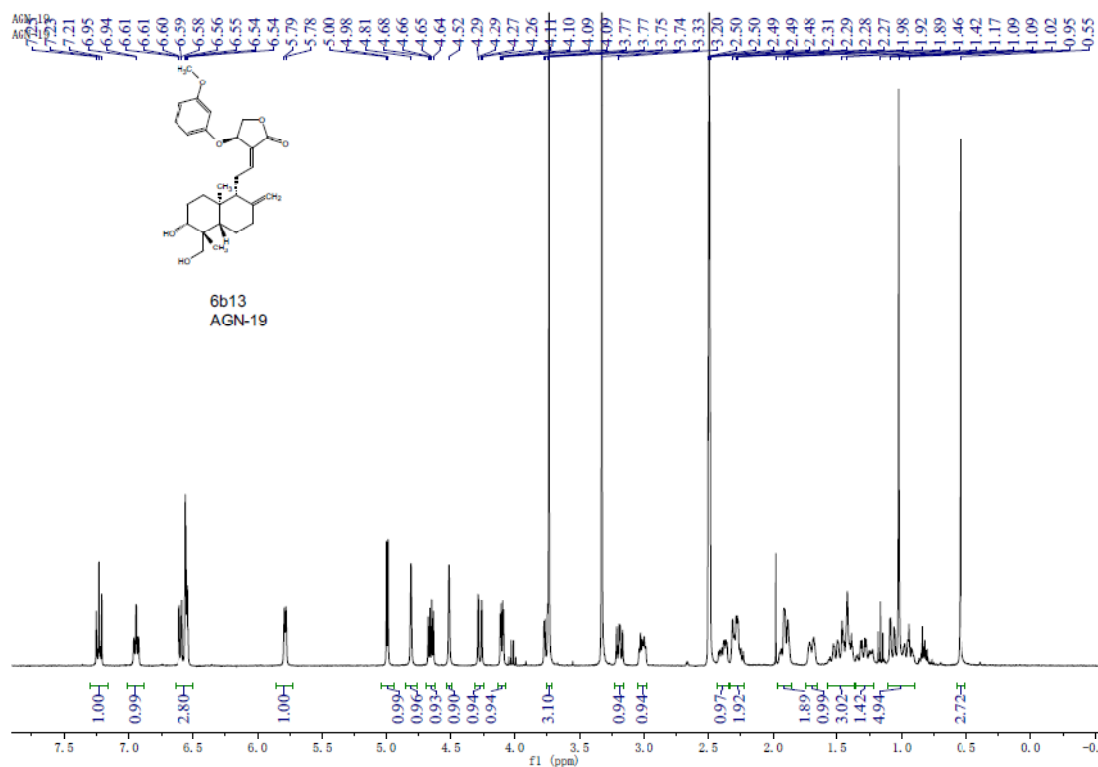
¹H NMR of **6b12**



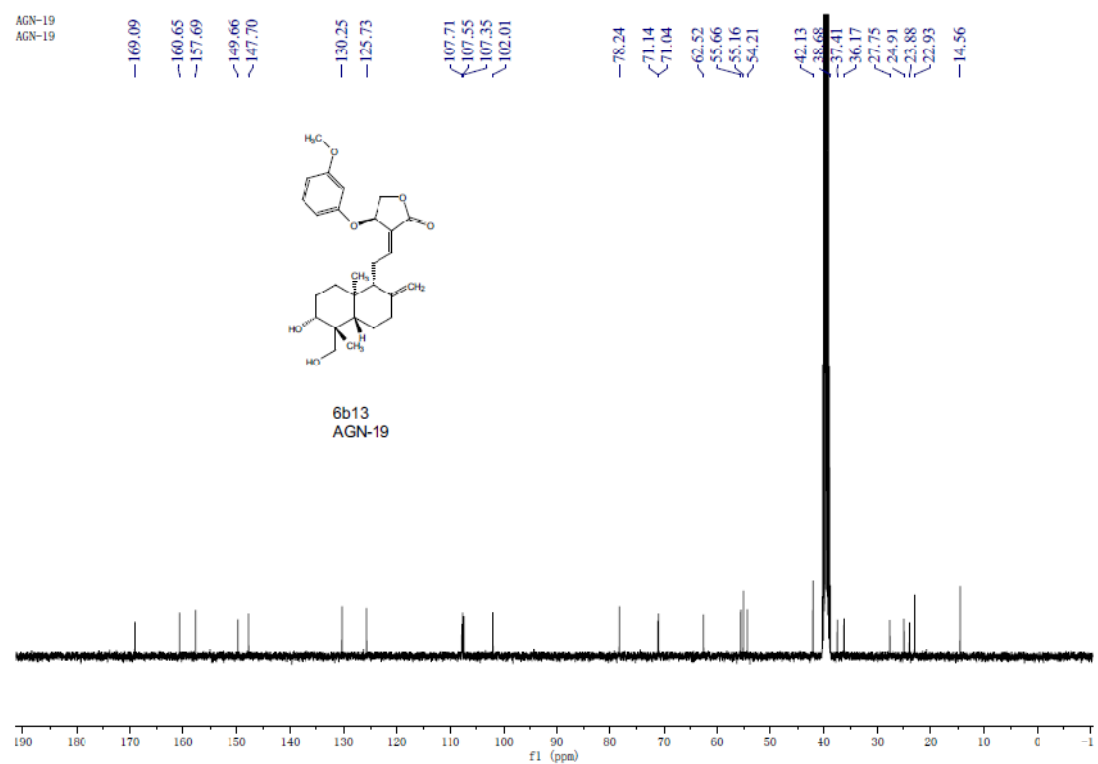
¹³C NMR of **6b12**



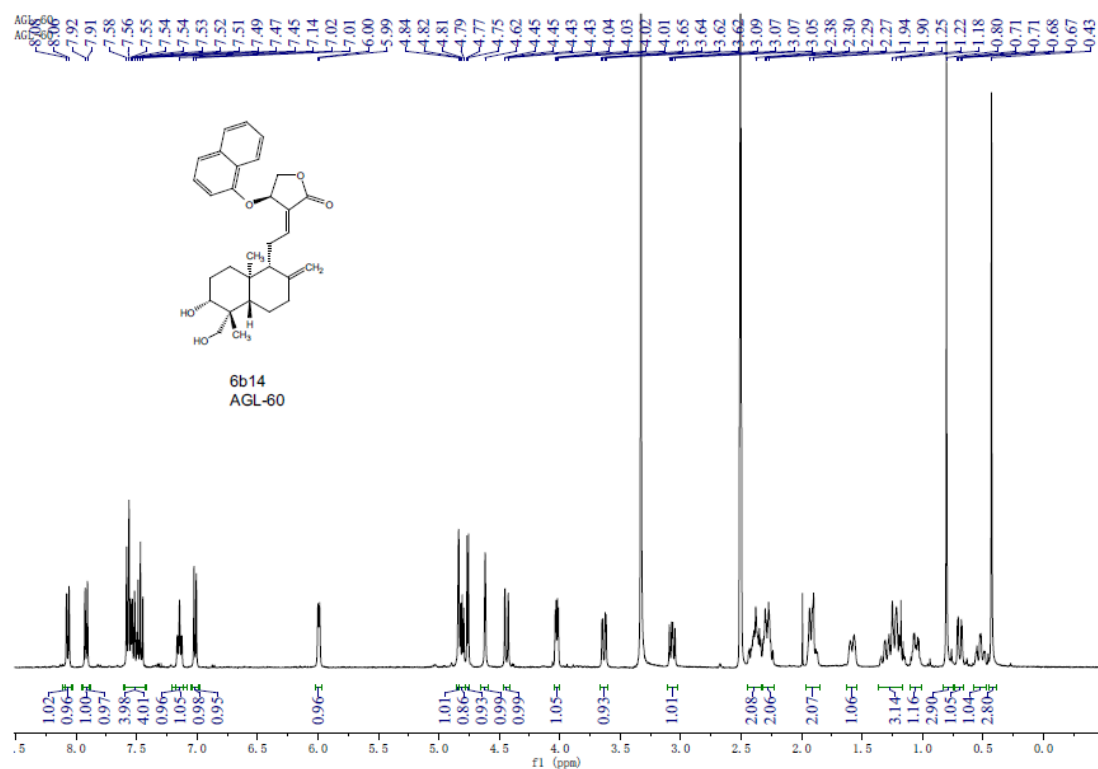
¹H NMR of **6b13**



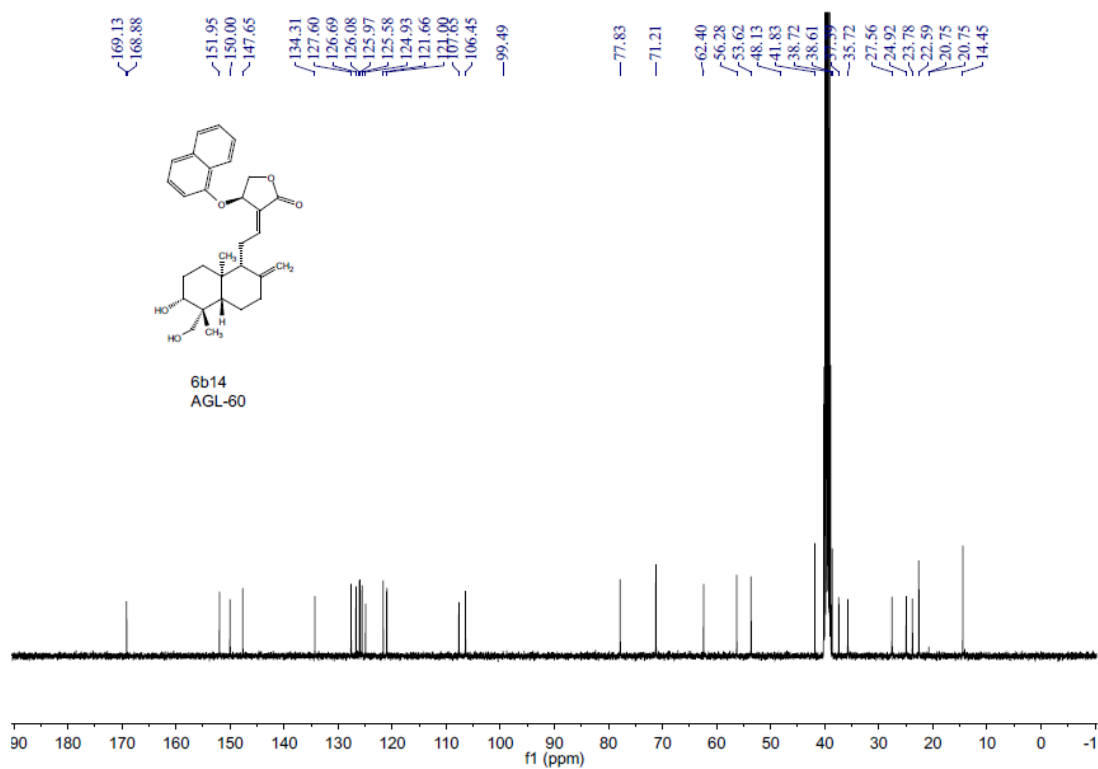
