

Supporting Information

6-Alkyl-3,4-dihydro-2H-pyrans: a New Class of Chemical Secretion in Neotropical Harvestmen

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S 1. ^1H NMR (CDCl_3 , 499.88 MHz, TMS) of 1-(6-butyl-3,4-dihydro-2*H*-pyran-2-yl)pentanone (**1**).

S 2. ^1H NMR experiment selectively decoupling of H-2 showing the simplified multiplet at 1.56 ppm assigned to H-3 of 1-(6-butyl-3,4-dihydro-2*H*-pyran-2-yl)pentanone (**1**).

S 3. ^{13}C NMR (CDCl_3 , 125.71 MHz) of 1-(6-butyl-3,4-dihydro-2*H*-pyran-2-yl)pentanone (**1**).

S 4. ^{13}C NMR DEPT 135 and 90 (CDCl_3) of 1-(6-butyl-3,4-dihydro-2*H*-pyran-2-yl)pentanone (**1**).

S 5. HSQC NMR ^{13}C - ^1H of 1-(6-butyl-3,4-dihydro-2*H*-pyran-2-yl)pentanone (**1**).

S 6. gCOSY NMR ^1H - ^1H of 1-(6-butyl-3,4-dihydro-2*H*-pyran-2-yl)pentanone (**1**).

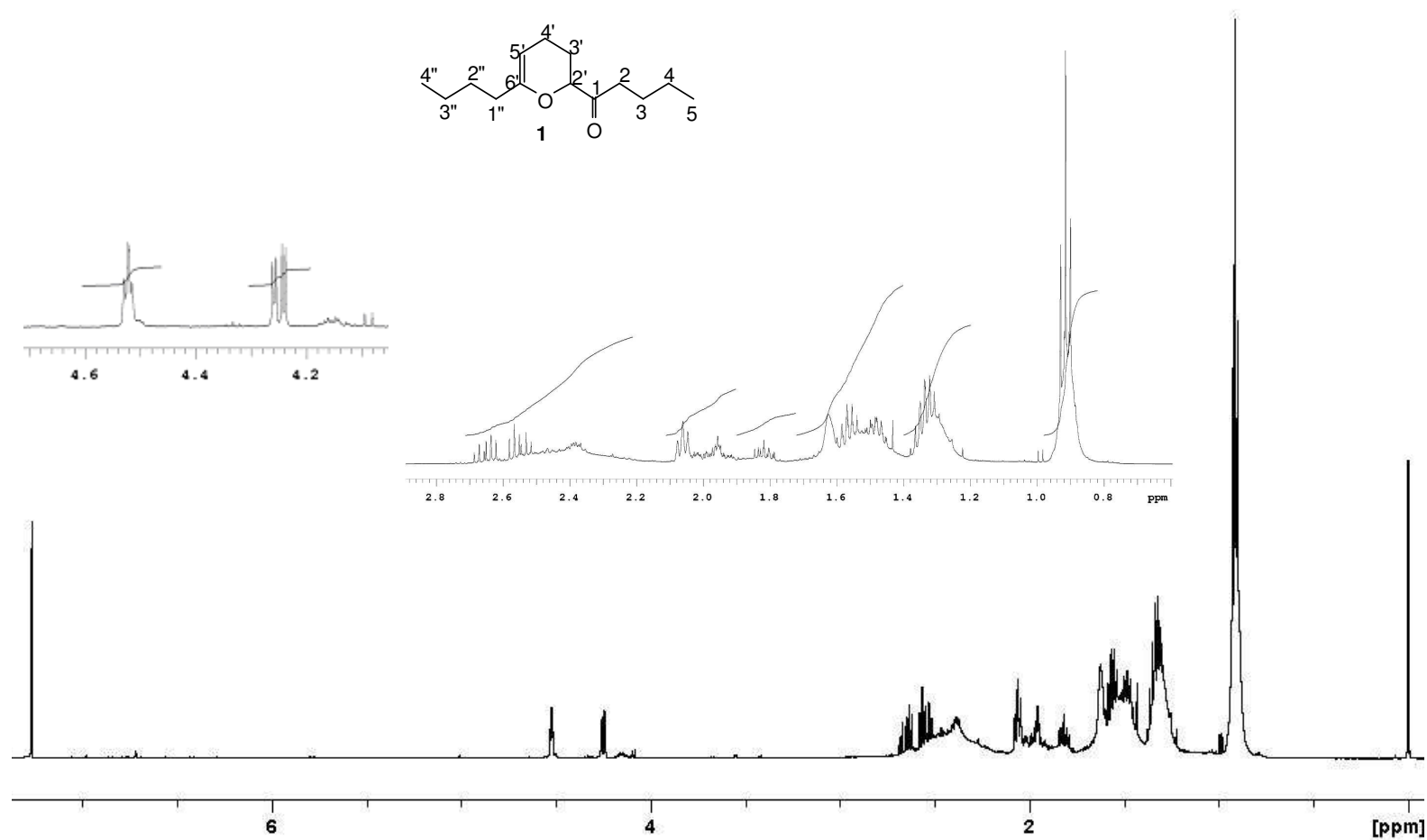
S 7. EIMS spectra of 1-(6-butyl-3,4-dihydro-2*H*-pyran-2-yl)pentanone (**1**).

