

Concise Total Synthesis of Biologically Interesting Mallotophilipens C and E

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Spectral Data

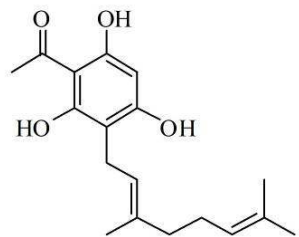
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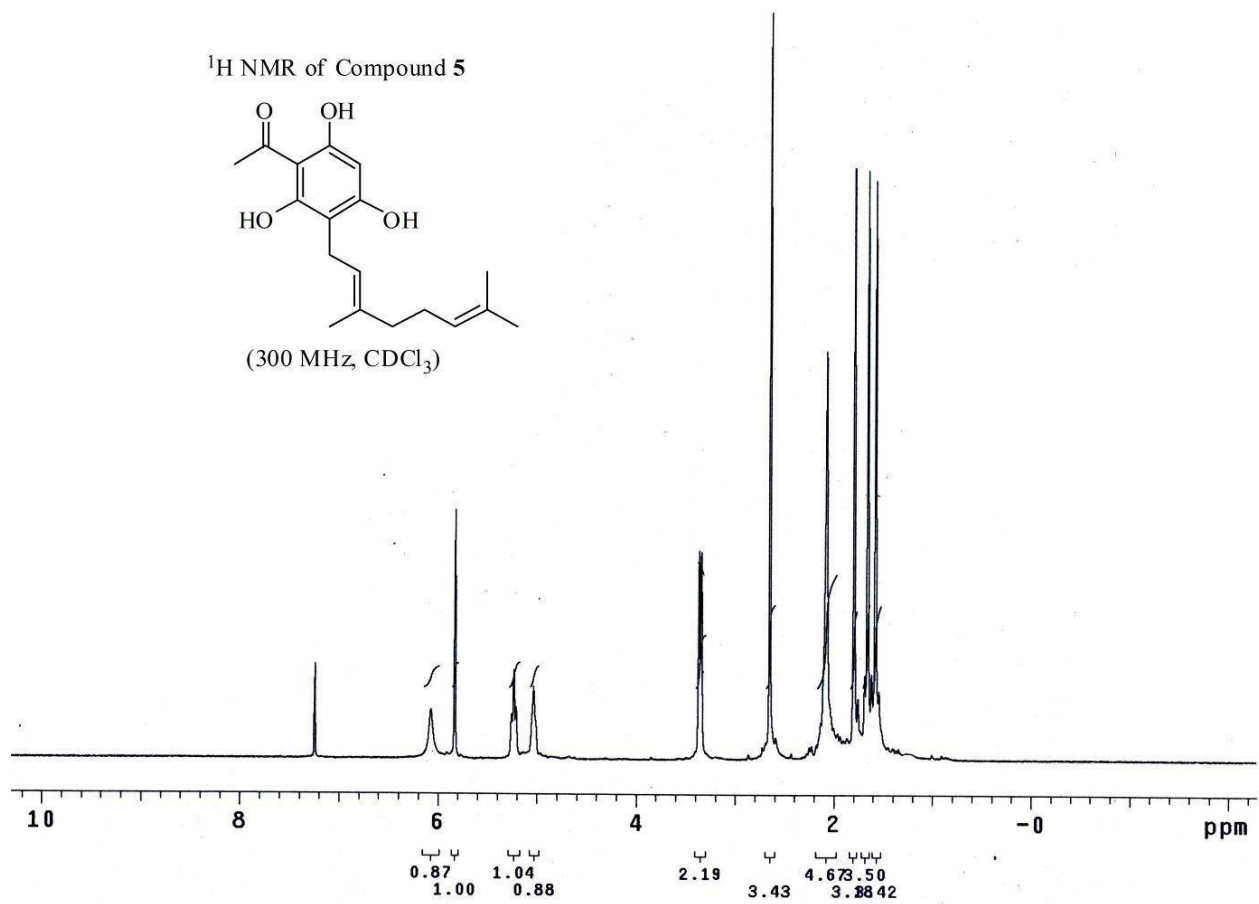
General Experimental Method

All the experiments were carried out in a nitrogen atmosphere. Merck precoated silica gel plates with a fluorescent indicator were used for analytical TLC. Flash column chromatography was performed using silica gel 9385. NMR spectroscopy was carried out in CDCl_3 with residual CHCl_3 ($\delta_{\text{H}} = 7.26$ ppm) and CDCl_3 ($\delta_{\text{C}} = 77.0$ ppm) as the internal standards, while IR spectra were obtained for thin films on NaCl plates. The HRMS and MS spectra were carried out at the Korea Basic Science Institute.