¹³C NMR of **6b13**



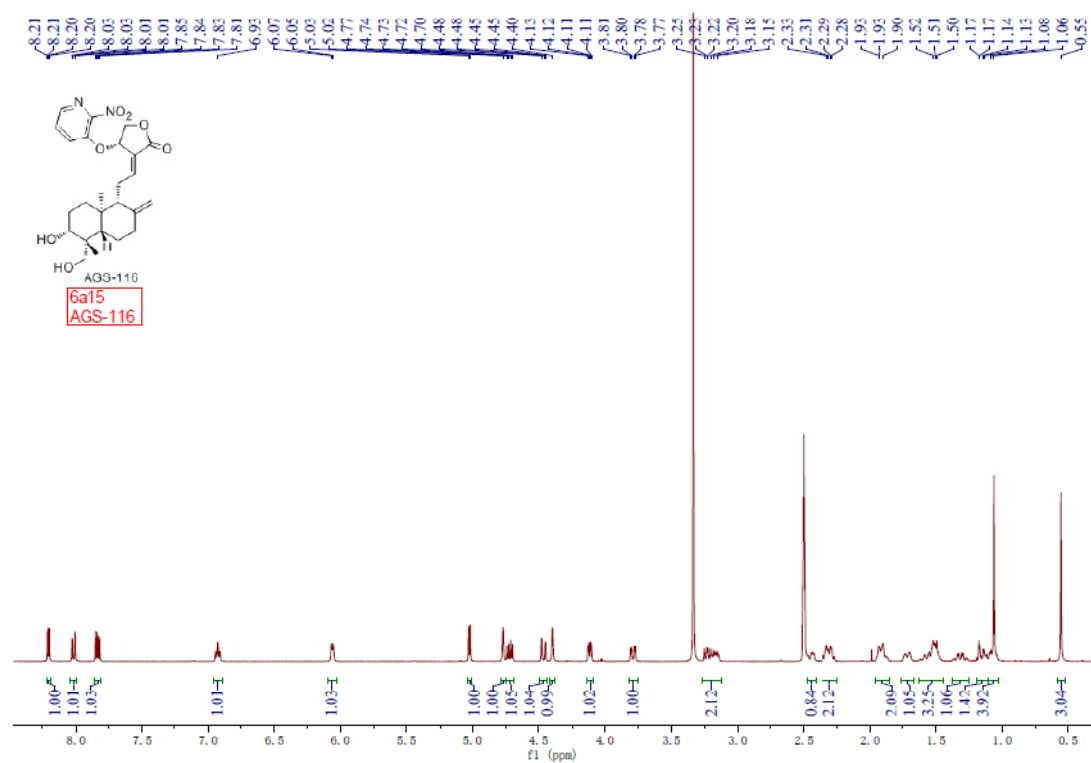
¹H NMR of **6b14**



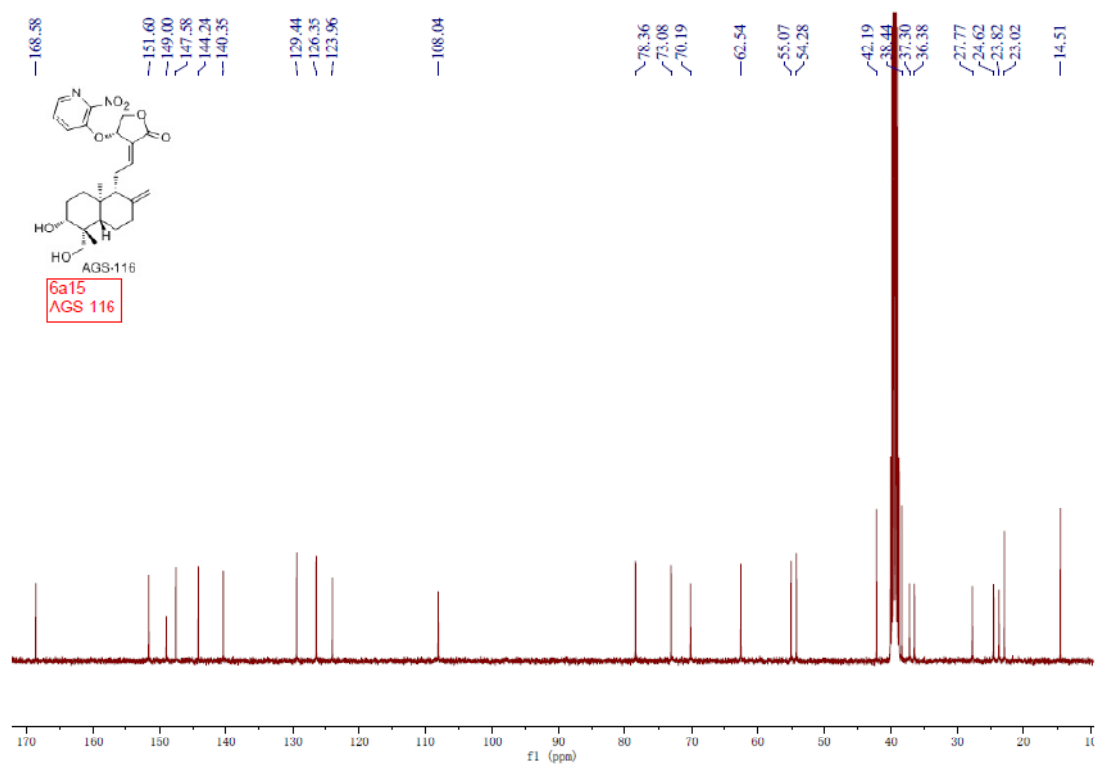
¹³C NMR of **6b14**



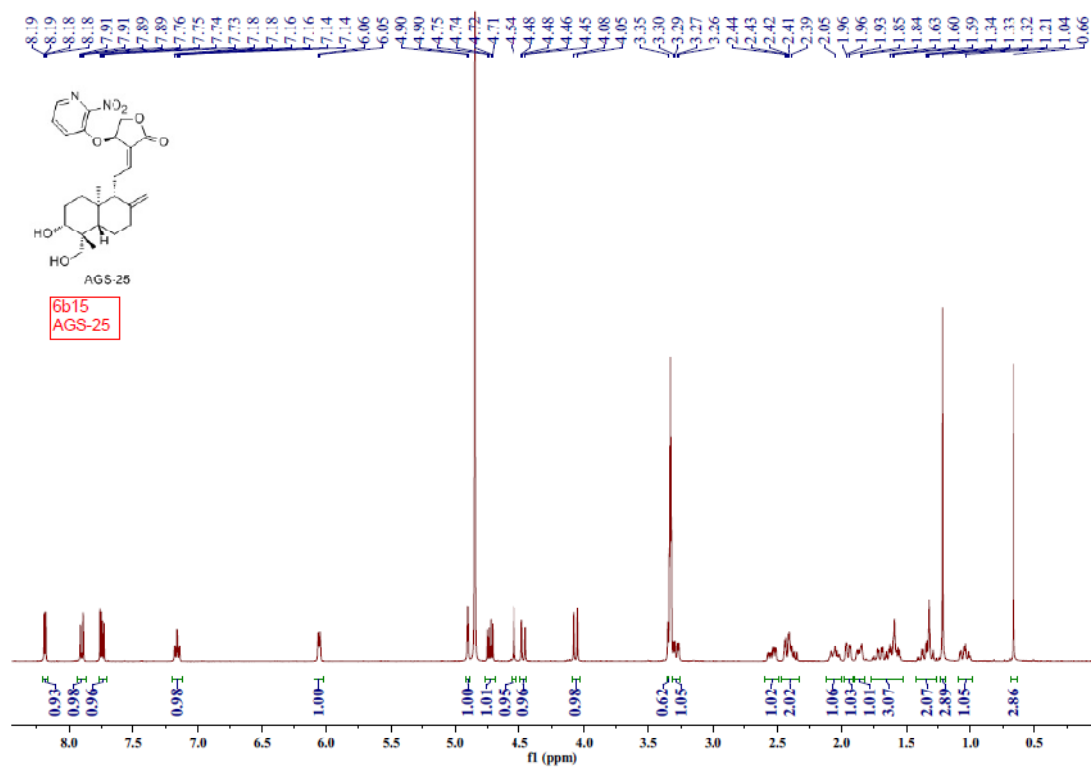
