

Supplementary material

Analog synthesis of DAMASCENOLIDETM, an important aroma component of roses, and their odor properties

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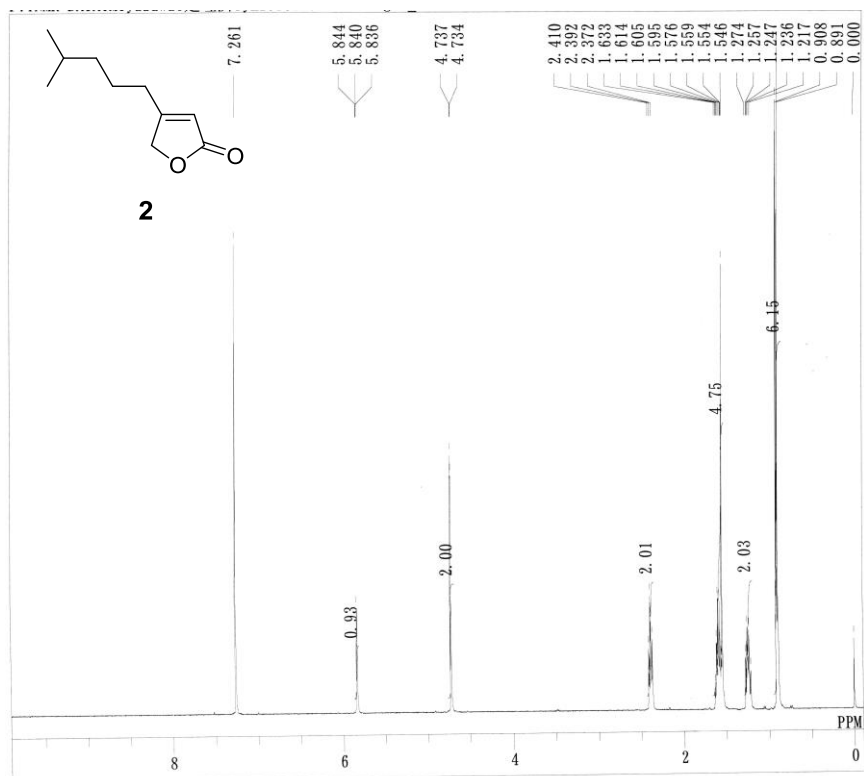
Ken Ishigami, Department of Chemistry for Life Sciences and Agriculture, Tokyo
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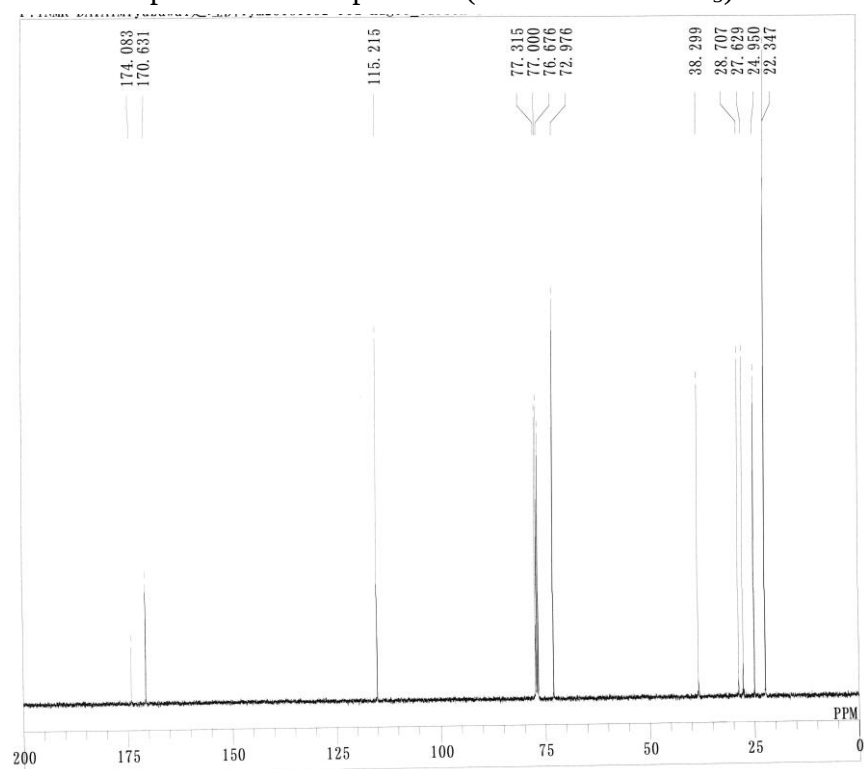
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¹H and ¹³C NMR spectra of the synthetic targets (compounds **2-14**).

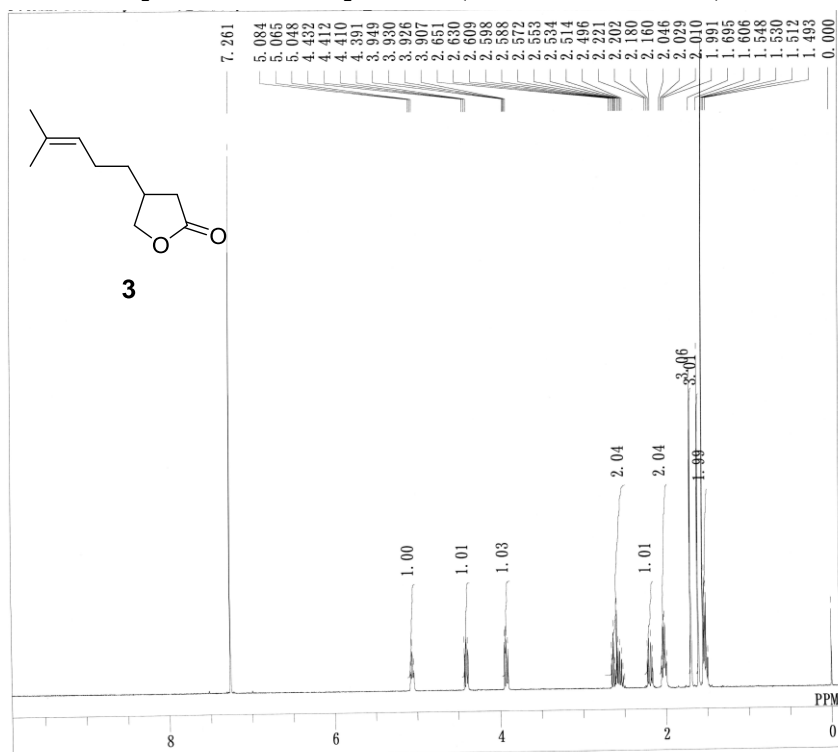
^1H NMR spectrum of compound **2** (400 MHz in CDCl_3).