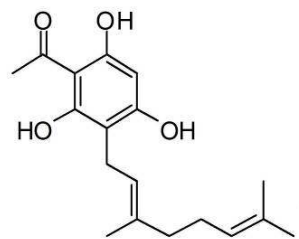
¹H NMR of Compound 5



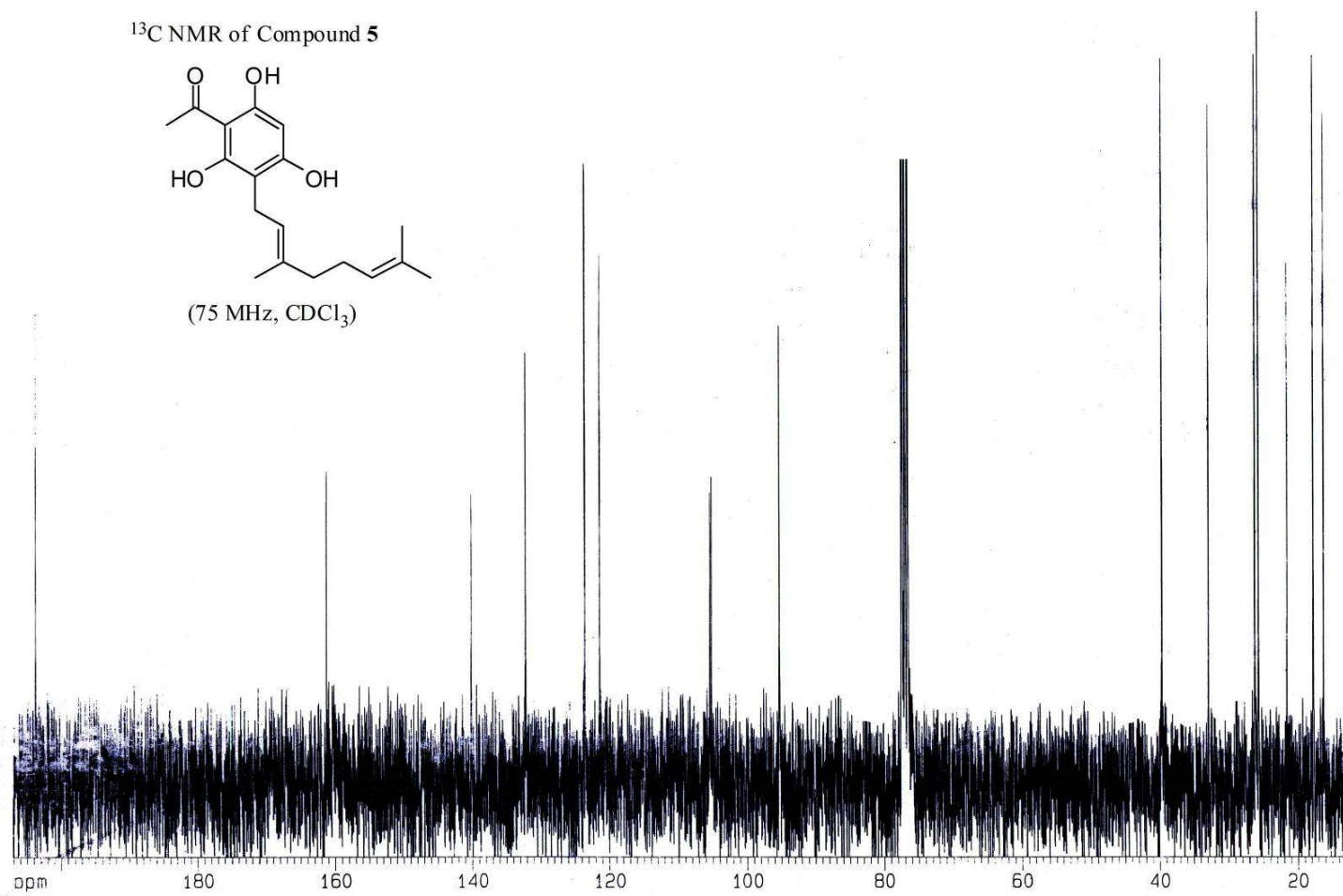
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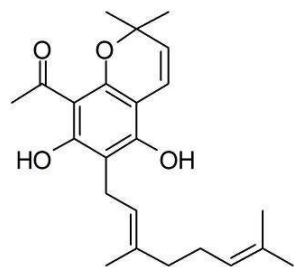
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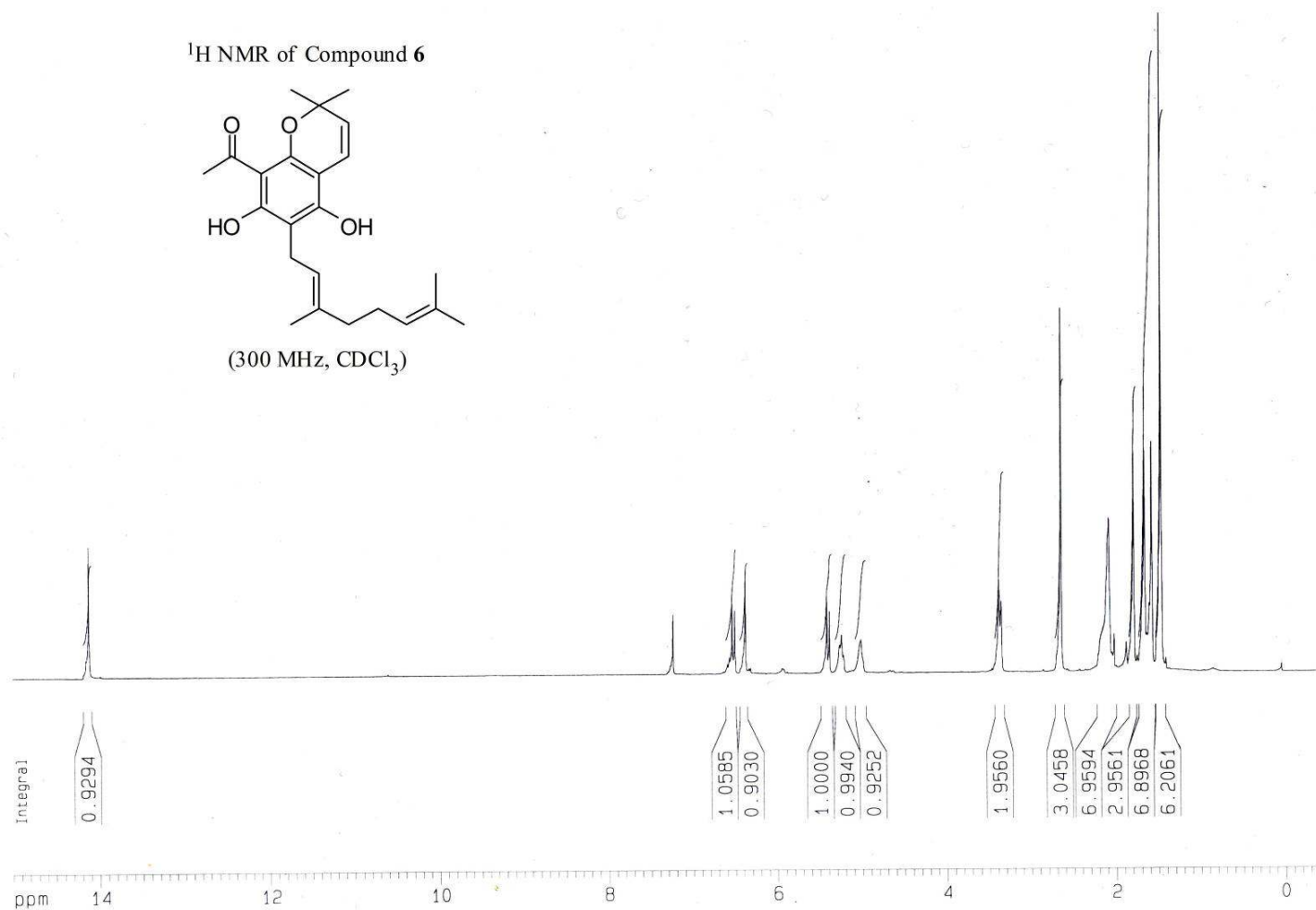
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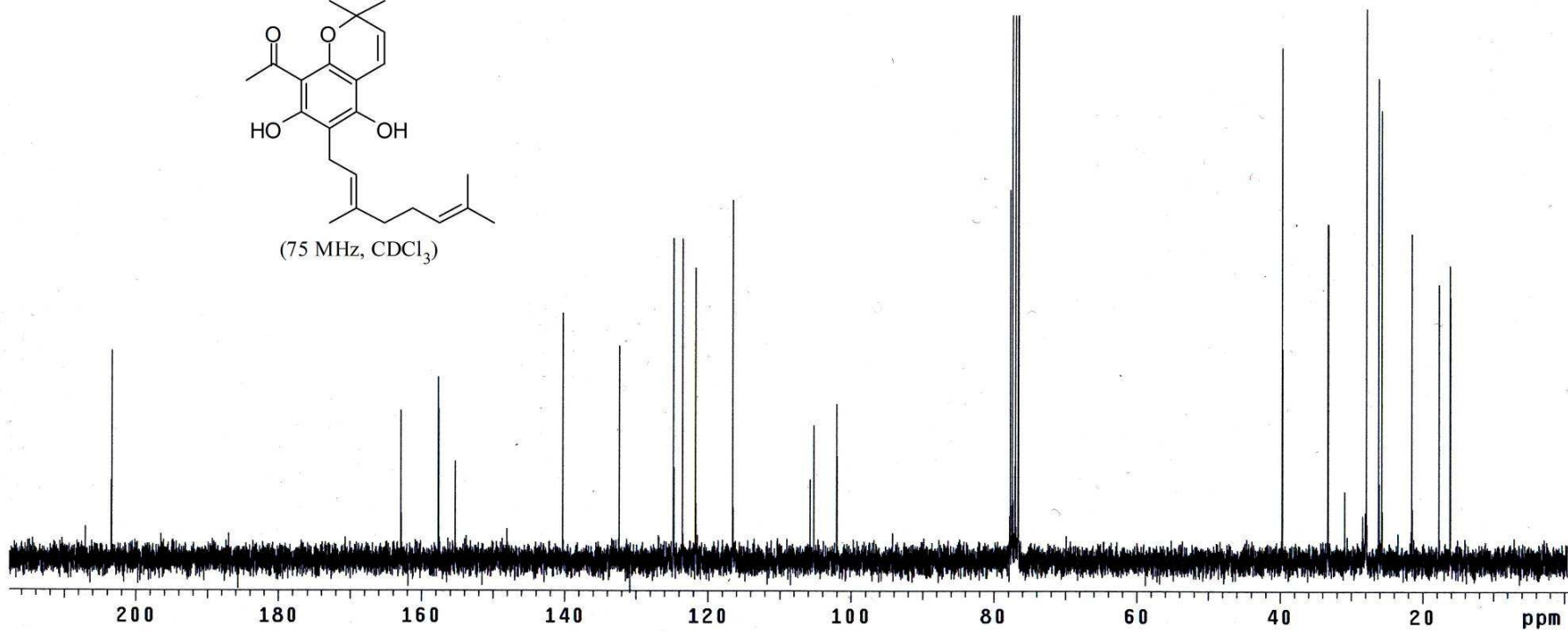
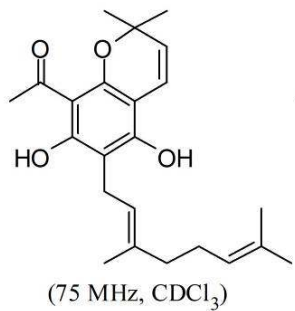