¹H NMR of **6a15**



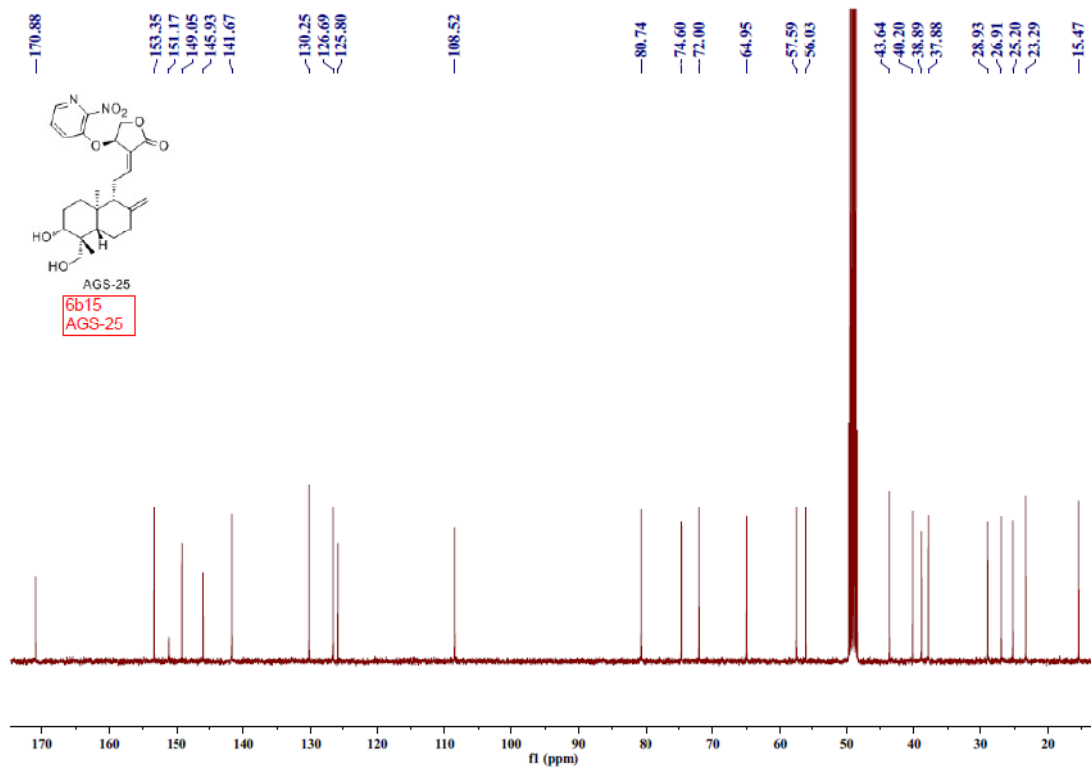
¹³C NMR of **6a15**



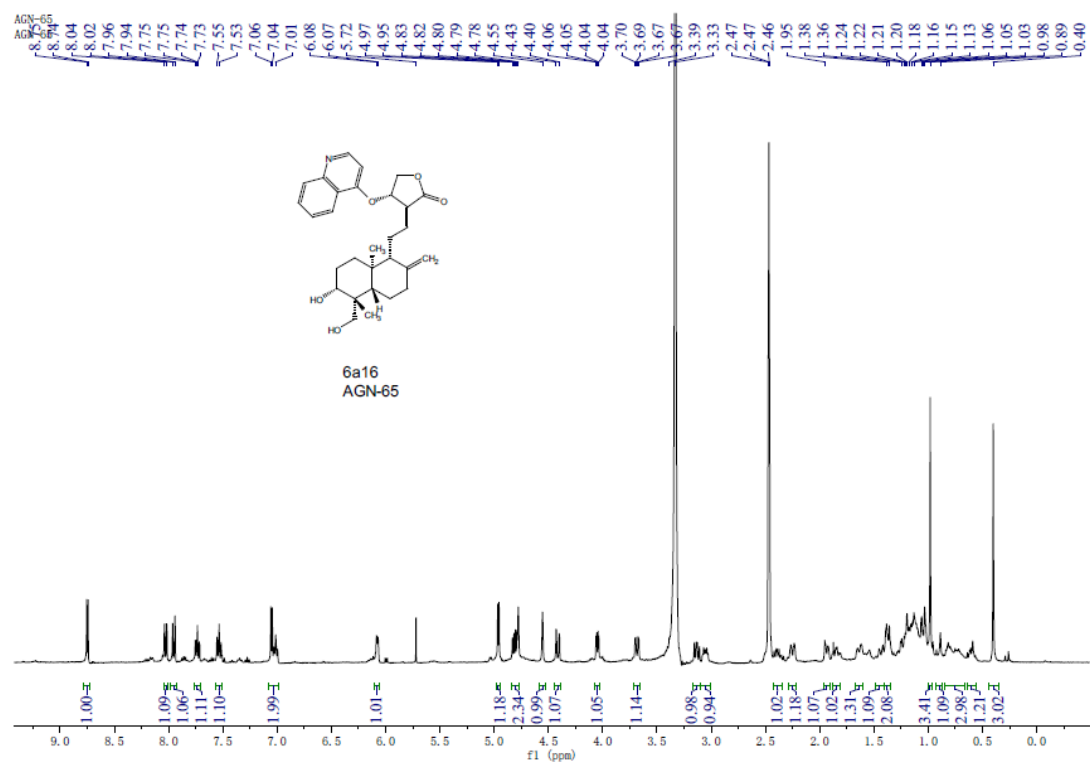
^1H NMR of **6b15**



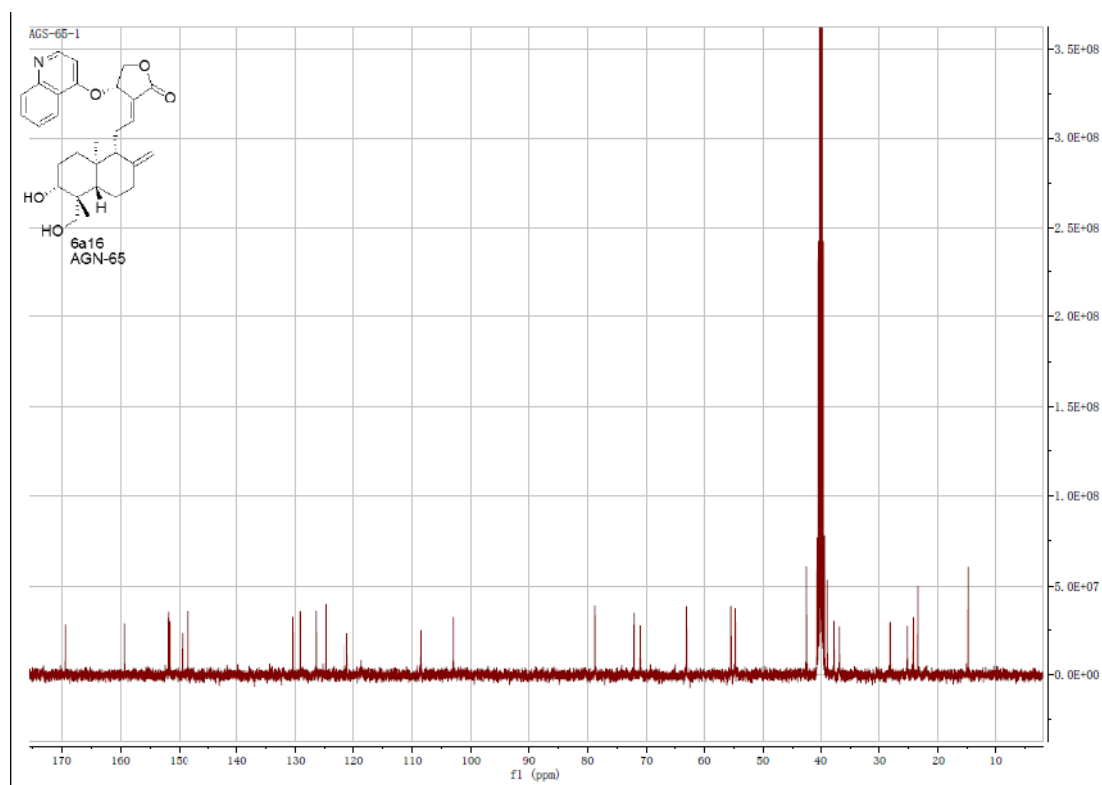
^{13}C NMR of **6b15**