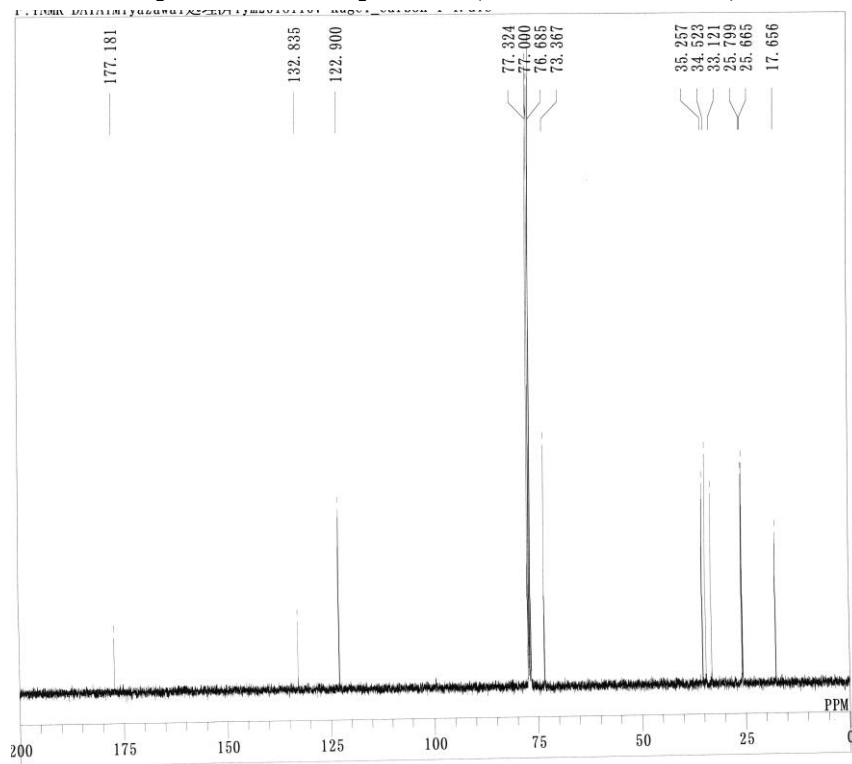
^{13}C NMR spectrum of compound **2** (100 MHz in CDCl_3).



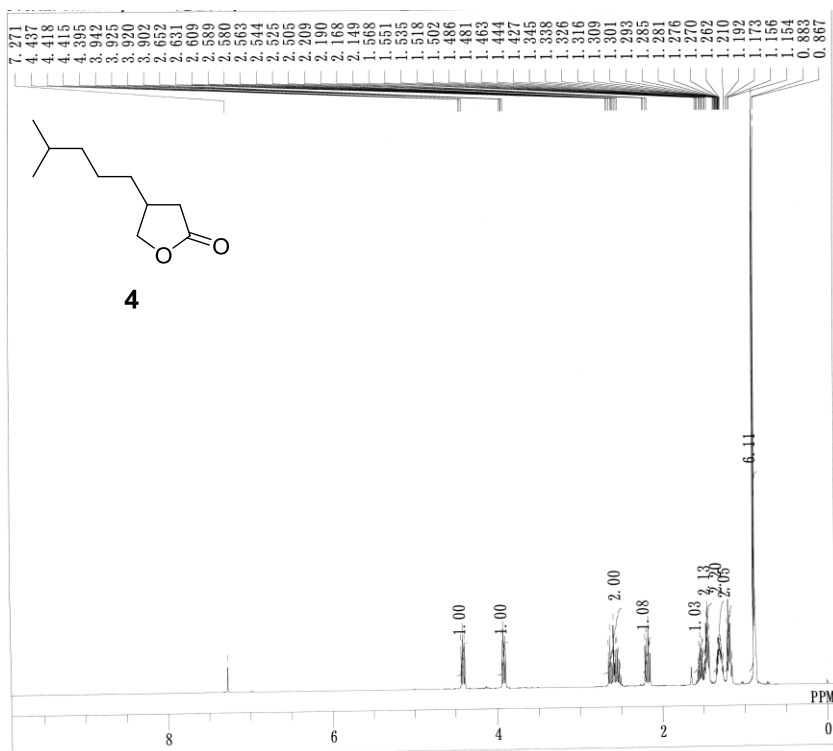
^1H NMR spectrum of compound **3** (400 MHz in CDCl_3).