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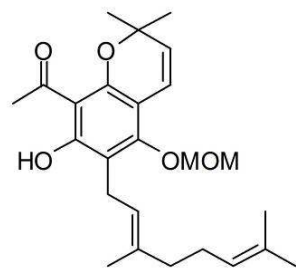
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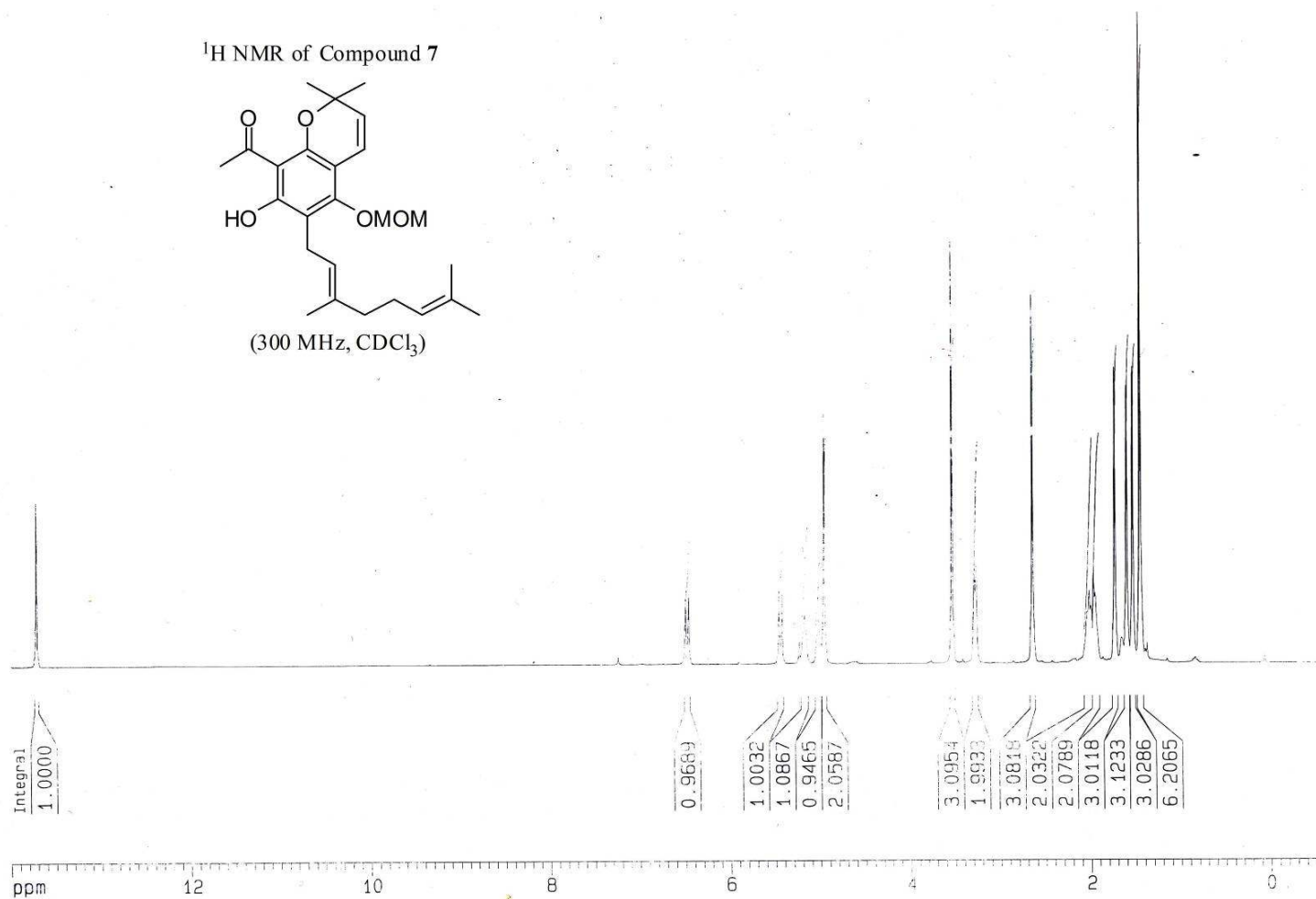
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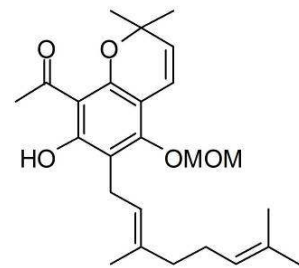
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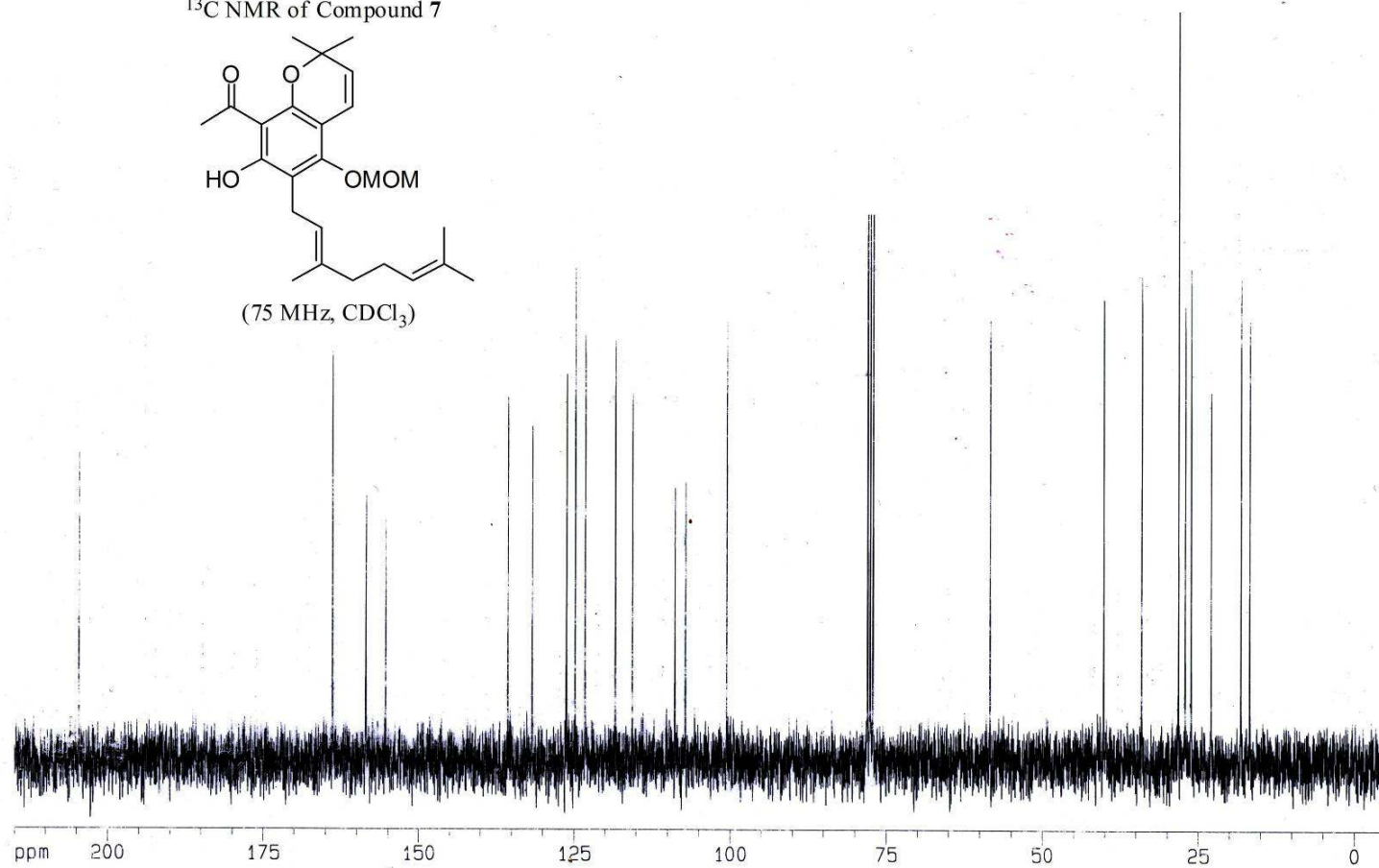
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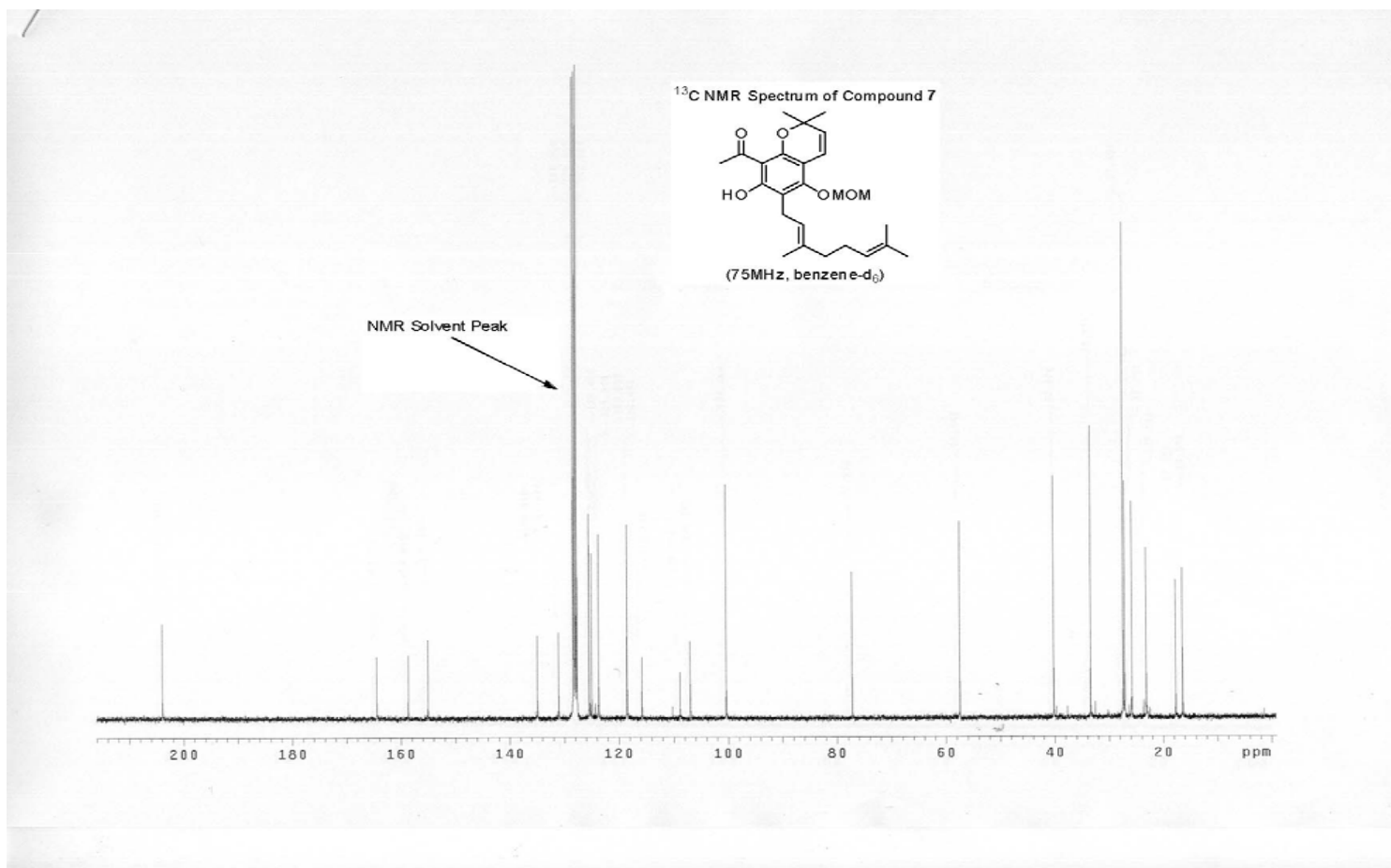