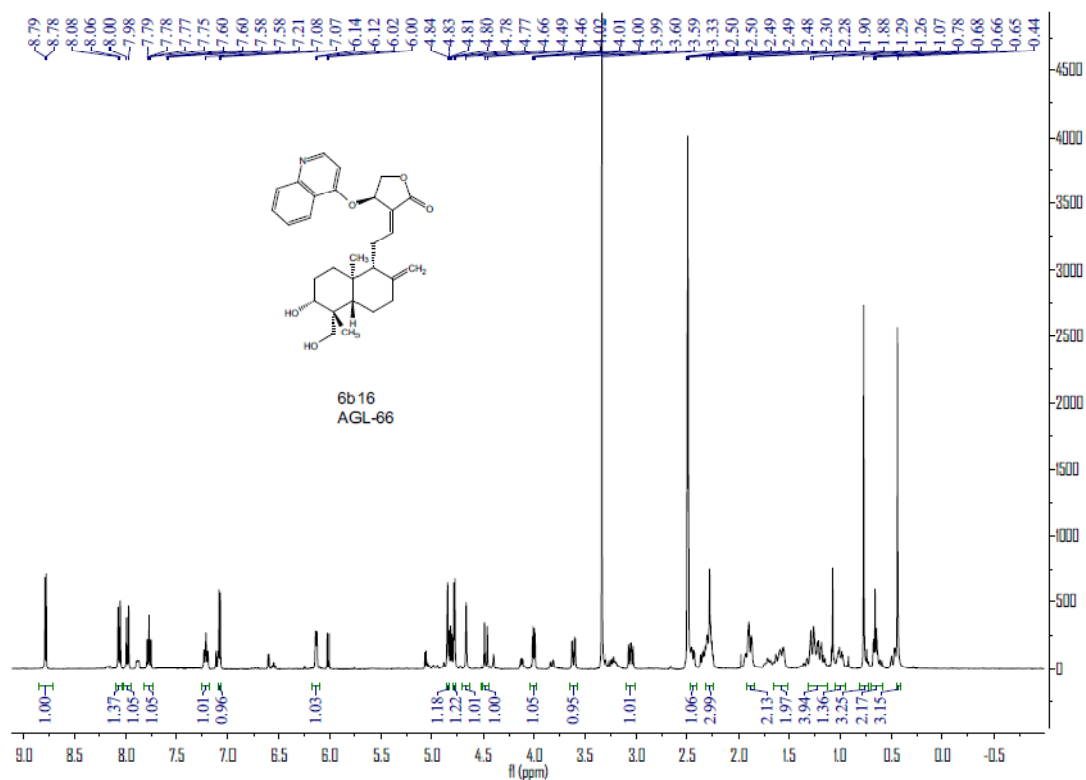
¹H NMR of **6a16**



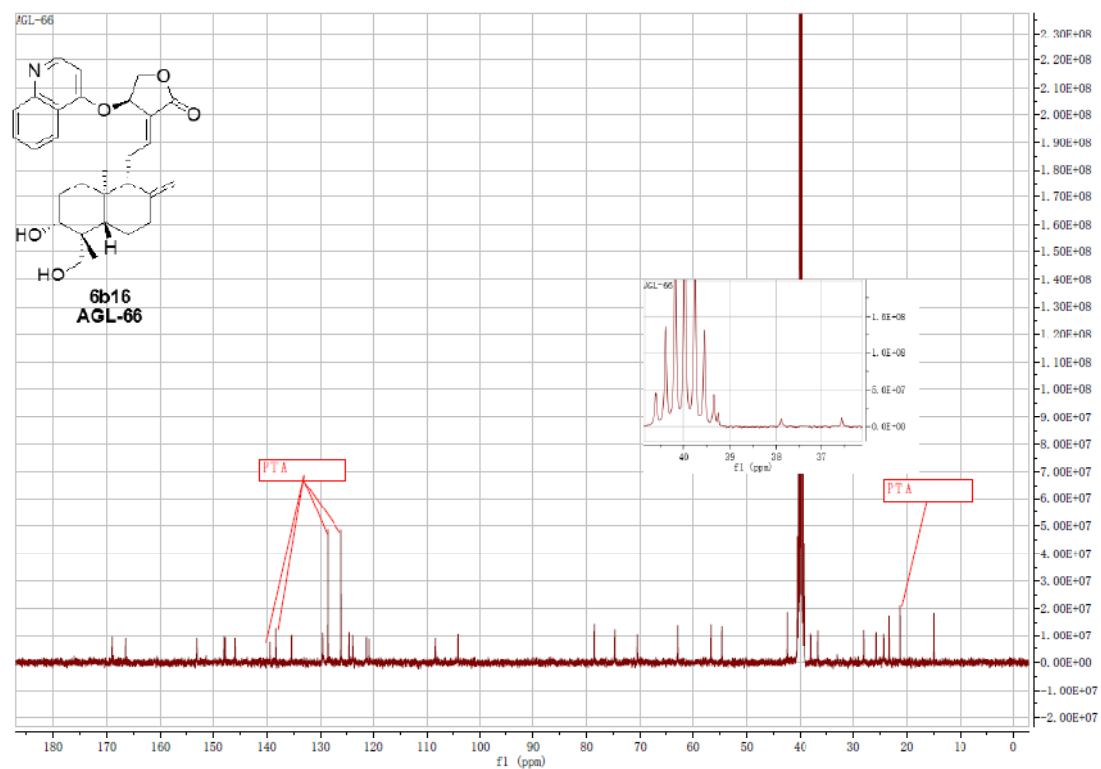
¹³C NMR of **6a16**



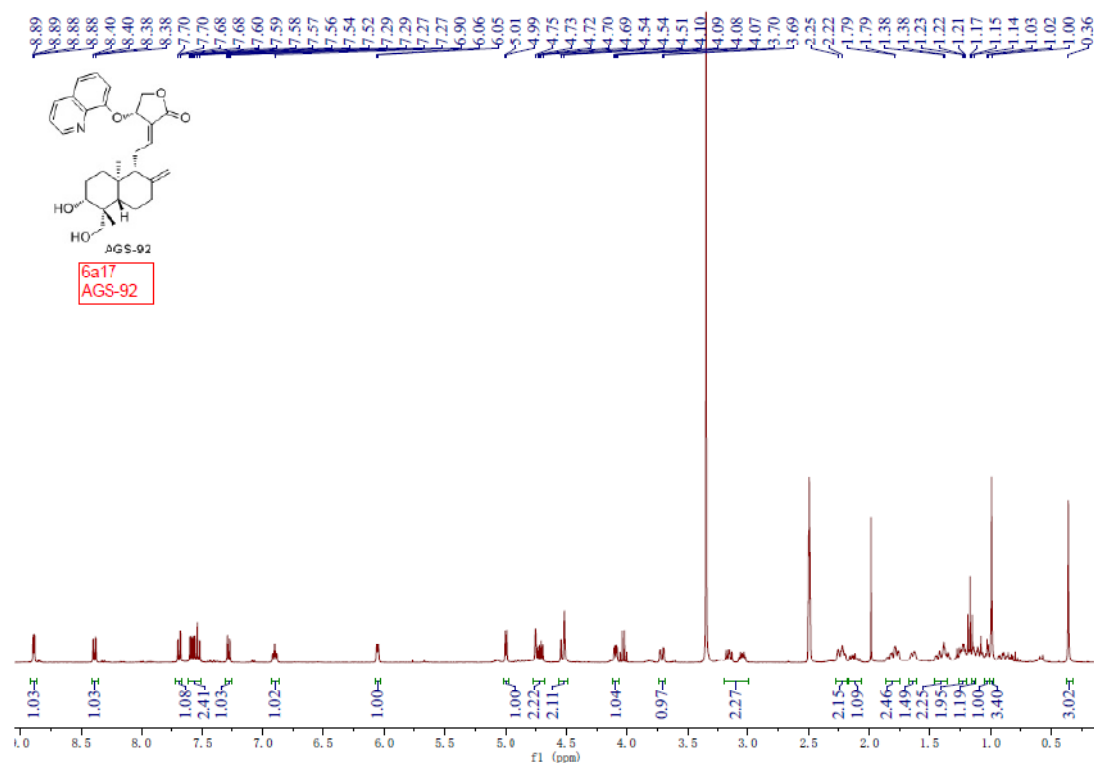
^1H NMR of **6b16**



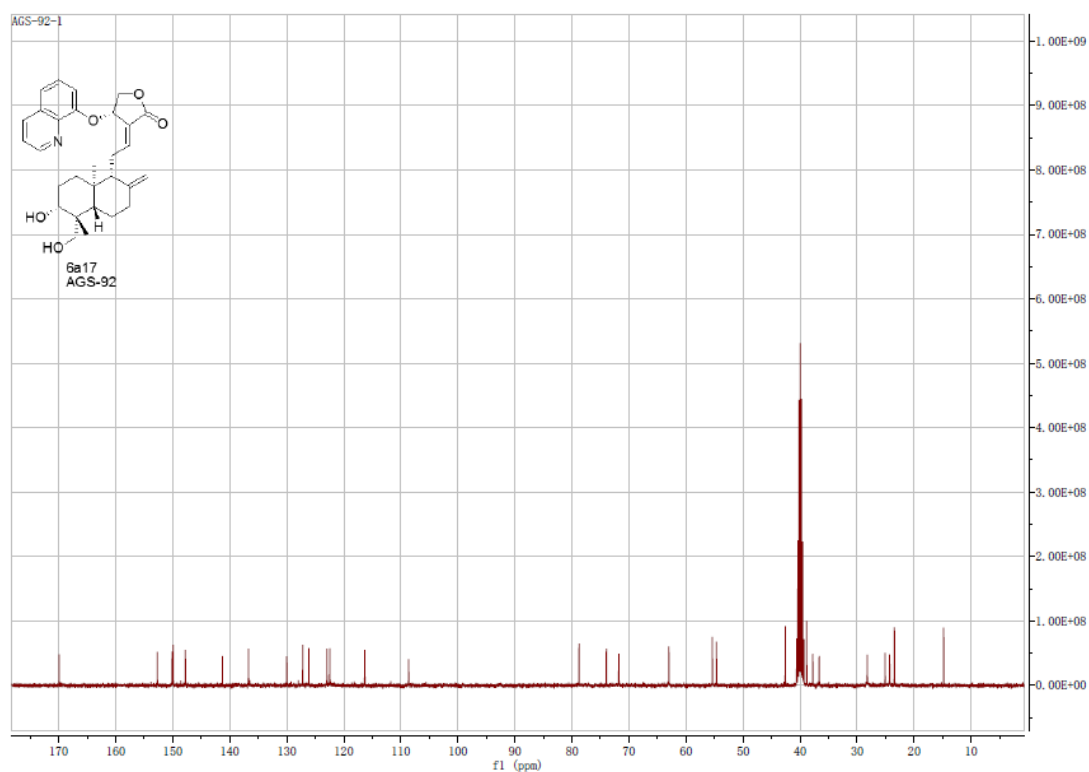