S 8. HRESIMS of 1-(6-butyl-3,4-dihydro-2*H*-pyran-2-yl)pentanone (**1**).

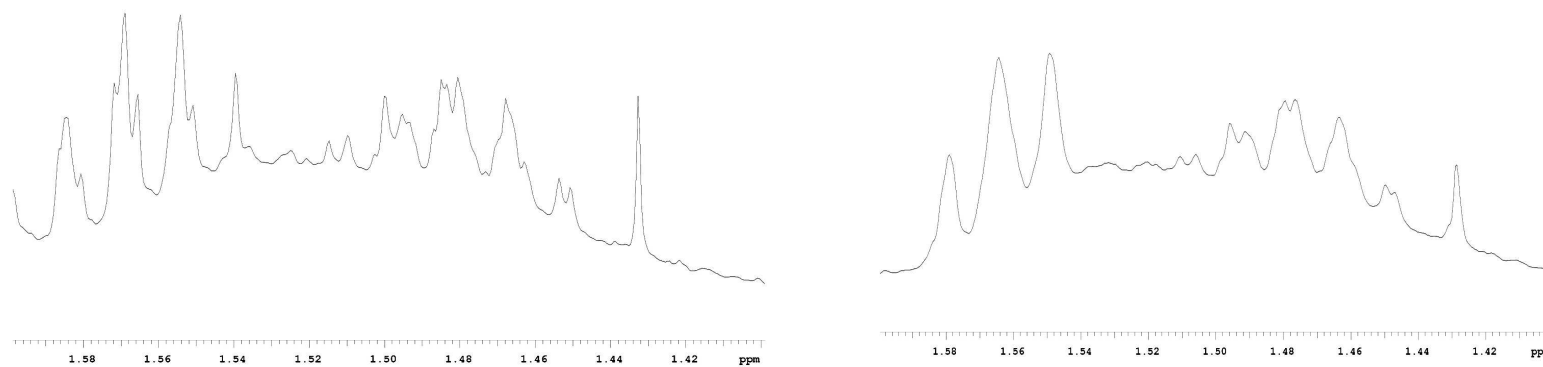
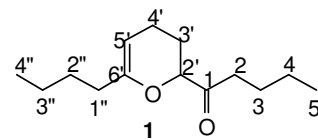
S 9. IR spectra of 1-(6-butyl-3,4-dihydro-2*H*-pyran-2-yl)pentanone (**1**).

S 10. Comparison of ^{13}C NMR (CDCl_3 , 62.89 MHz) spectra of synthetic 1-hepten-3-one and *N. maximus* exudate.