¹³C NMR of Compound 7

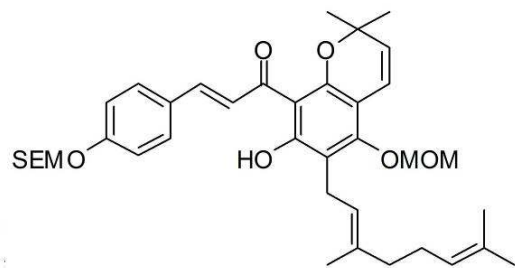


(75 MHz, CDCl₃)

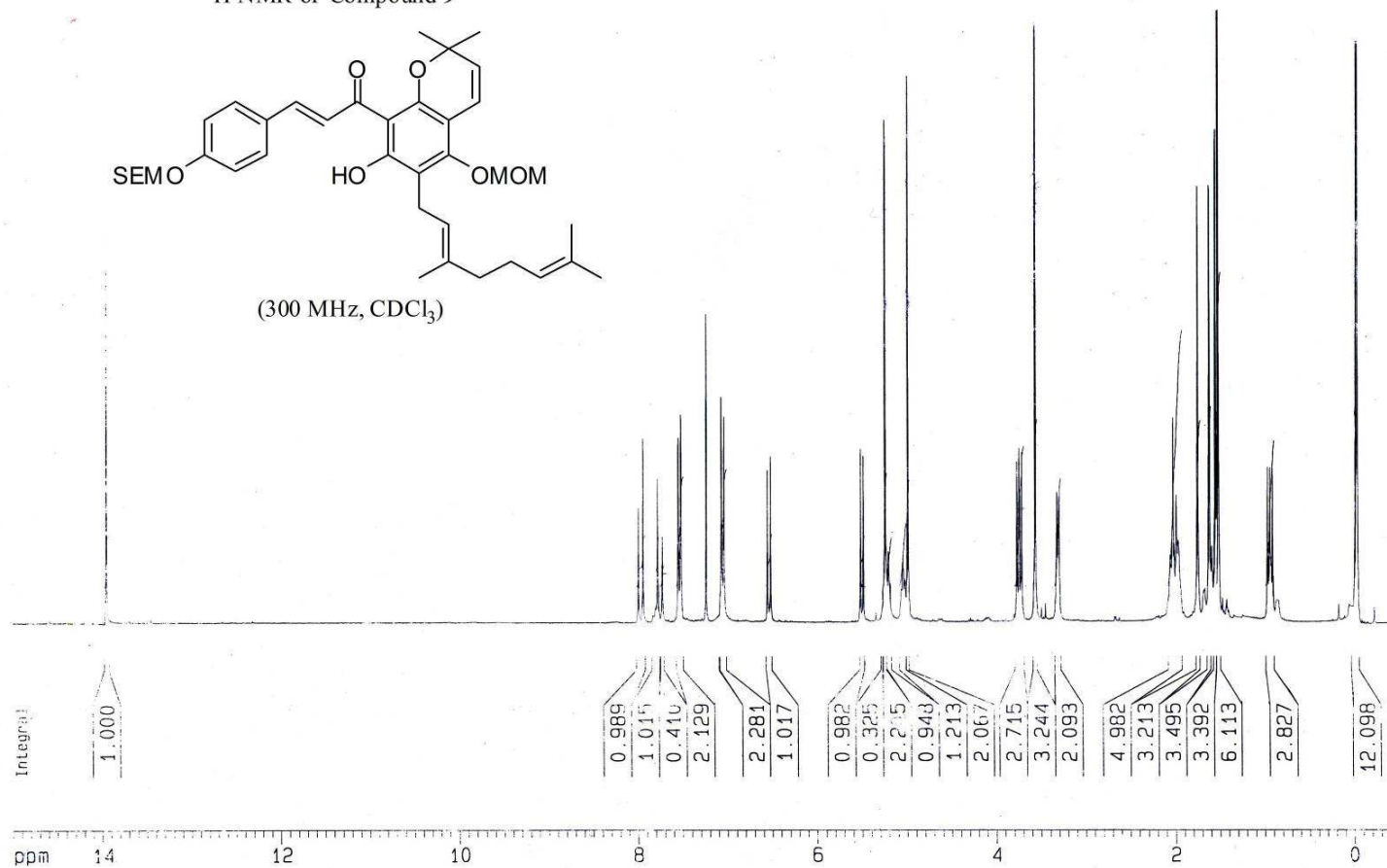




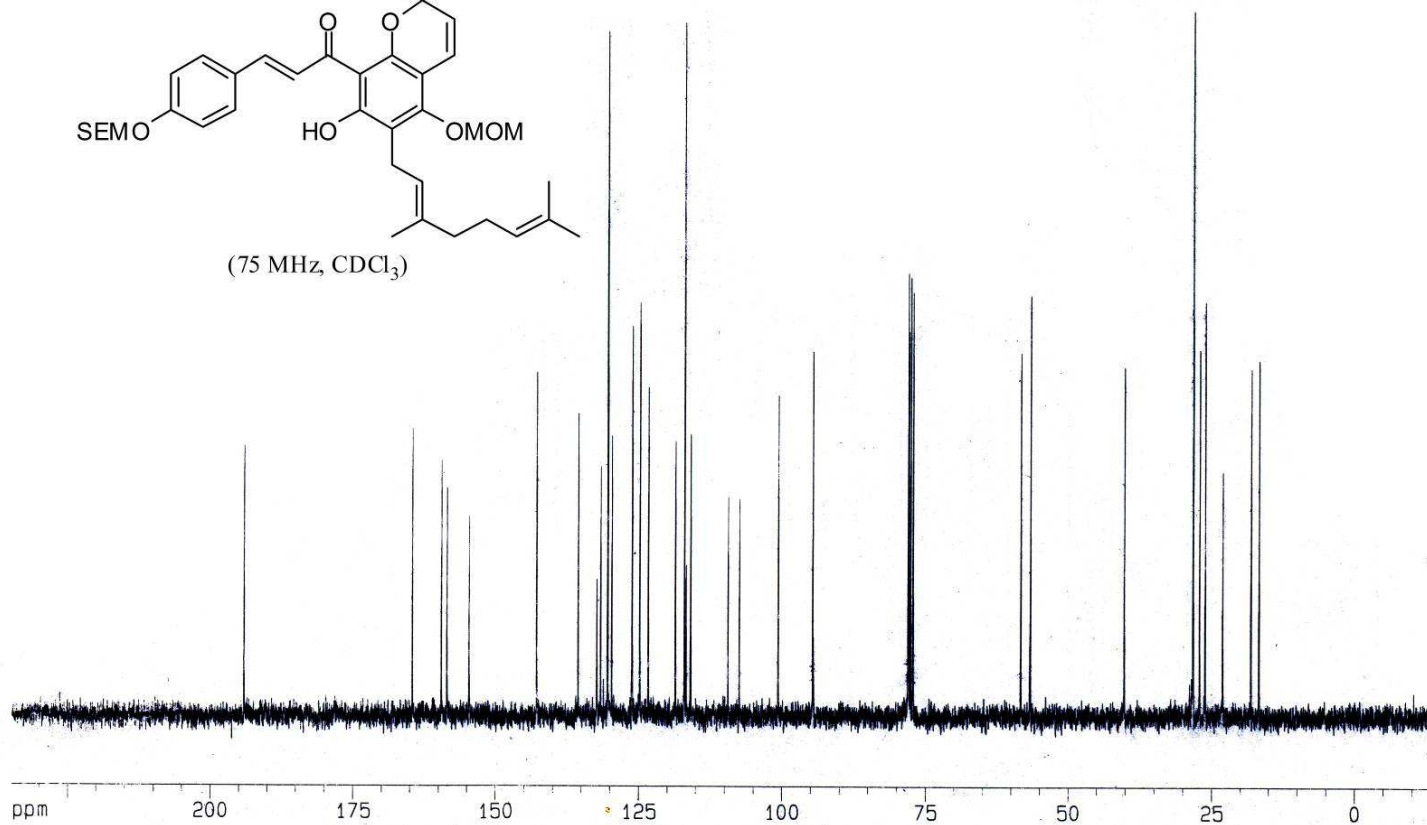
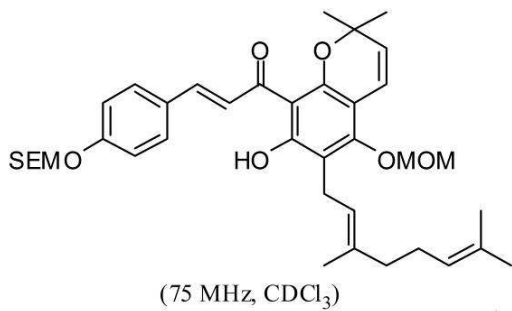
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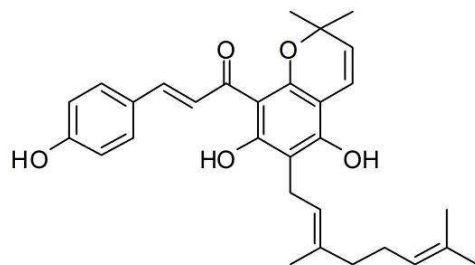
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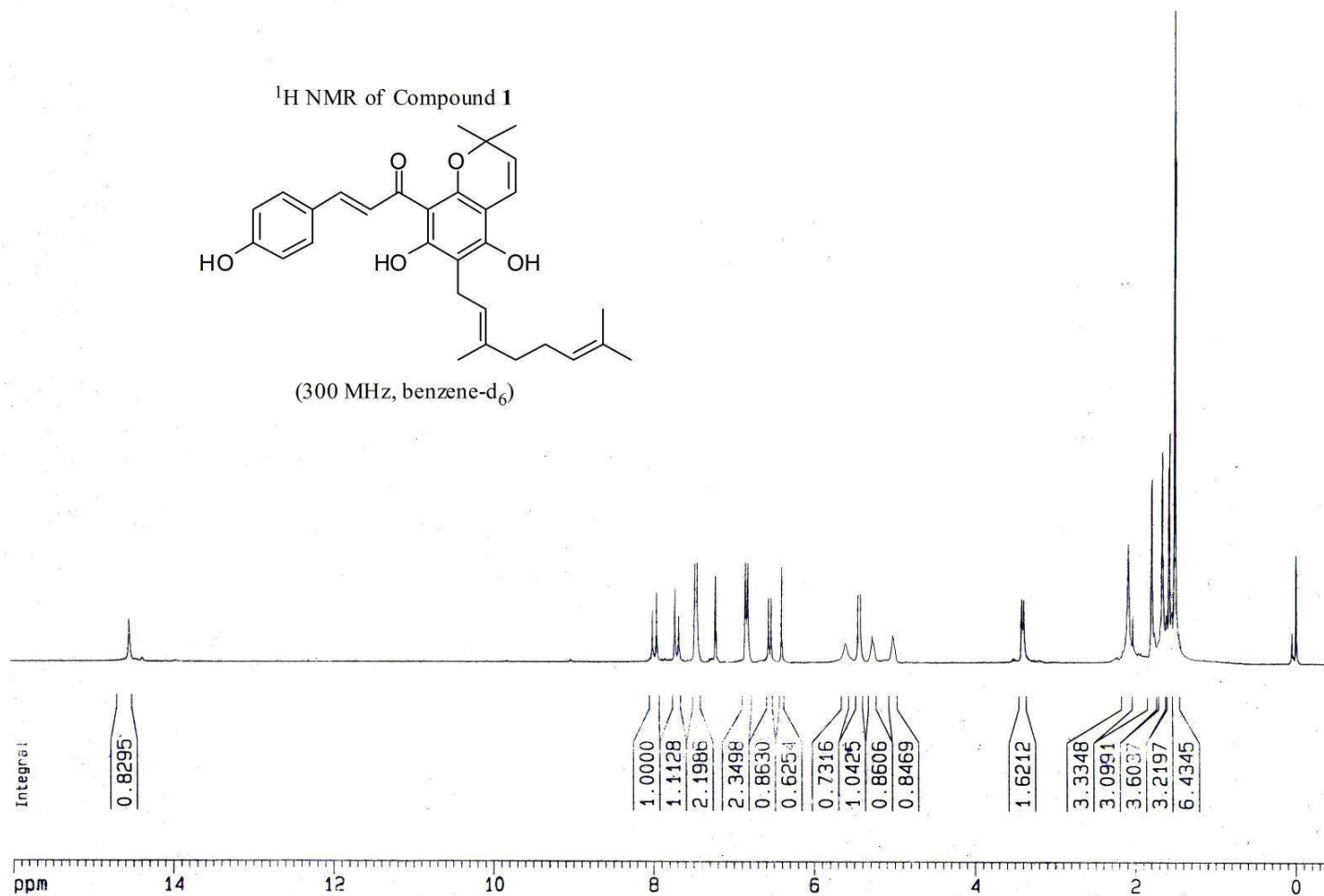
¹³C NMR of Compound 9