^{13}C NMR of **6b16**



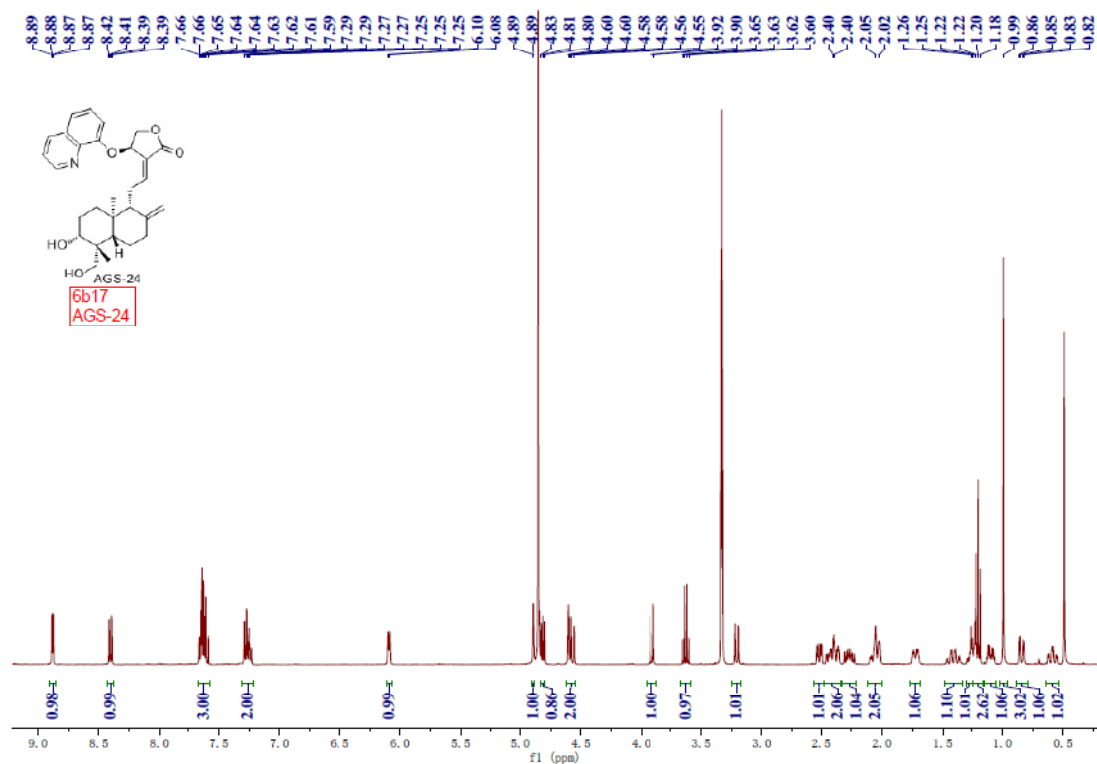
¹H NMR of **6a17**



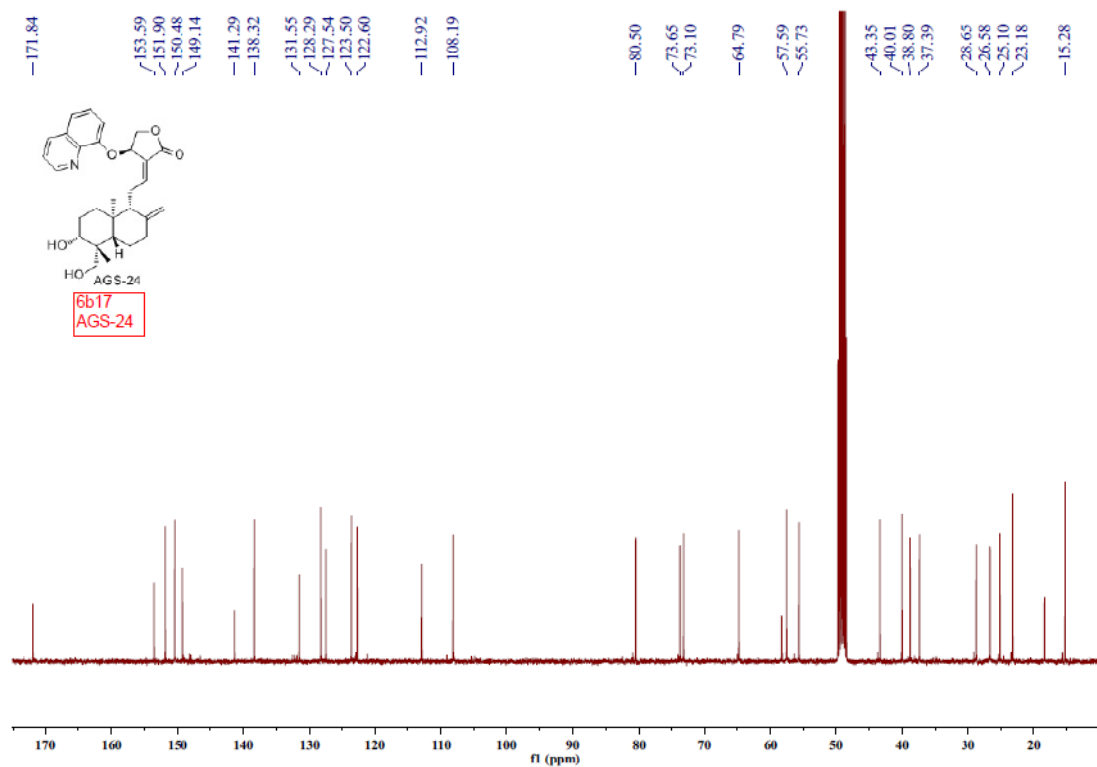
¹³C NMR of **6a17**



^1H NMR of **6b17**

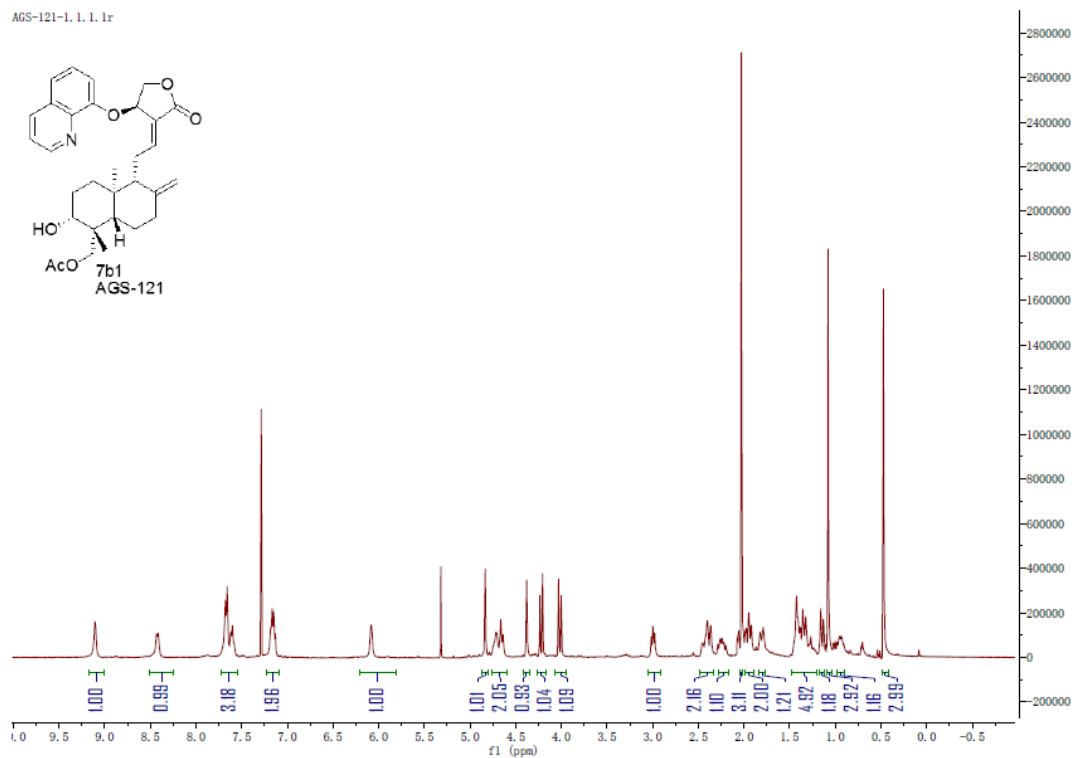