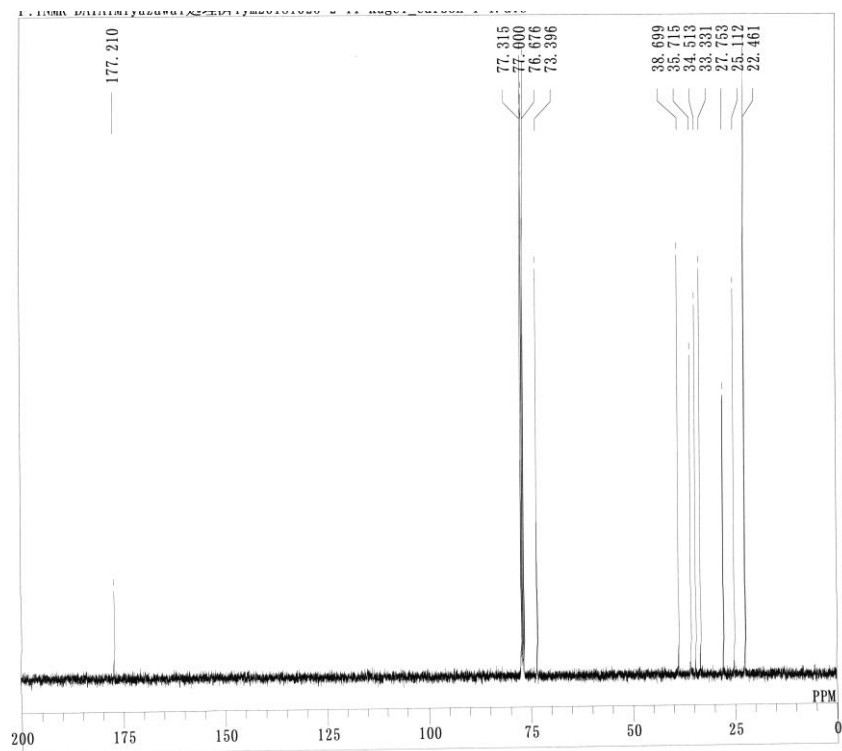
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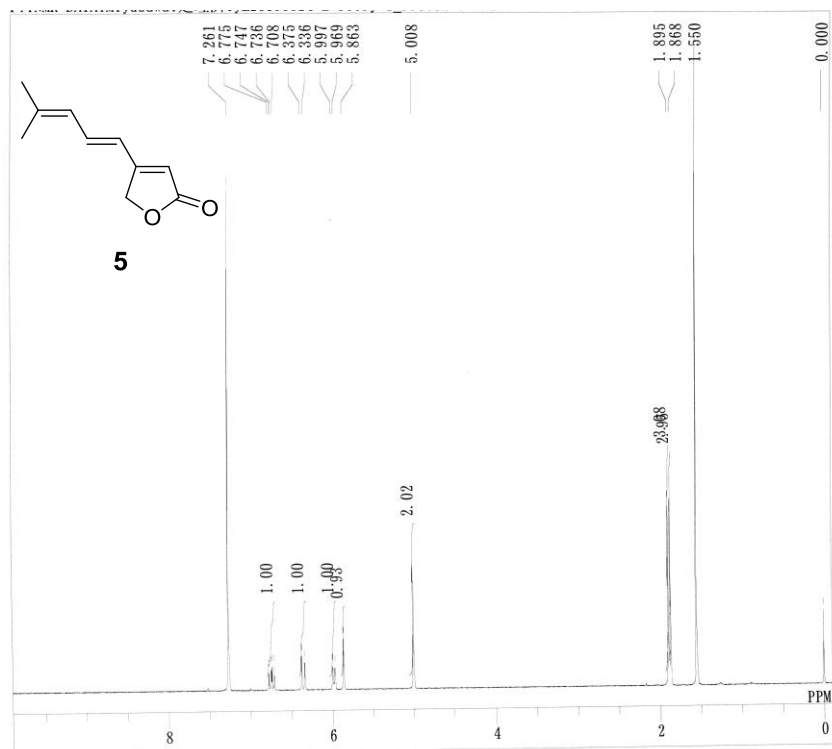
^1H NMR spectrum of compound **4** (400 MHz in CDCl_3).



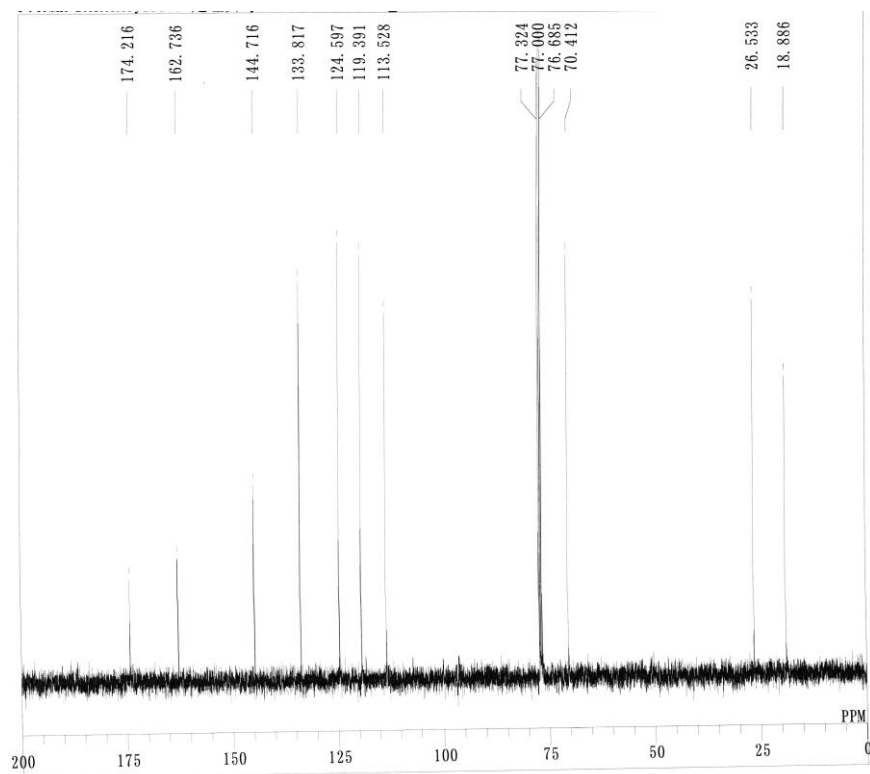
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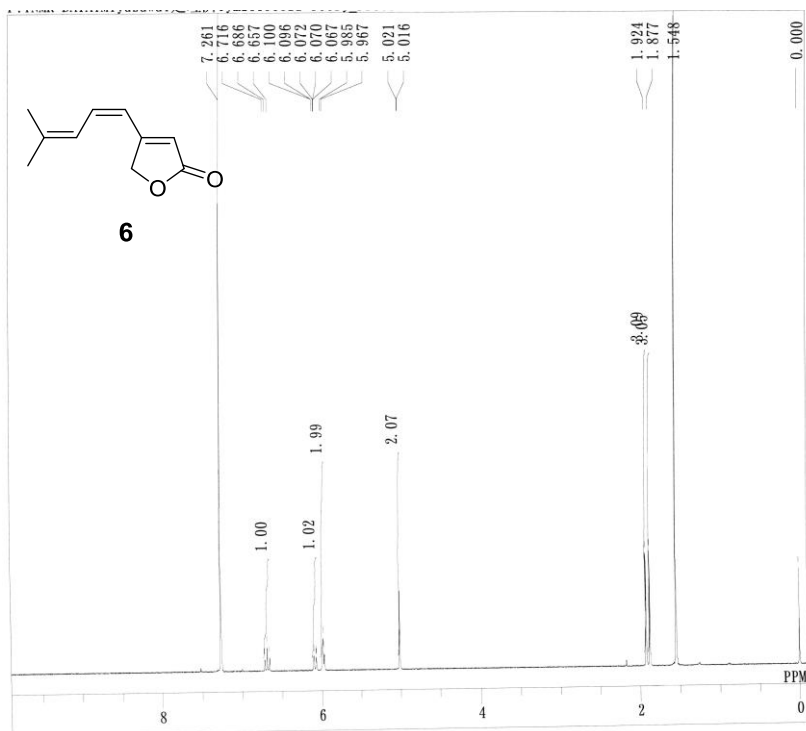
^1H NMR spectrum of compound **5** (400 MHz in CDCl_3).