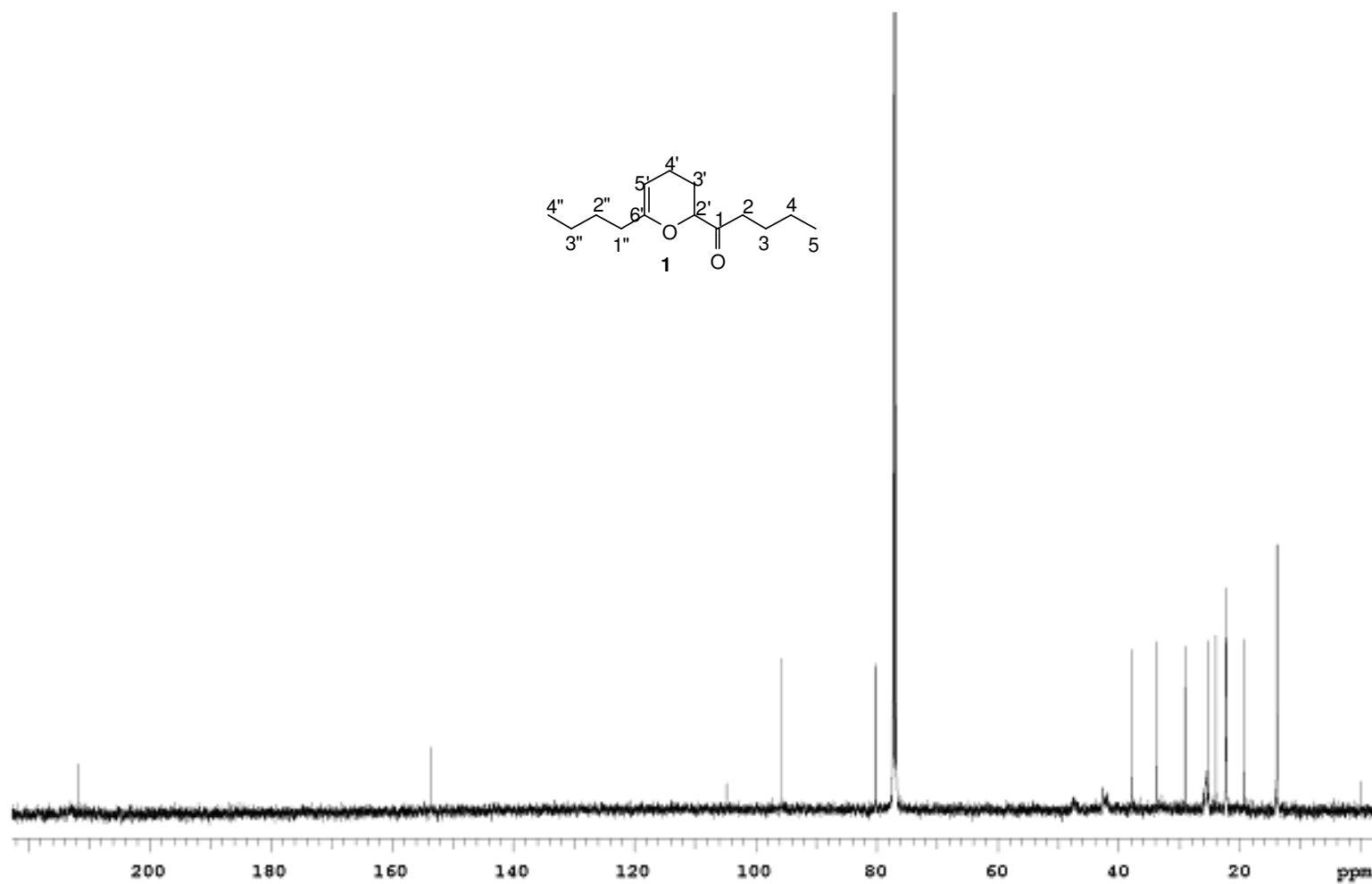
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