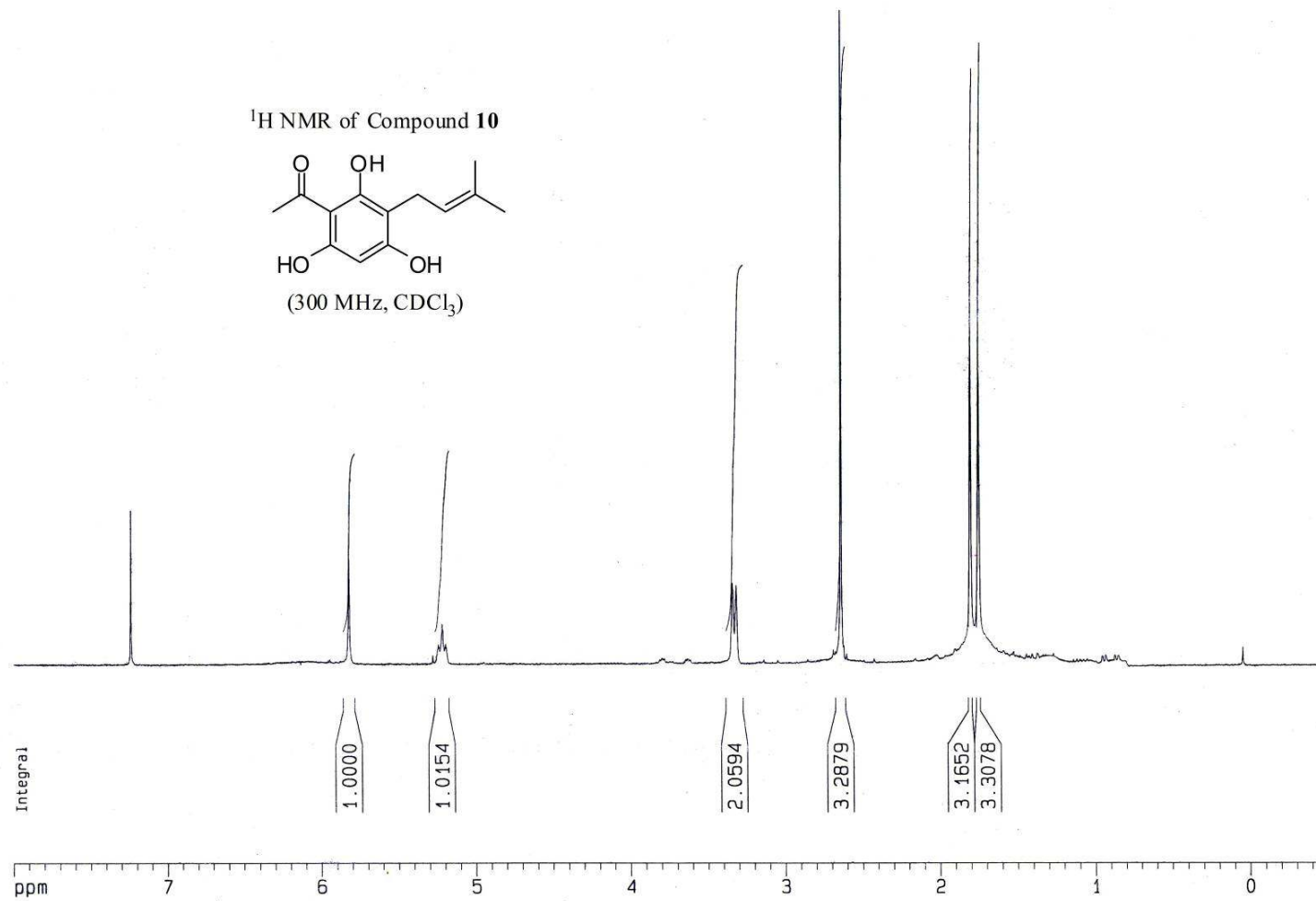
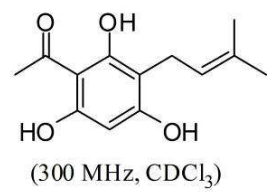
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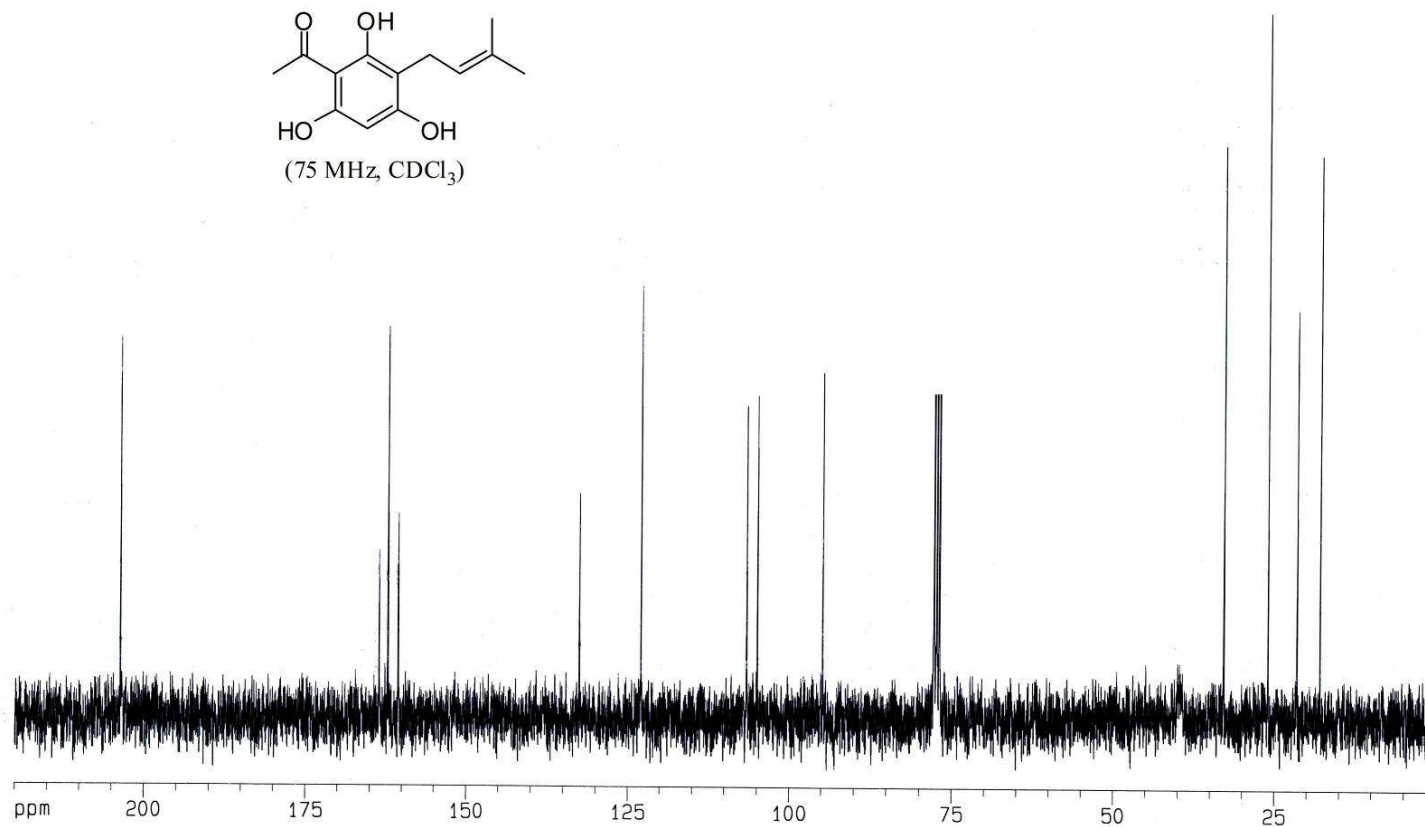
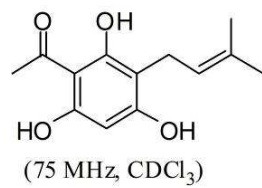
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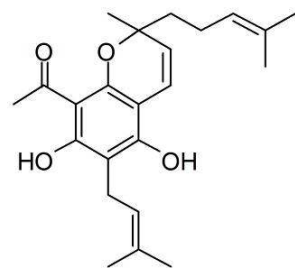
¹H NMR of Compound 10