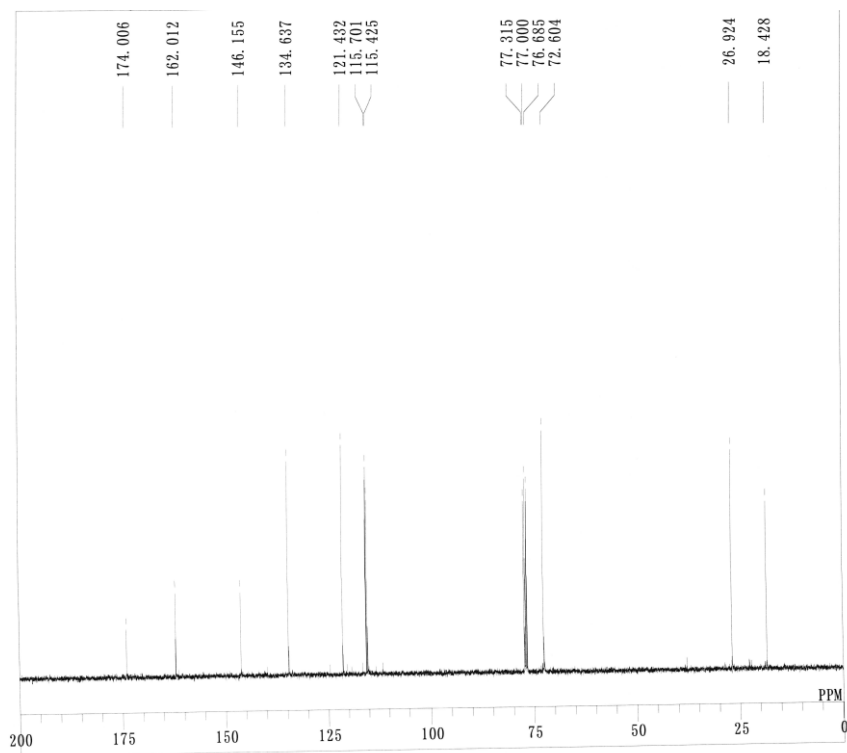
^{13}C NMR spectrum of compound **5** (100 MHz in CDCl_3).



^1H NMR spectrum of compound **6** (400 MHz in CDCl_3).



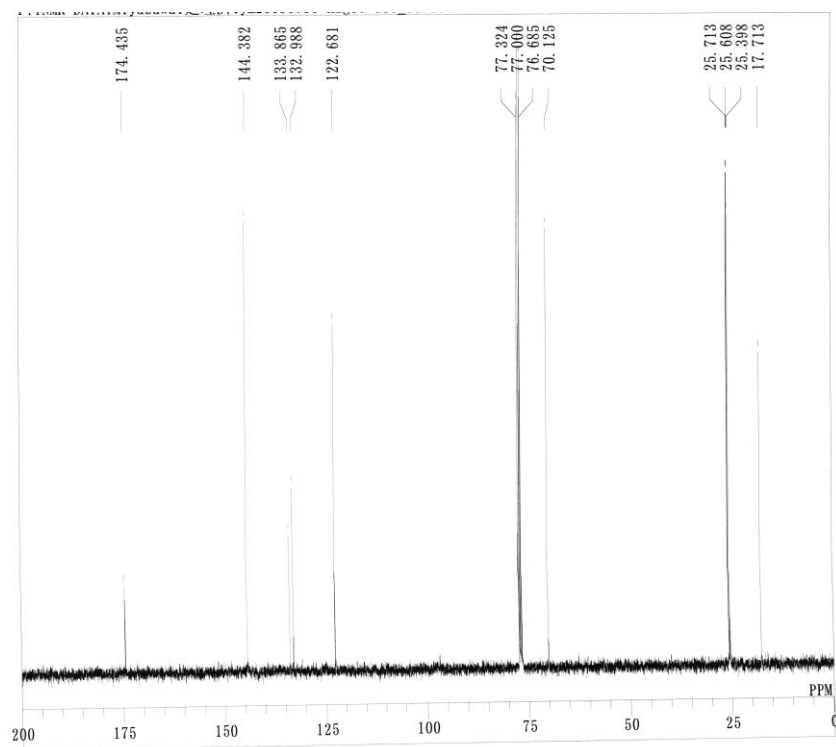
^{13}C NMR spectrum of compound **6** (100 MHz in CDCl_3).



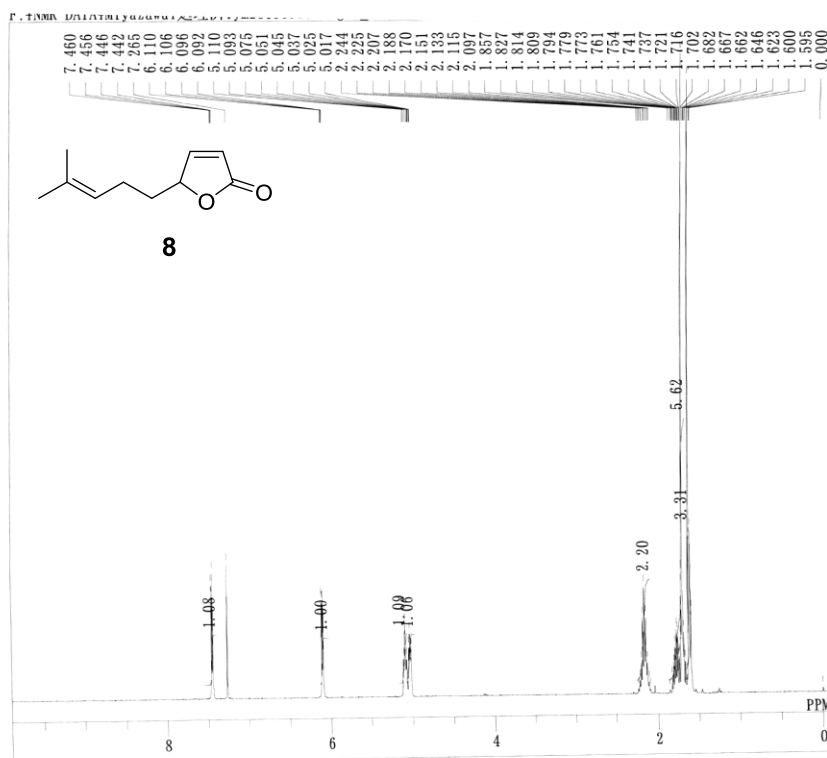
^1H NMR spectrum of compound **7** (400 MHz in CDCl_3).