^{13}C NMR of **6b17**



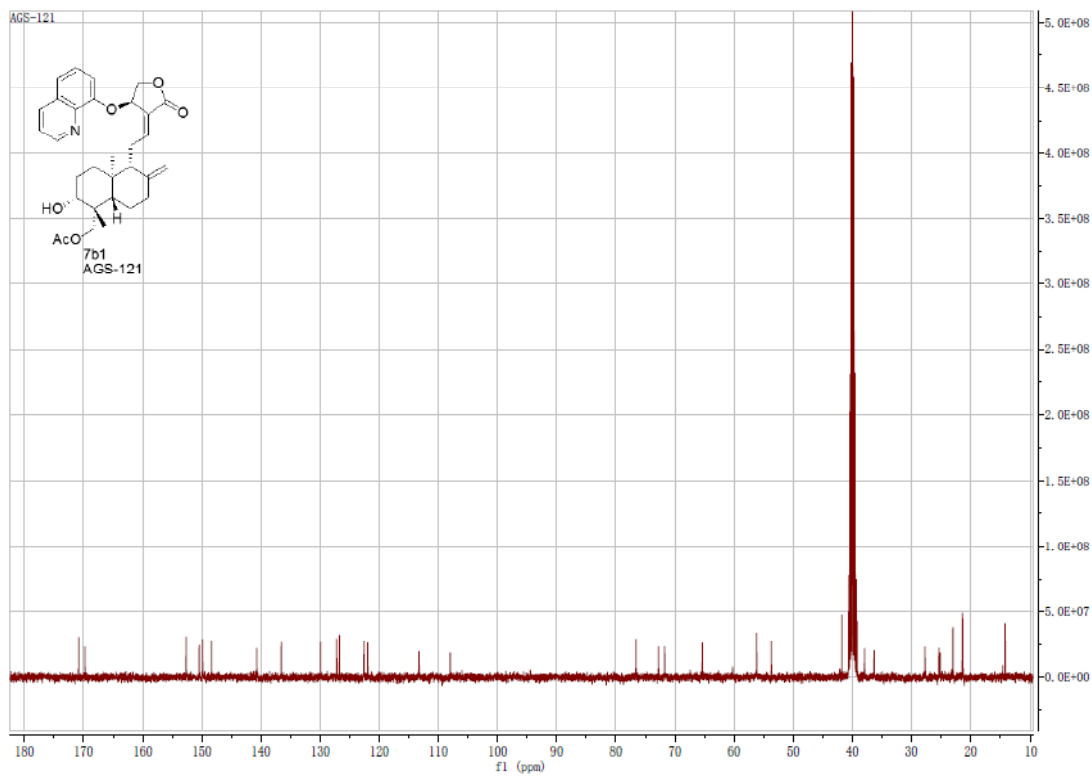
¹H NMR of **7b1**

AGS-121-1, 1, 1, 1r

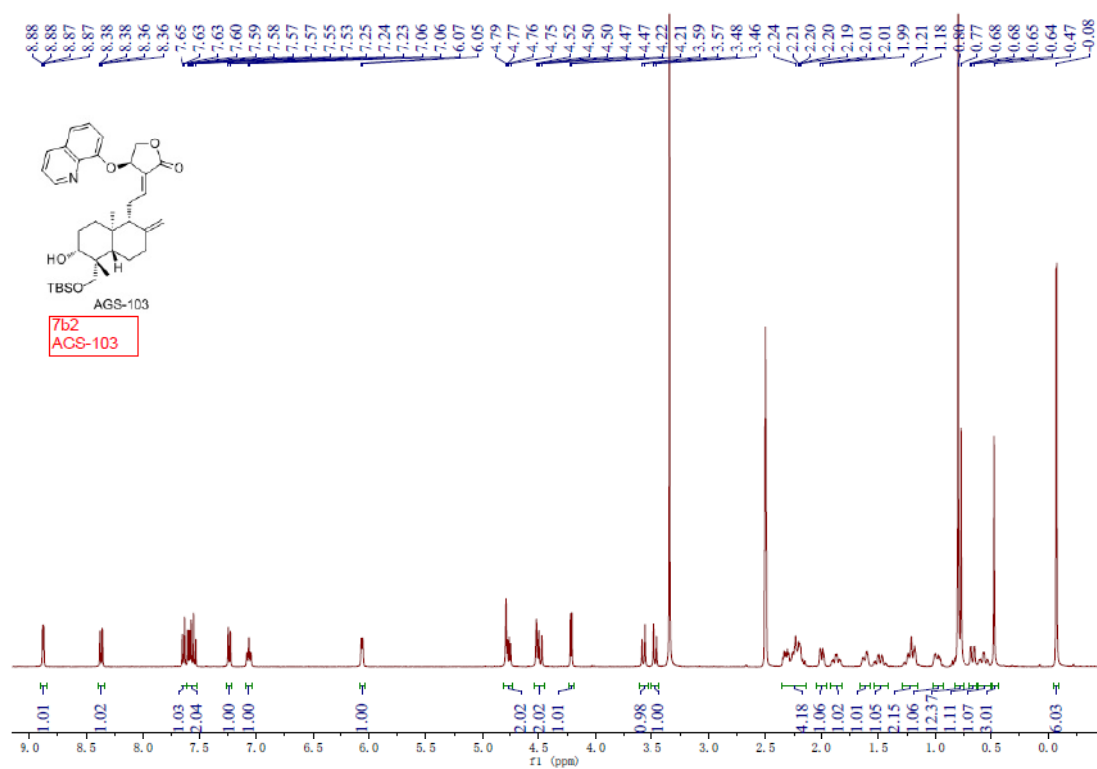


¹³C NMR of **7b1**

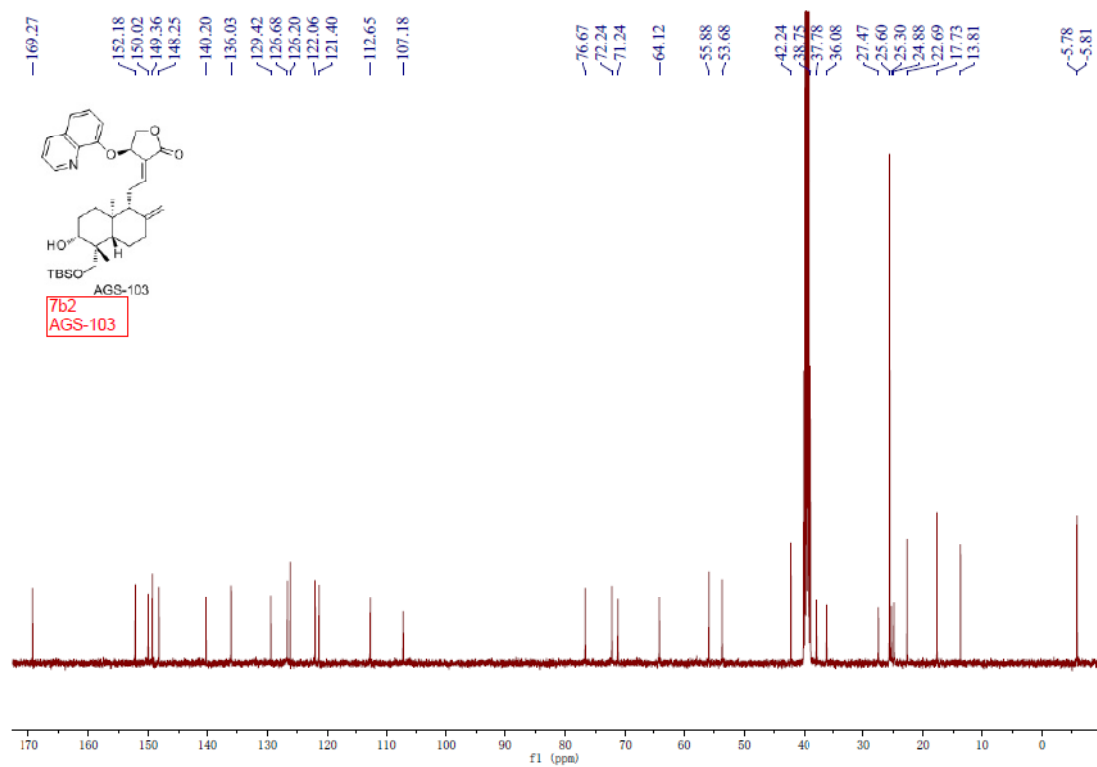