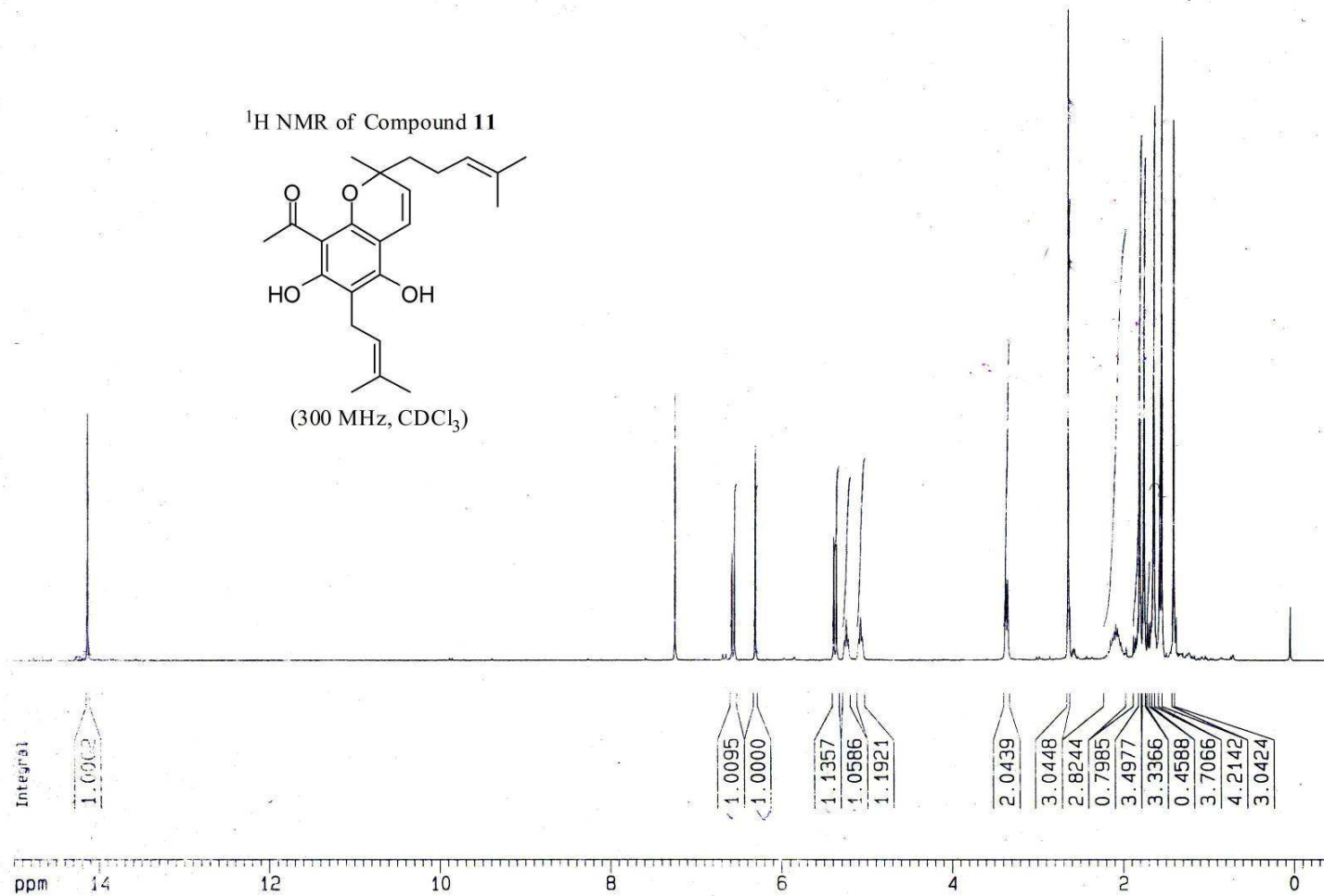
¹³C NMR of Compound 10



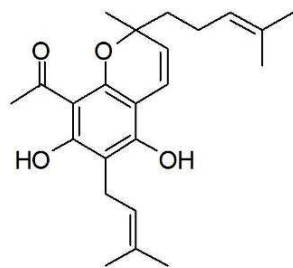
¹H NMR of Compound 11



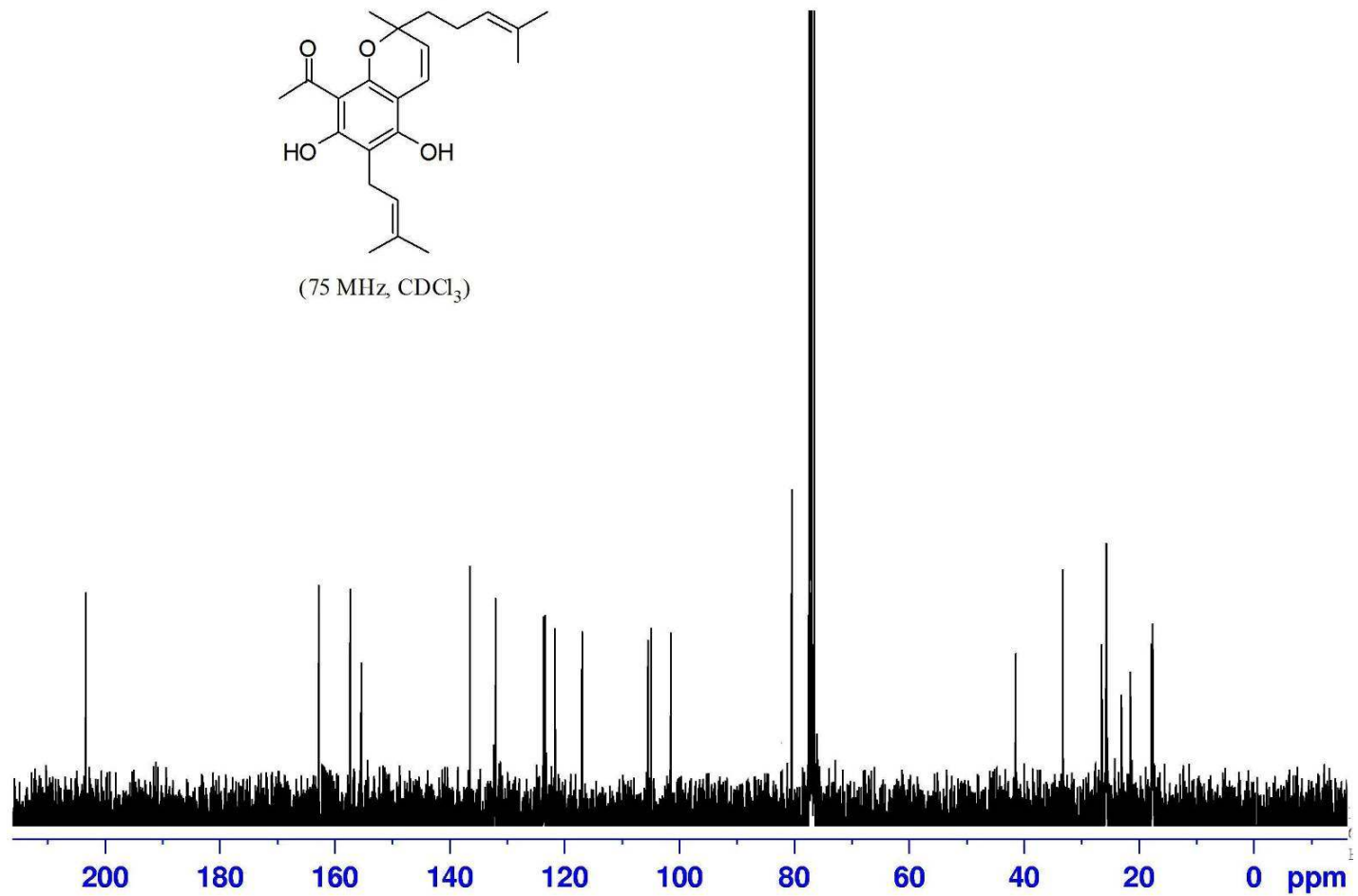
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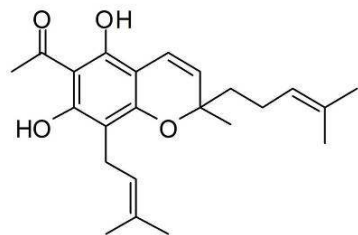
¹³C NMR of Compound **11**