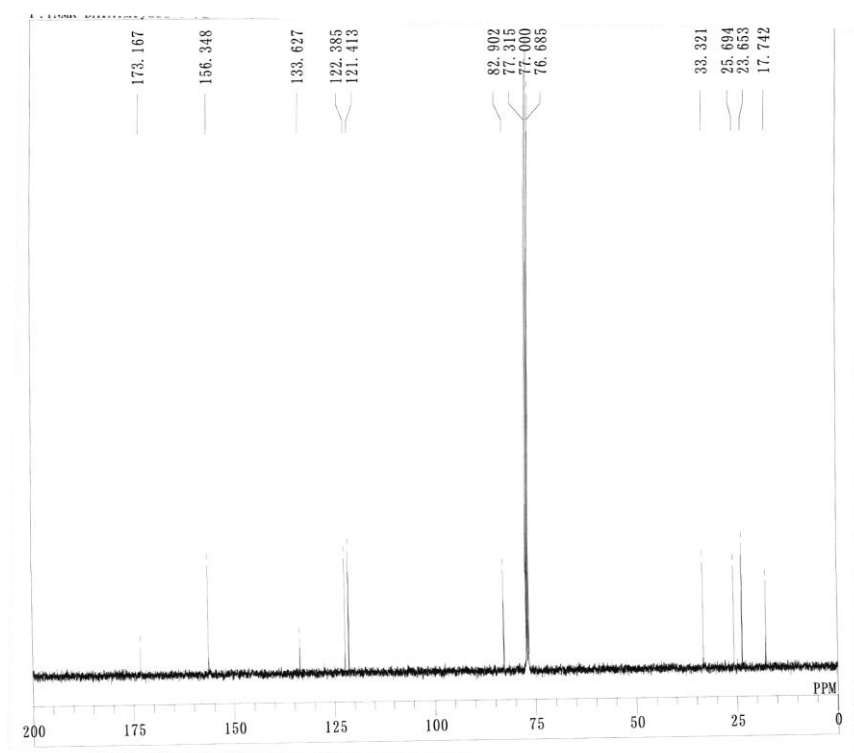
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^1H NMR spectrum of compound **8** (400 MHz in CDCl_3).



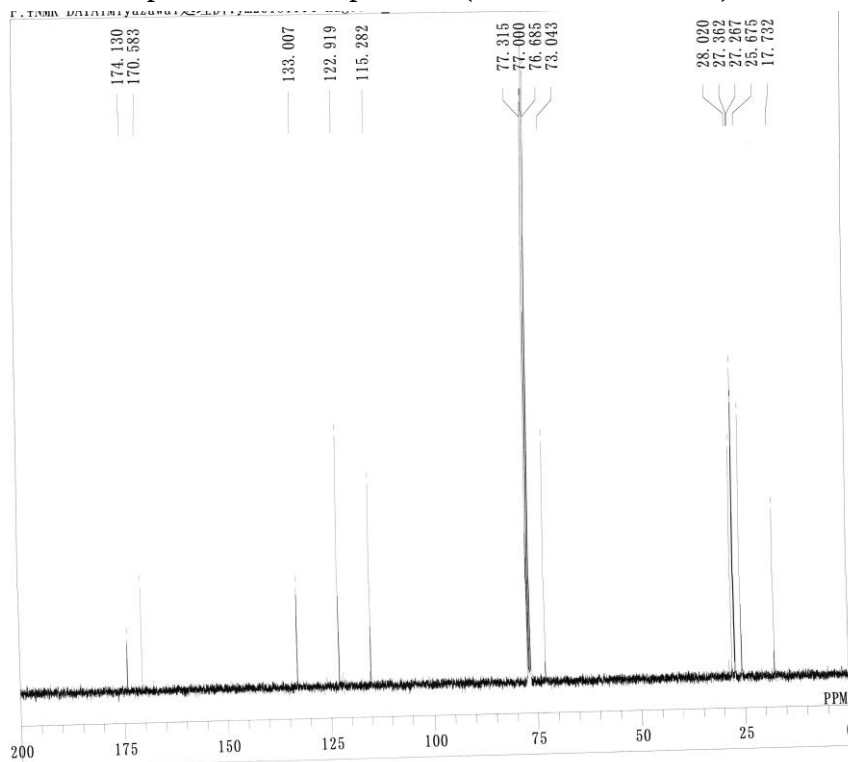
^{13}C NMR spectrum of compound **8** (100 MHz in CDCl_3).