AGS-121



^1H NMR of **7b2**

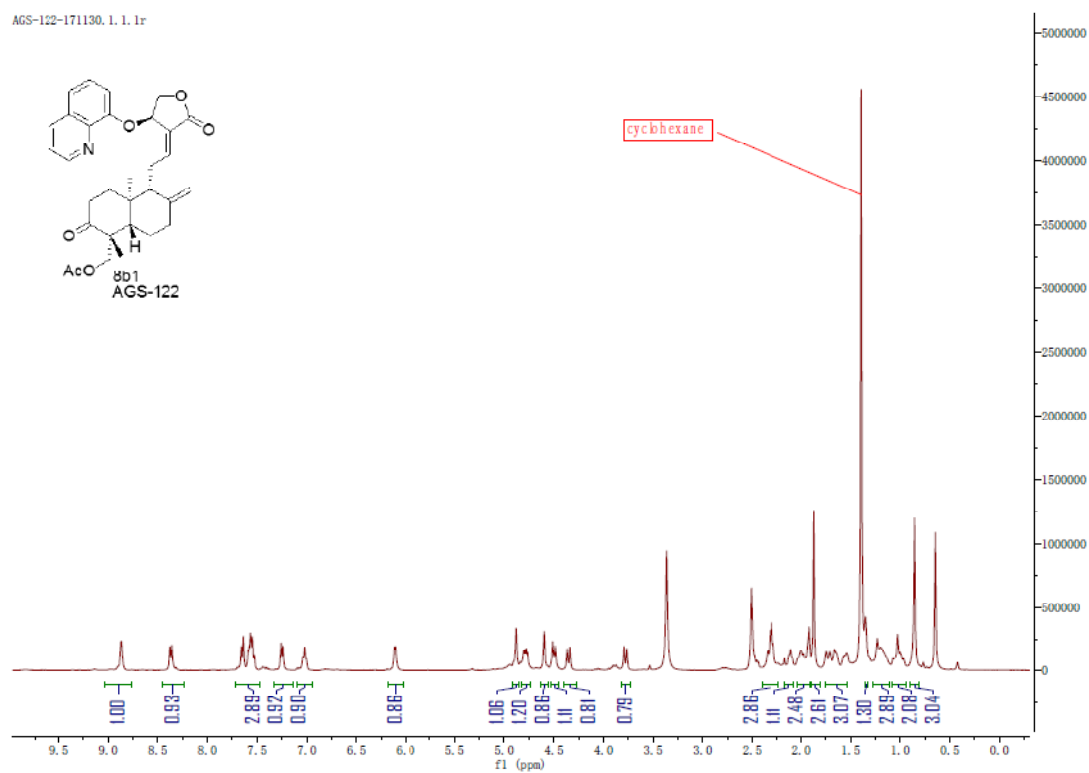


^{13}C NMR of **7b2**



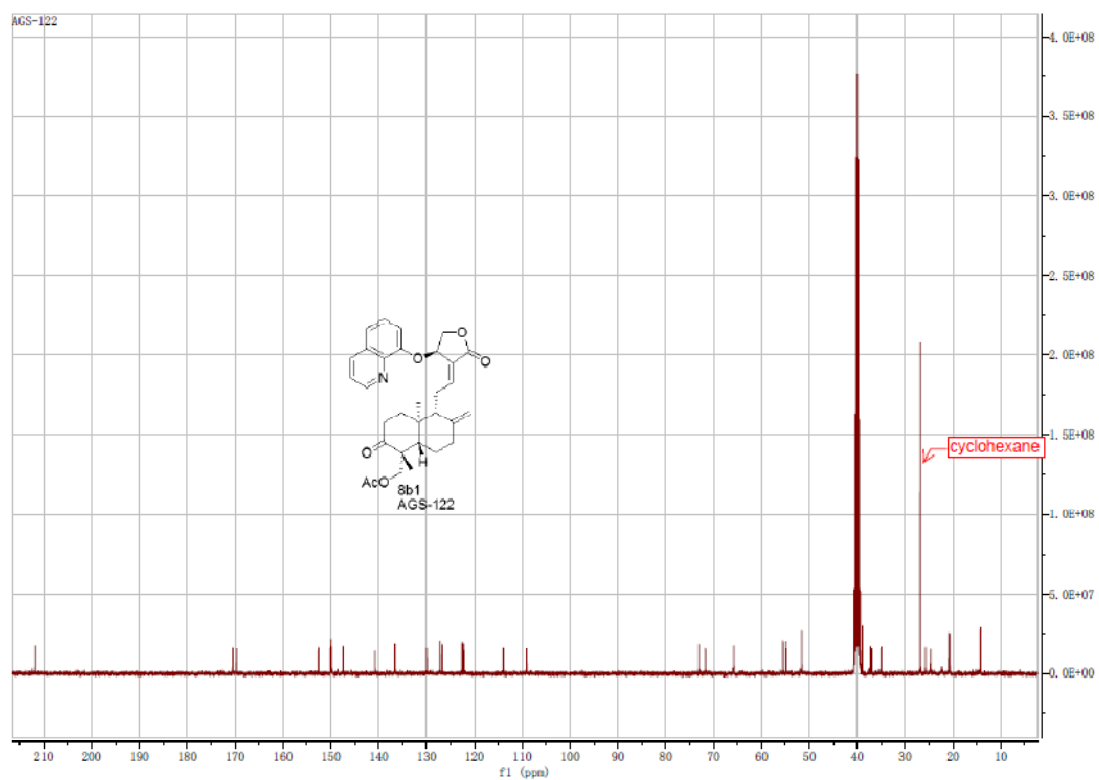
¹H NMR of **8b1**

AGS-122-171130, 1, 1, 1r

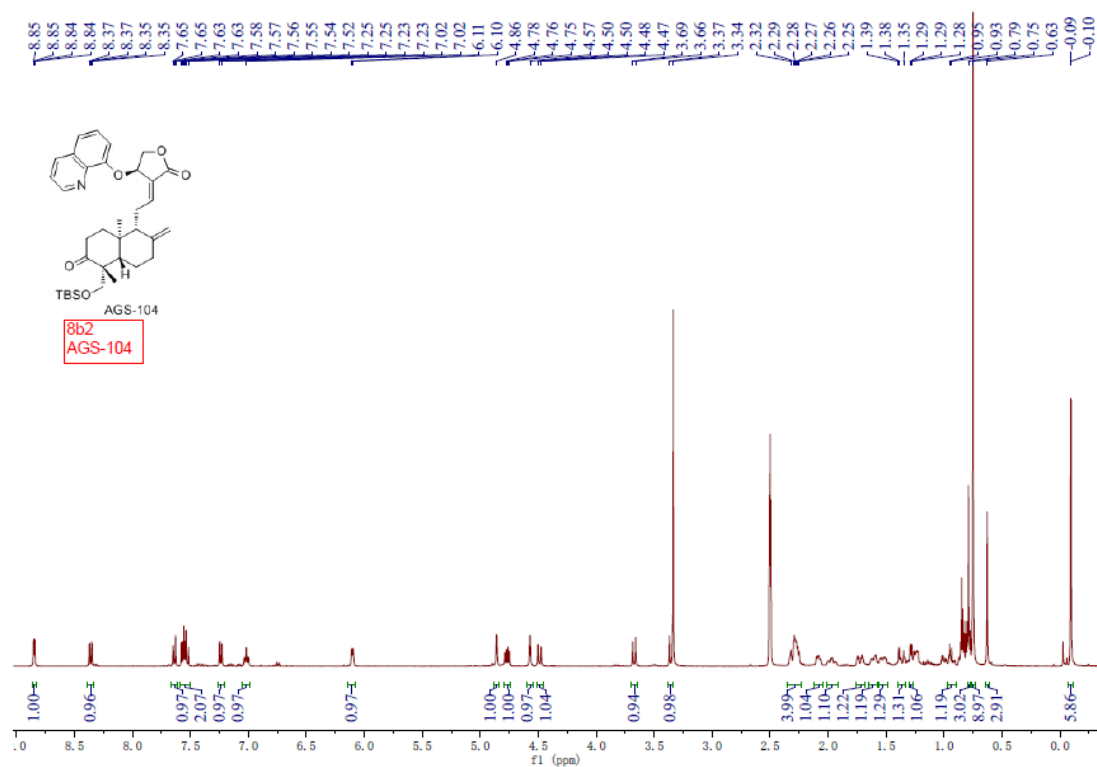