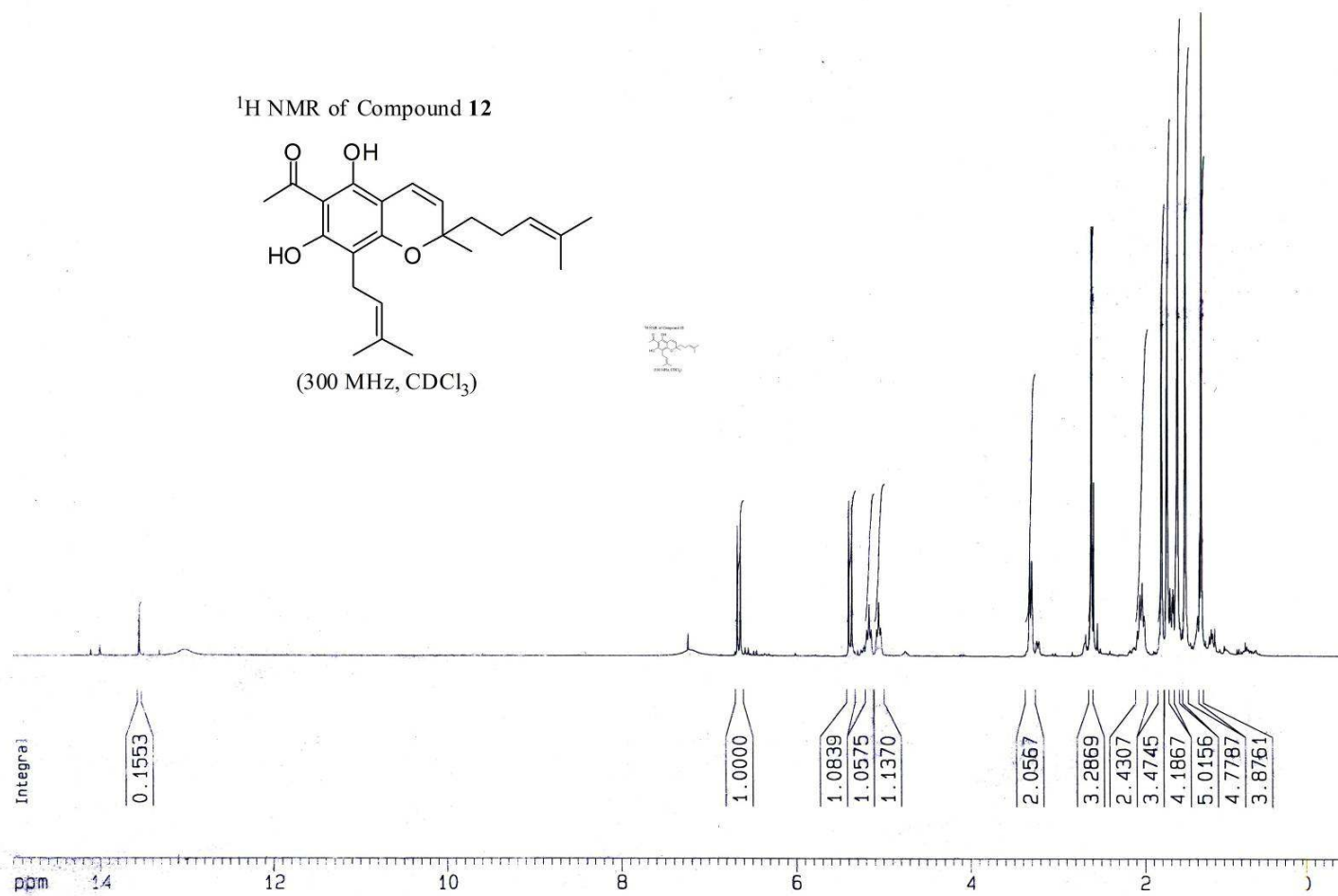
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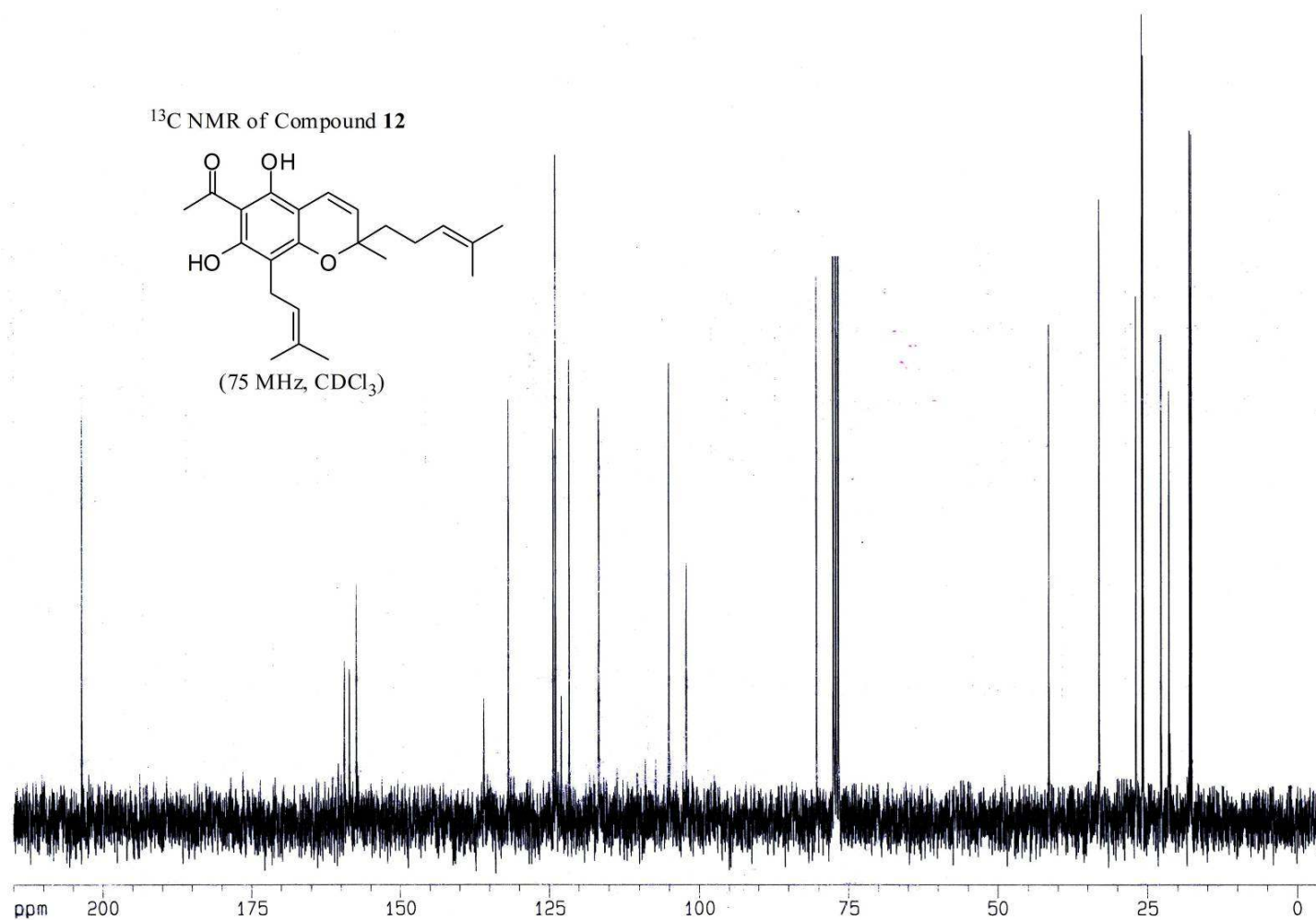
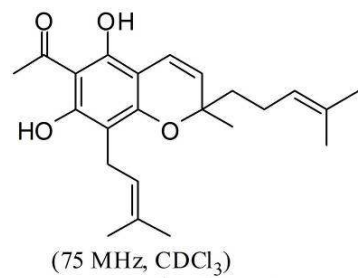
¹H NMR of Compound 12



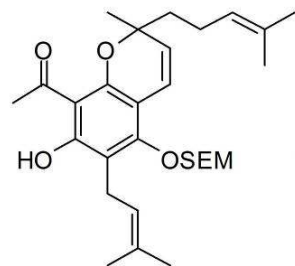
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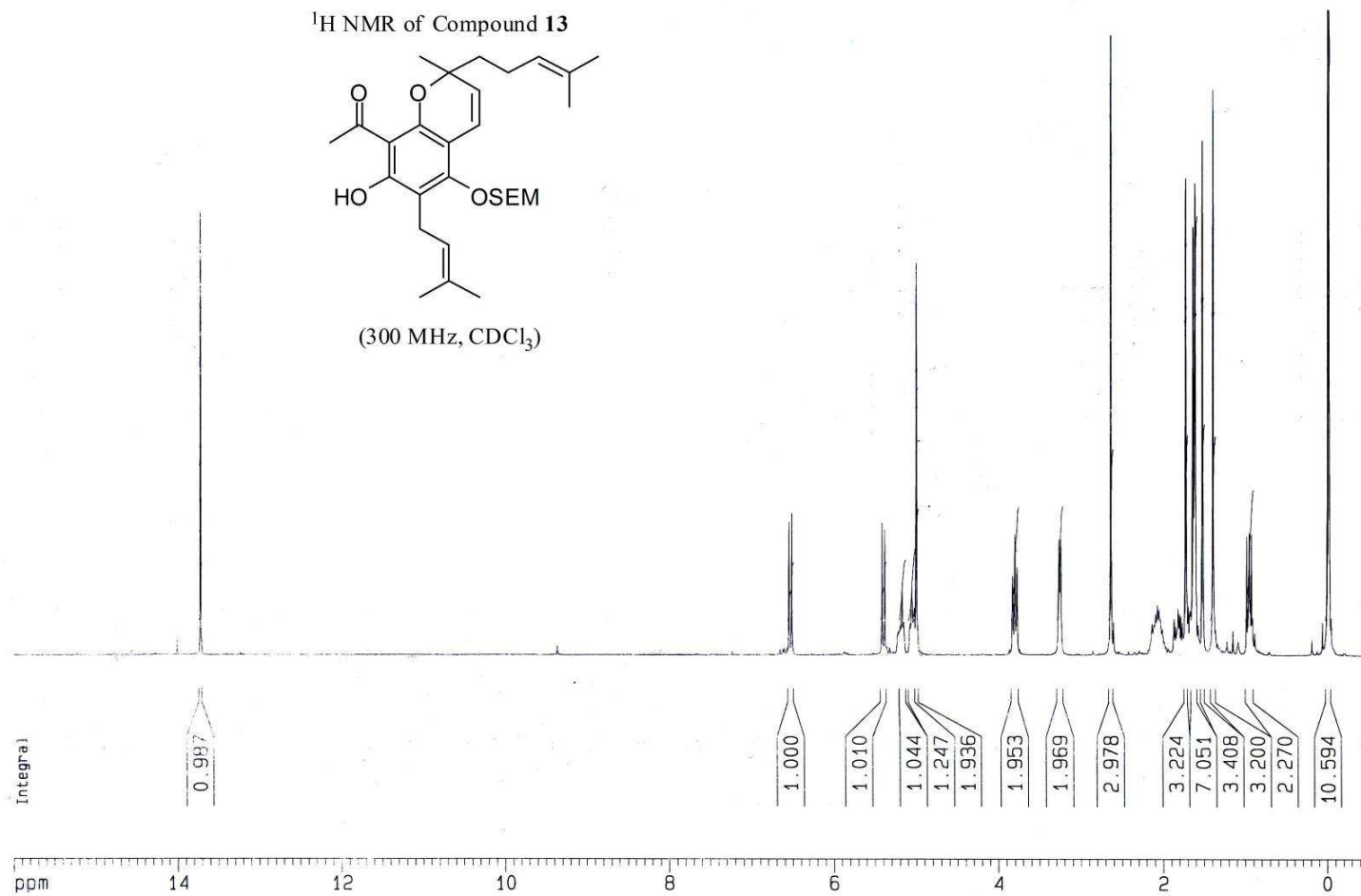
¹³C NMR of Compound 12