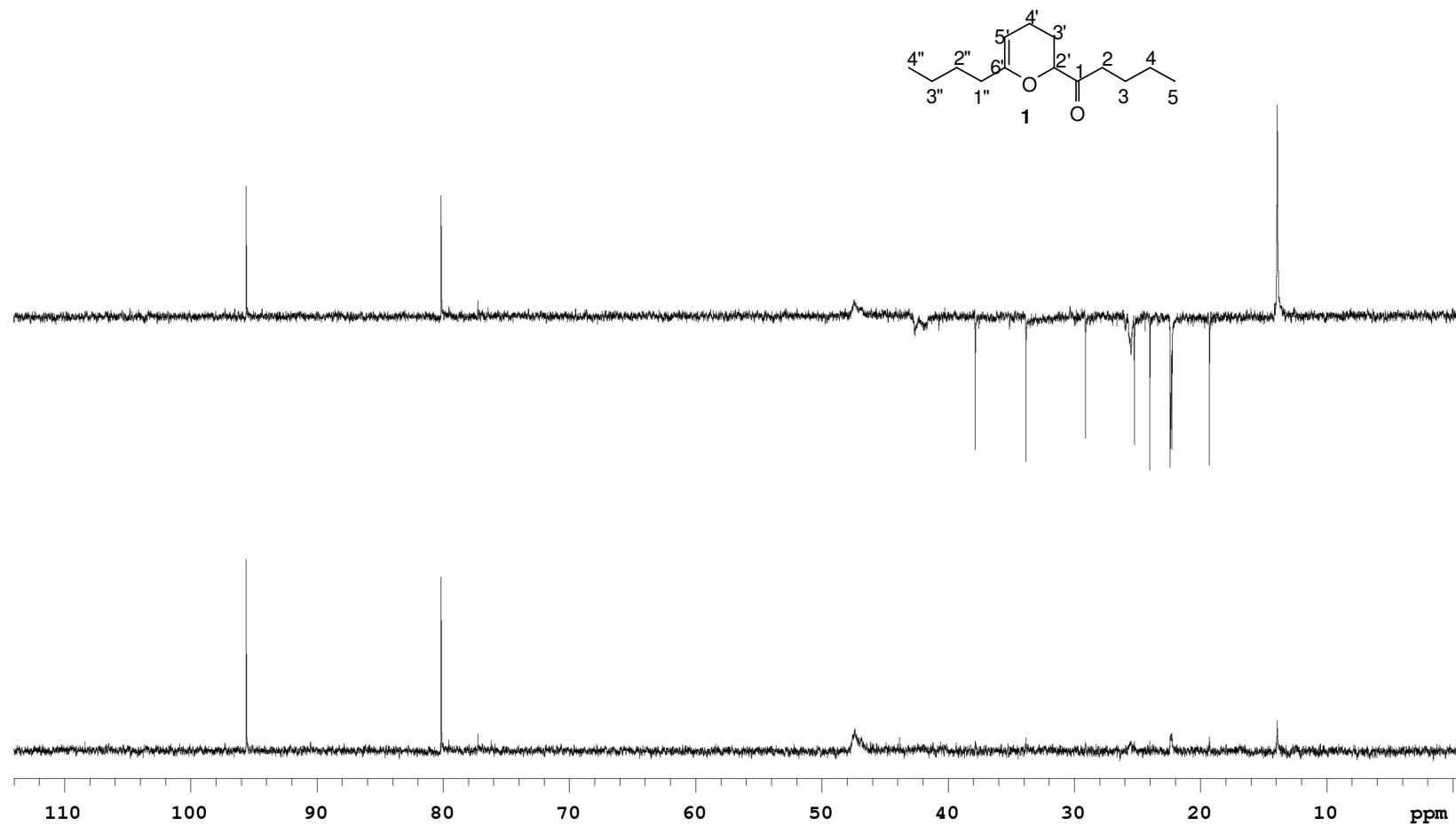
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