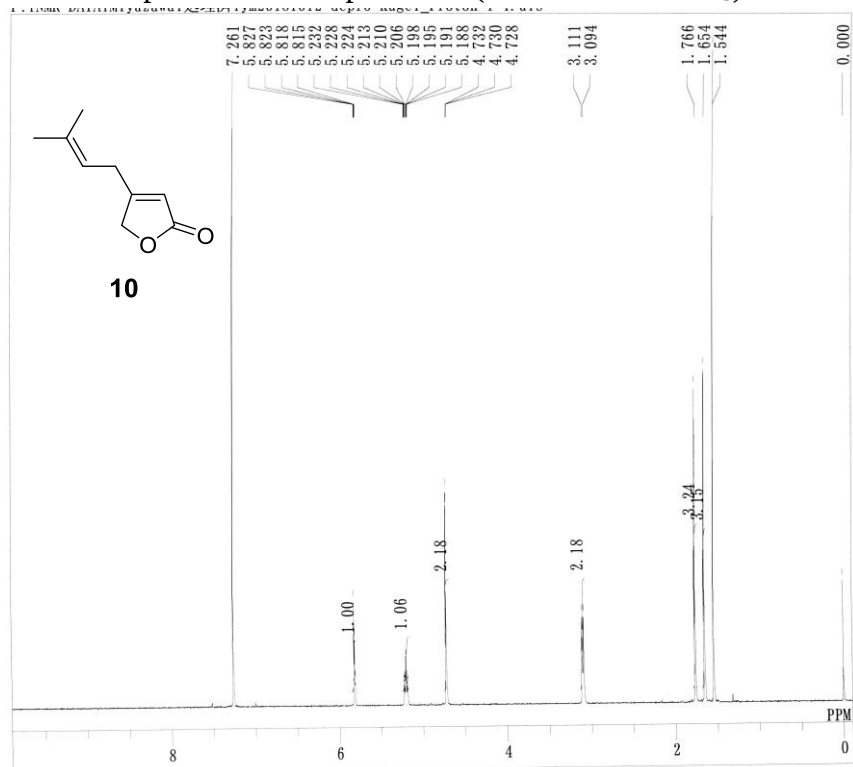
^1H NMR spectrum of compound **9** (400 MHz in CDCl_3).



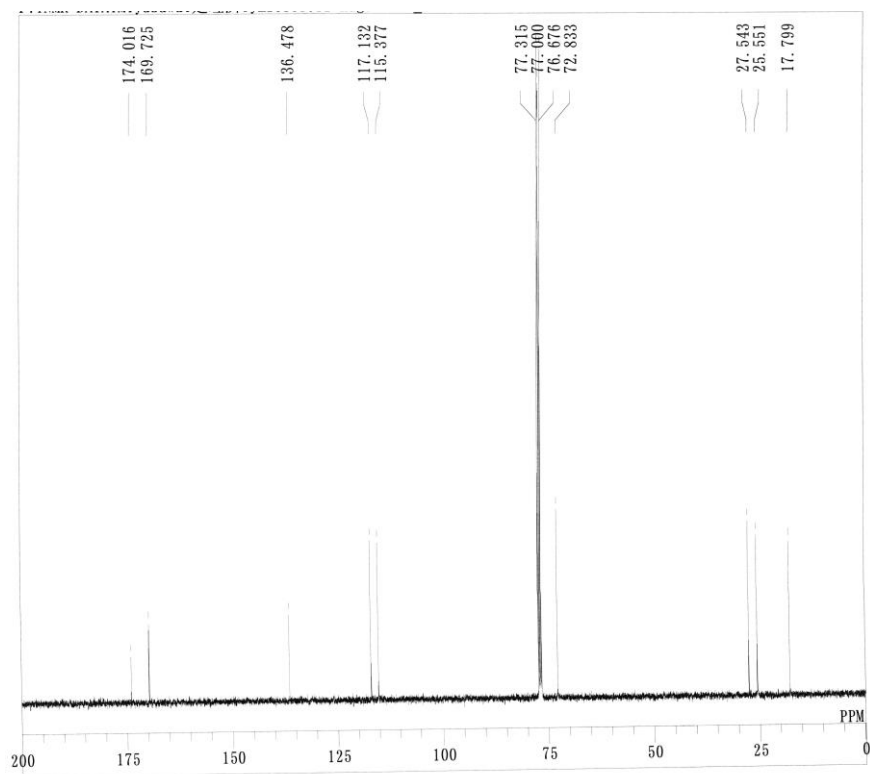
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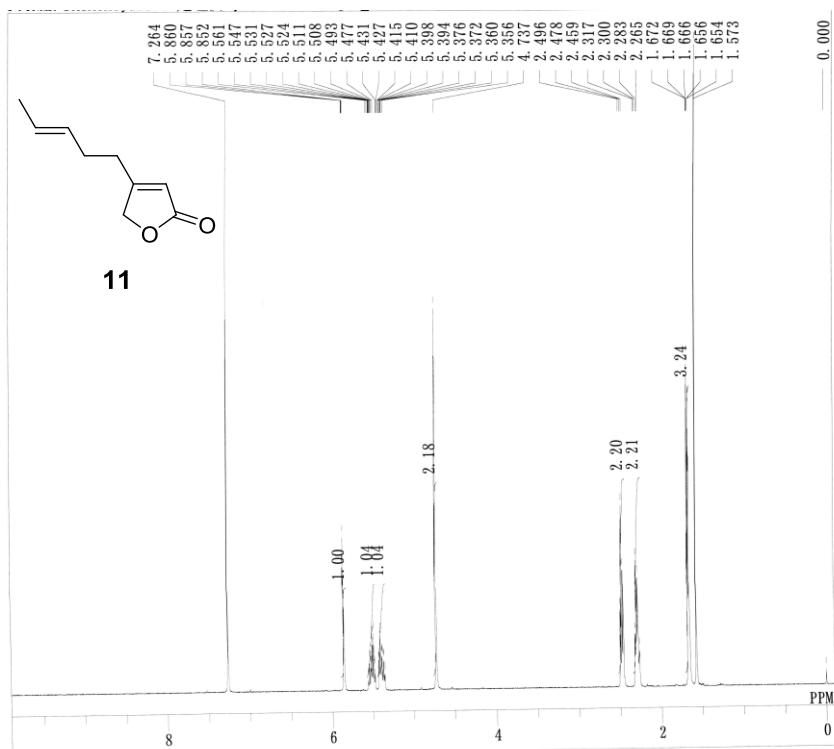
^1H NMR spectrum of compound **10** (400 MHz in CDCl_3).