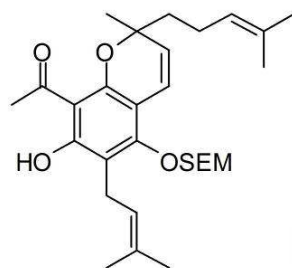
¹H NMR of Compound 13



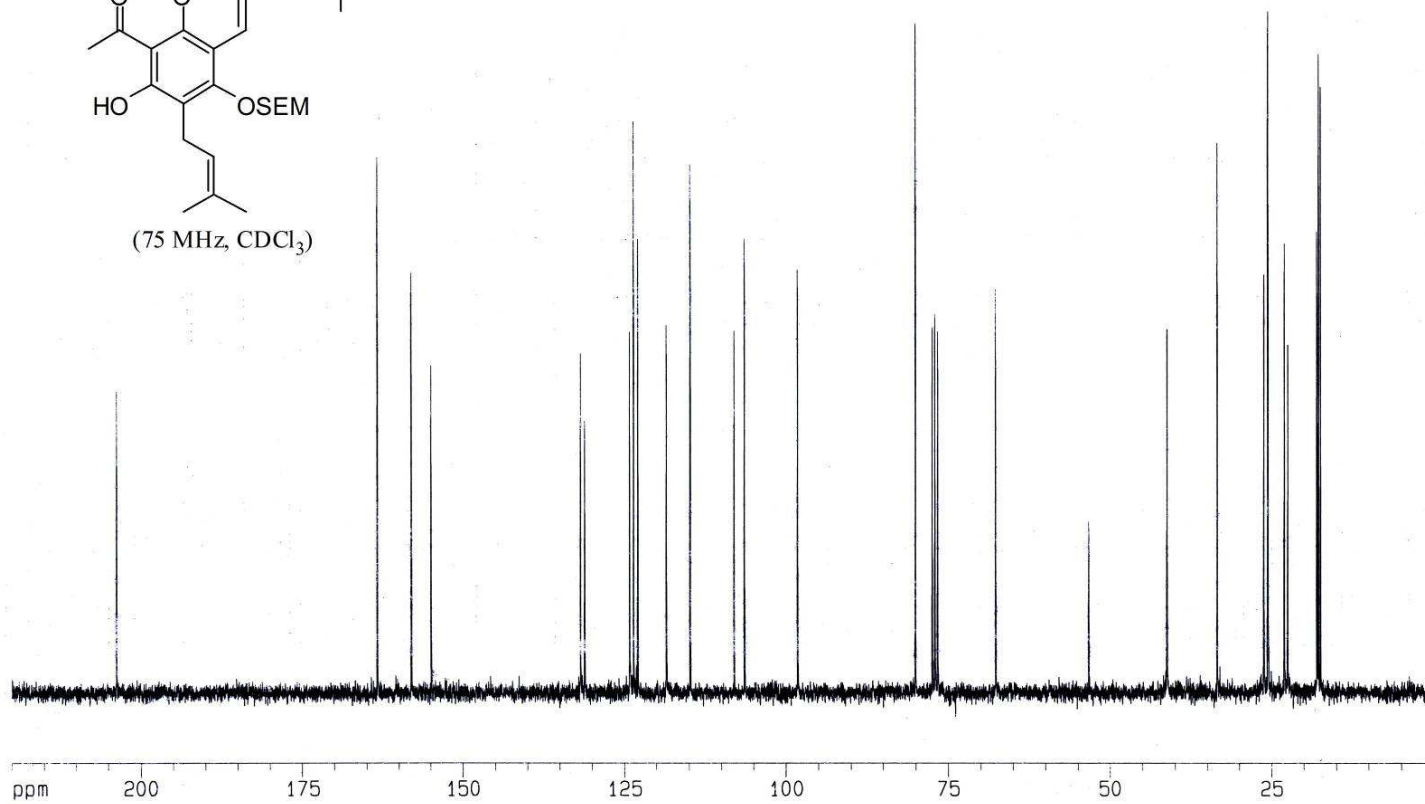
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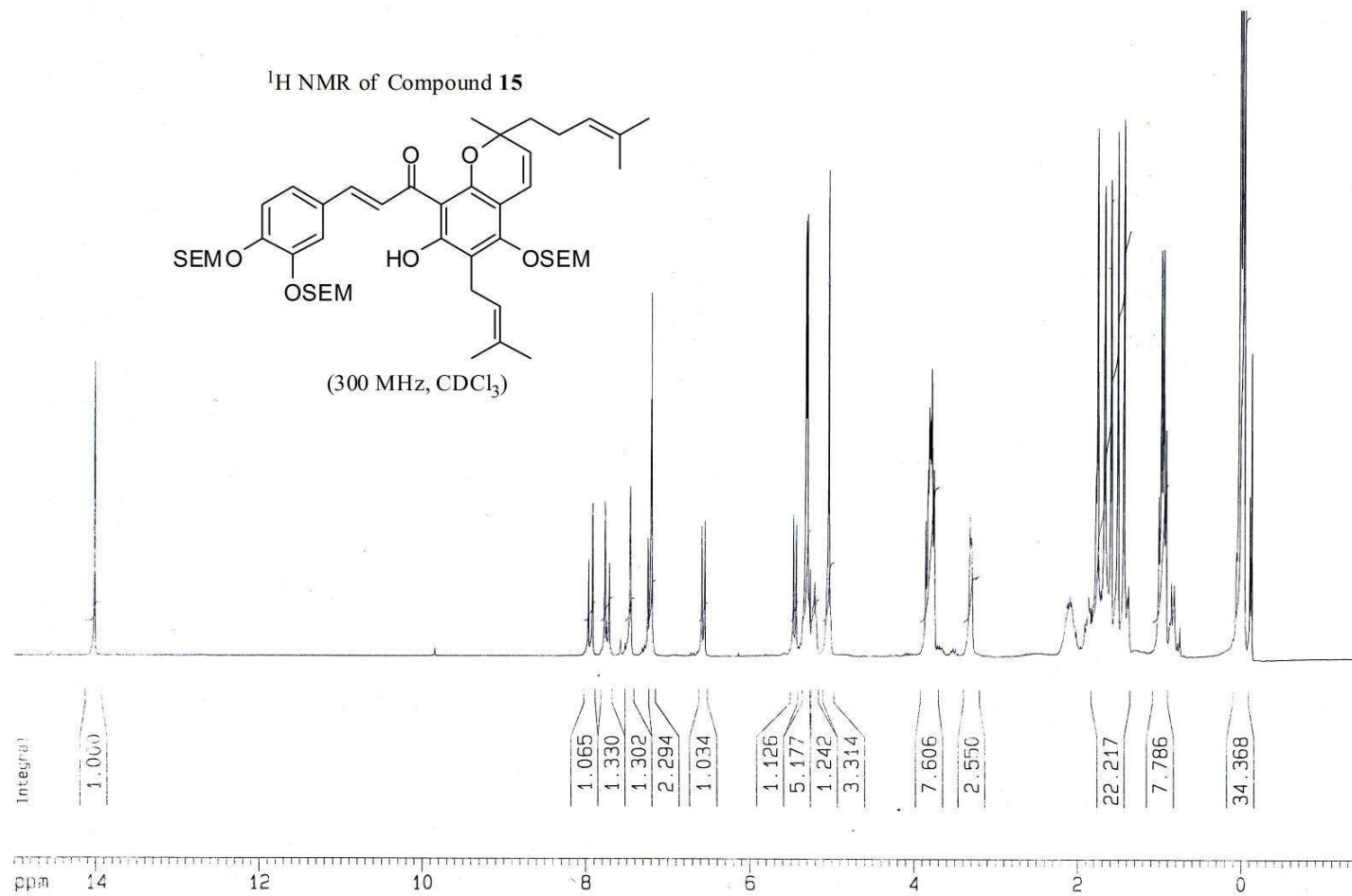
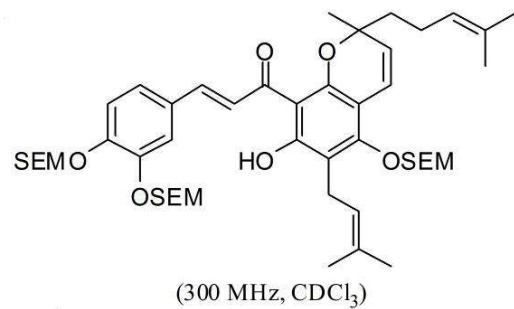
¹³C NMR of Compound 13



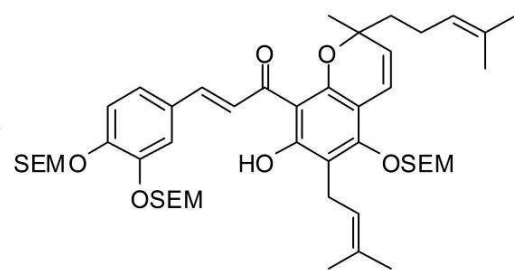
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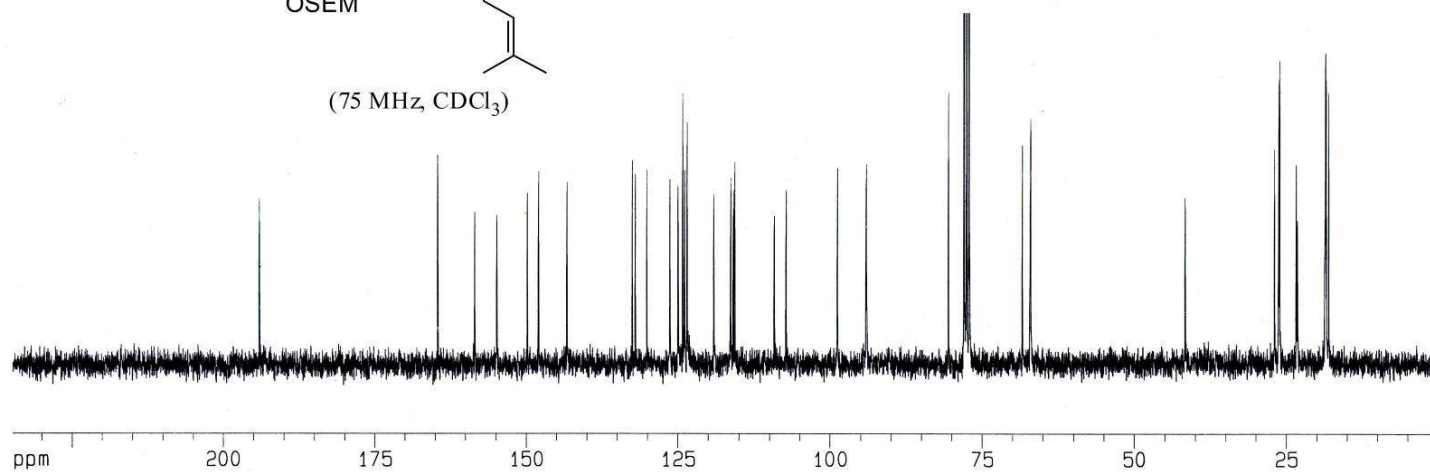
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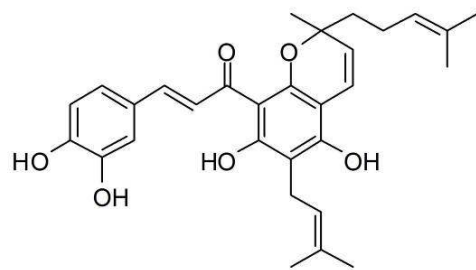
¹³C NMR of Compound **15**



(75 MHz, CDCl₃)



¹H NMR of Compound 3



(300 MHz, benzene-d₆)