¹³C NMR of **8b1**

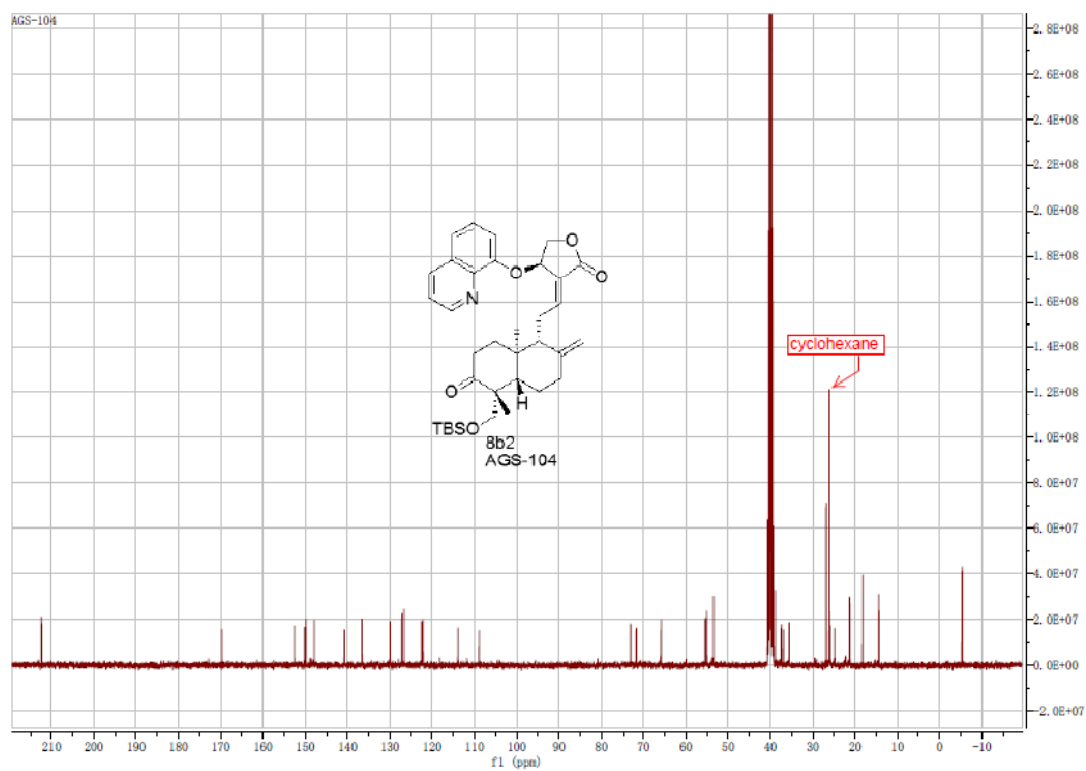
AGS-122



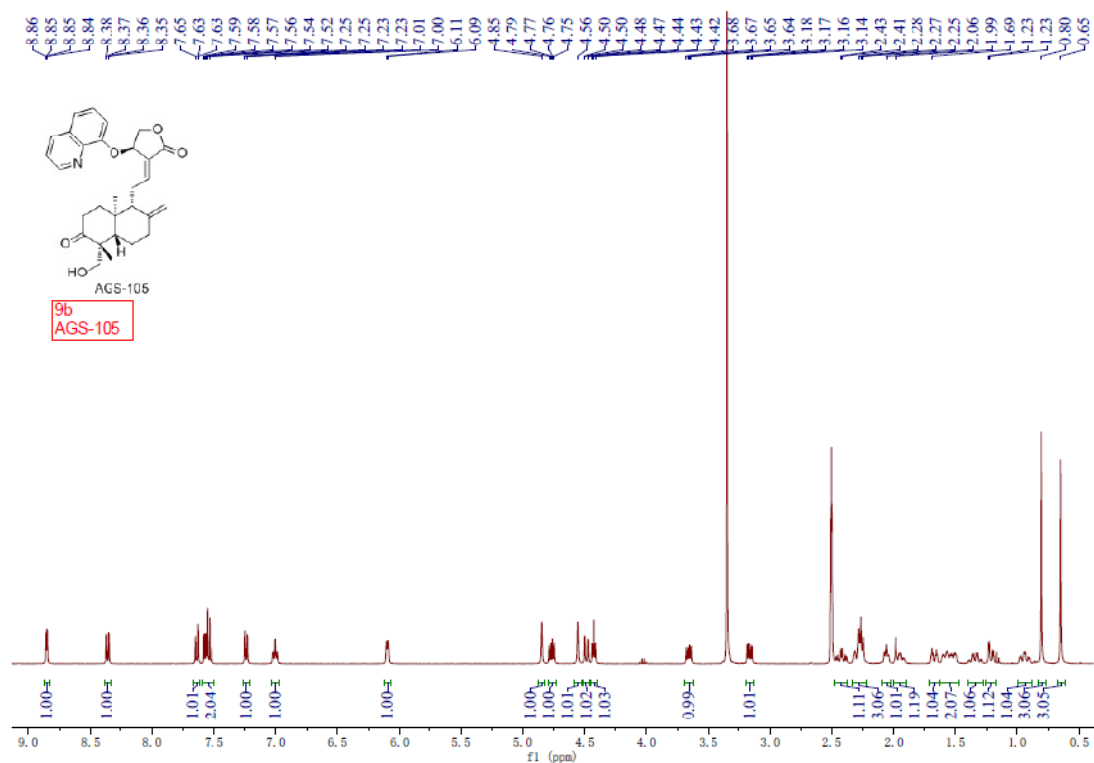
^1H NMR of **8b2**



^{13}C NMR of **8b2**



^1H NMR of **9b**



^{13}C NMR of **9b**