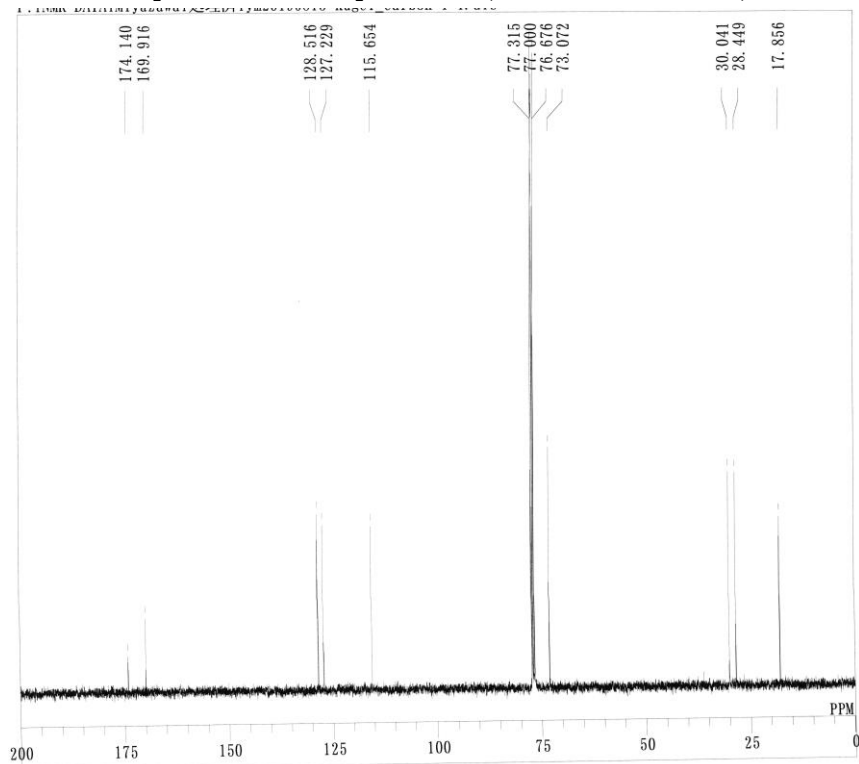
^{13}C NMR spectrum of compound **10** (100 MHz in CDCl_3).



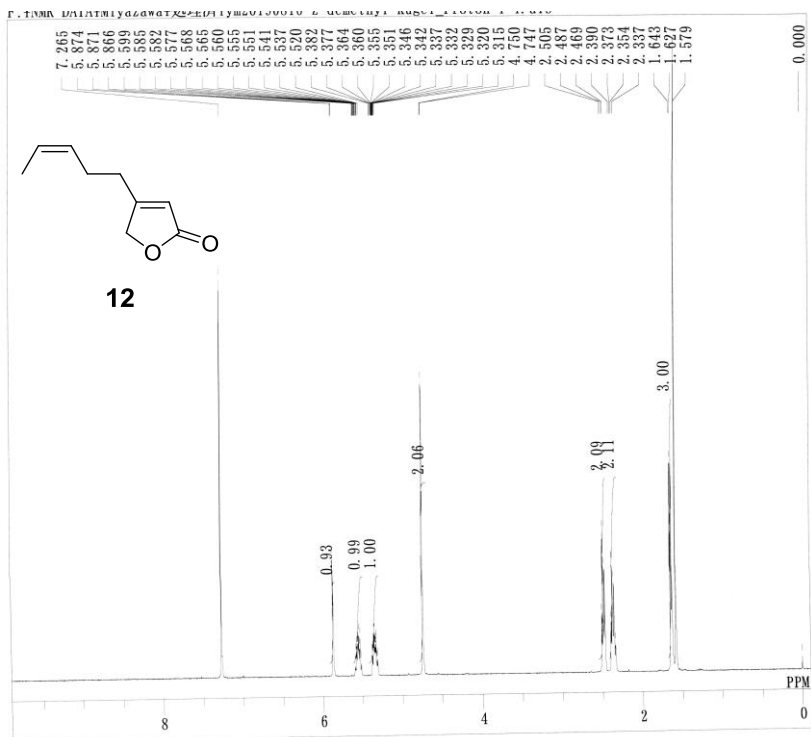
^1H NMR spectrum of compound **11** (400 MHz in CDCl_3).