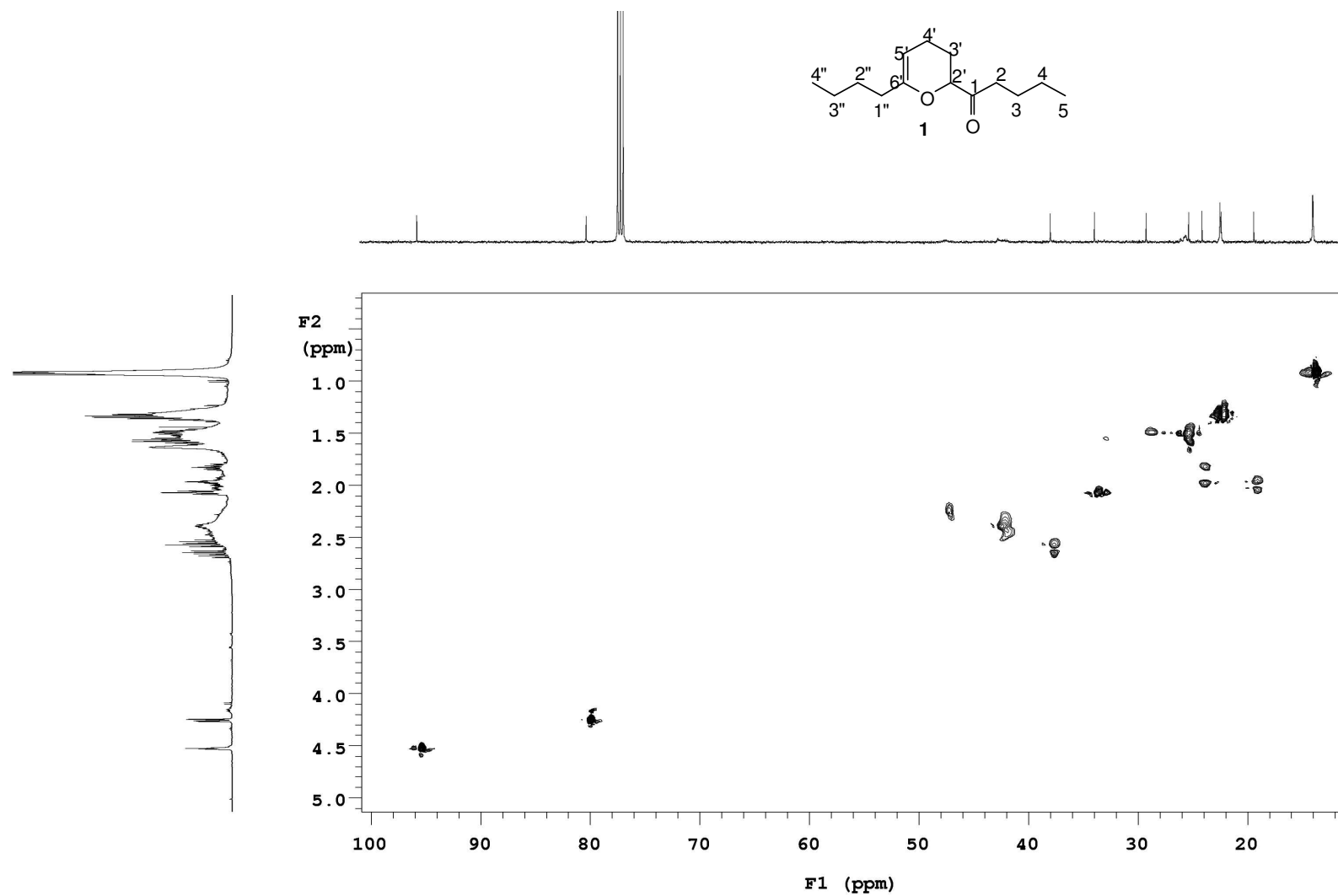
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