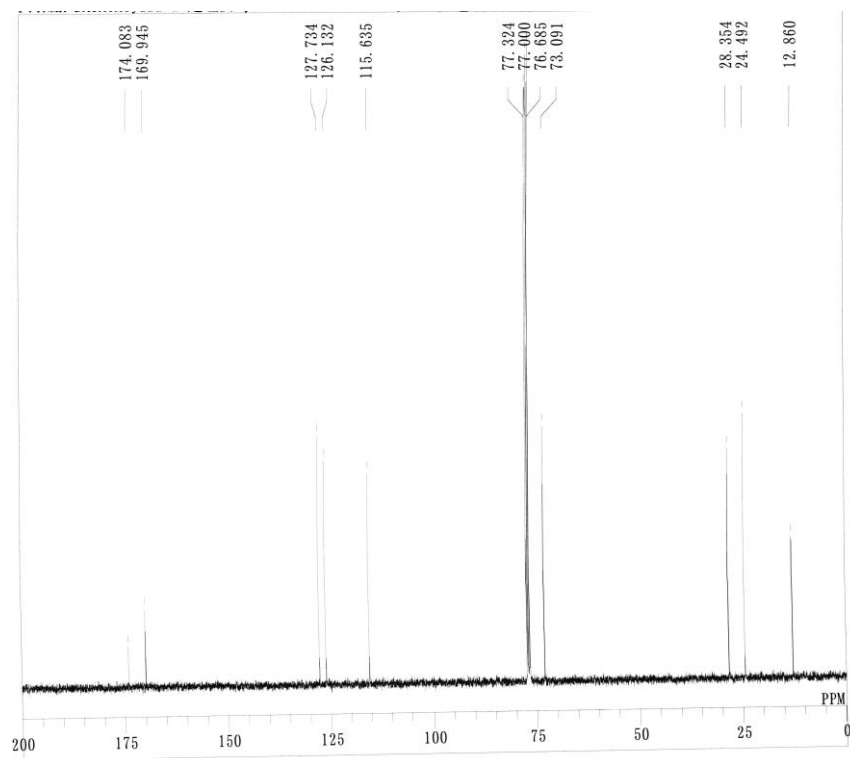
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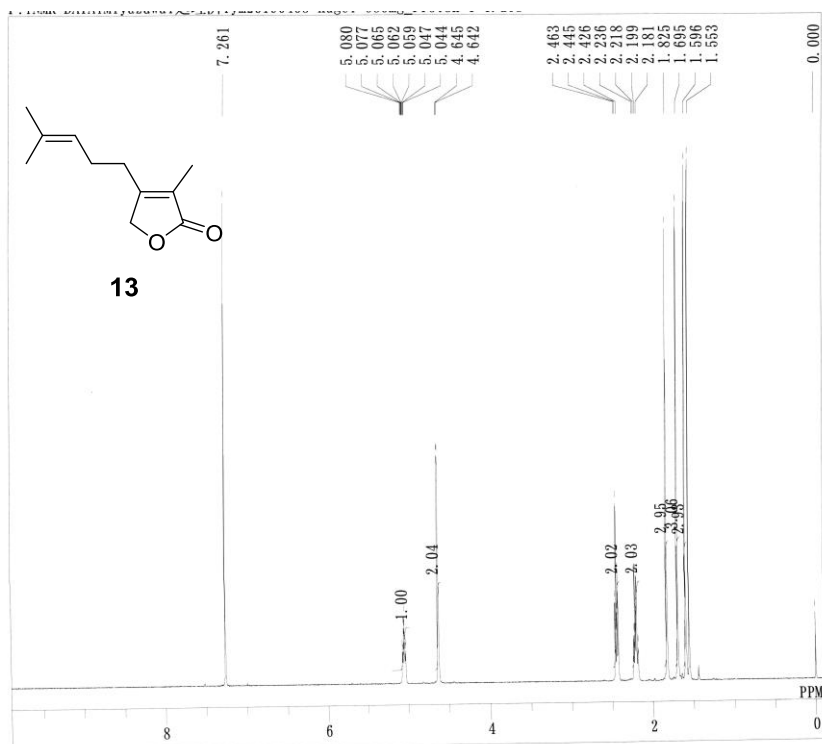
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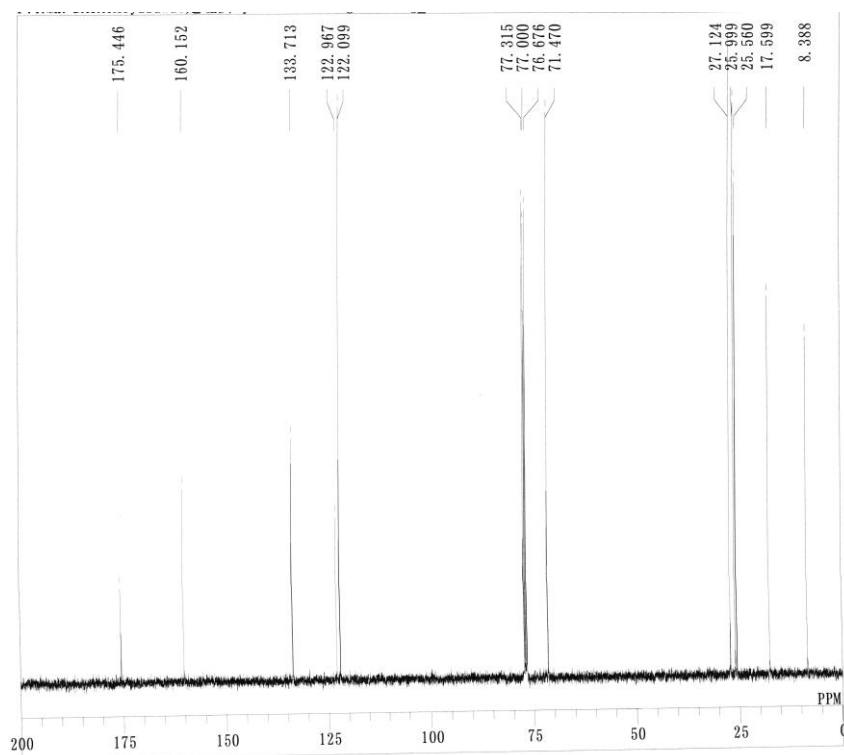
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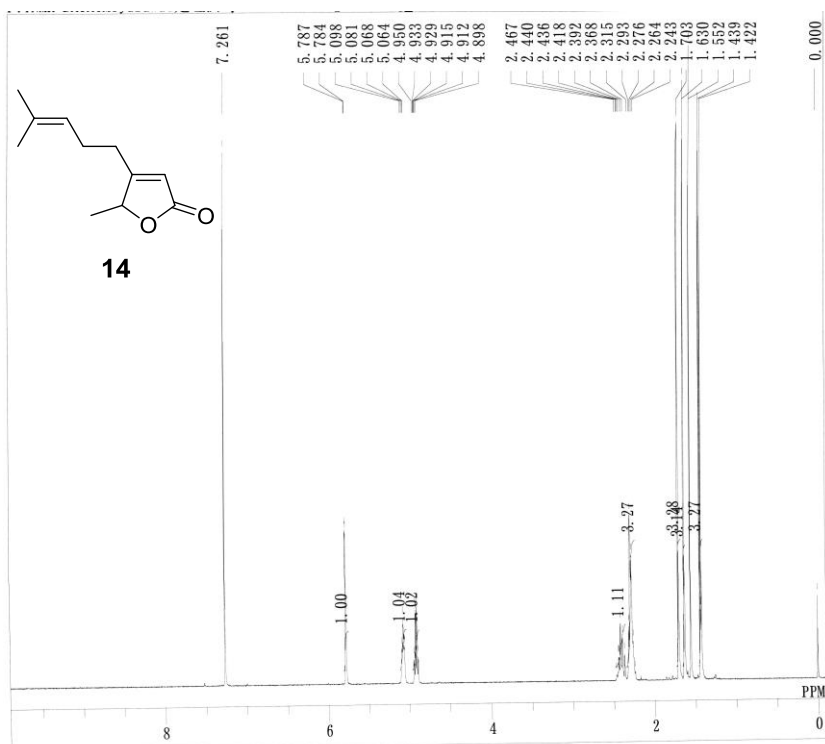
^1H NMR spectrum of compound **13** (400 MHz in CDCl_3).



^{13}C NMR spectrum of compound **13** (100 MHz in CDCl_3).



^1H NMR spectrum of compound **14** (400 MHz in CDCl_3).



^{13}C NMR spectrum of compound **14** (100 MHz in CDCl_3).