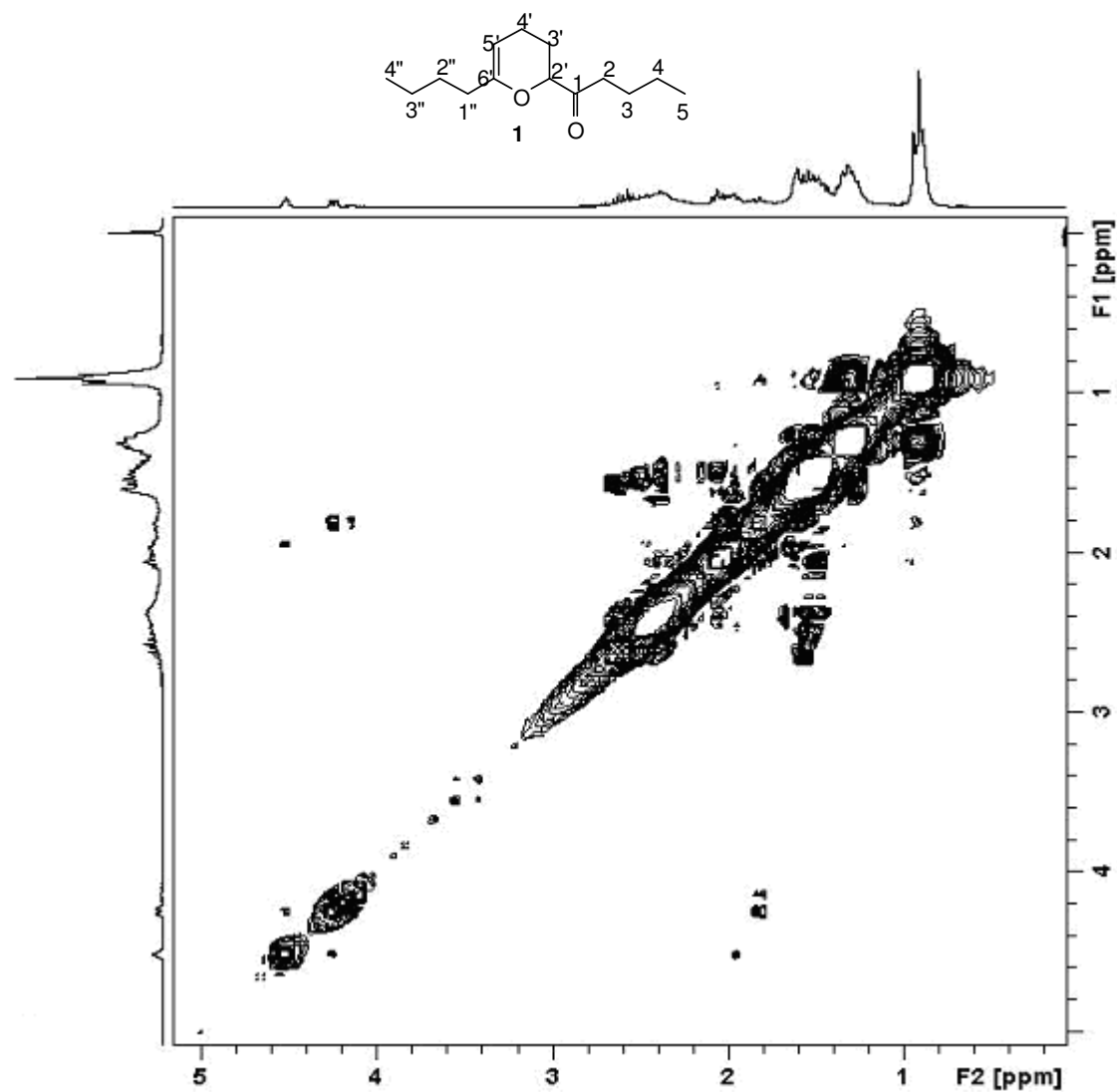
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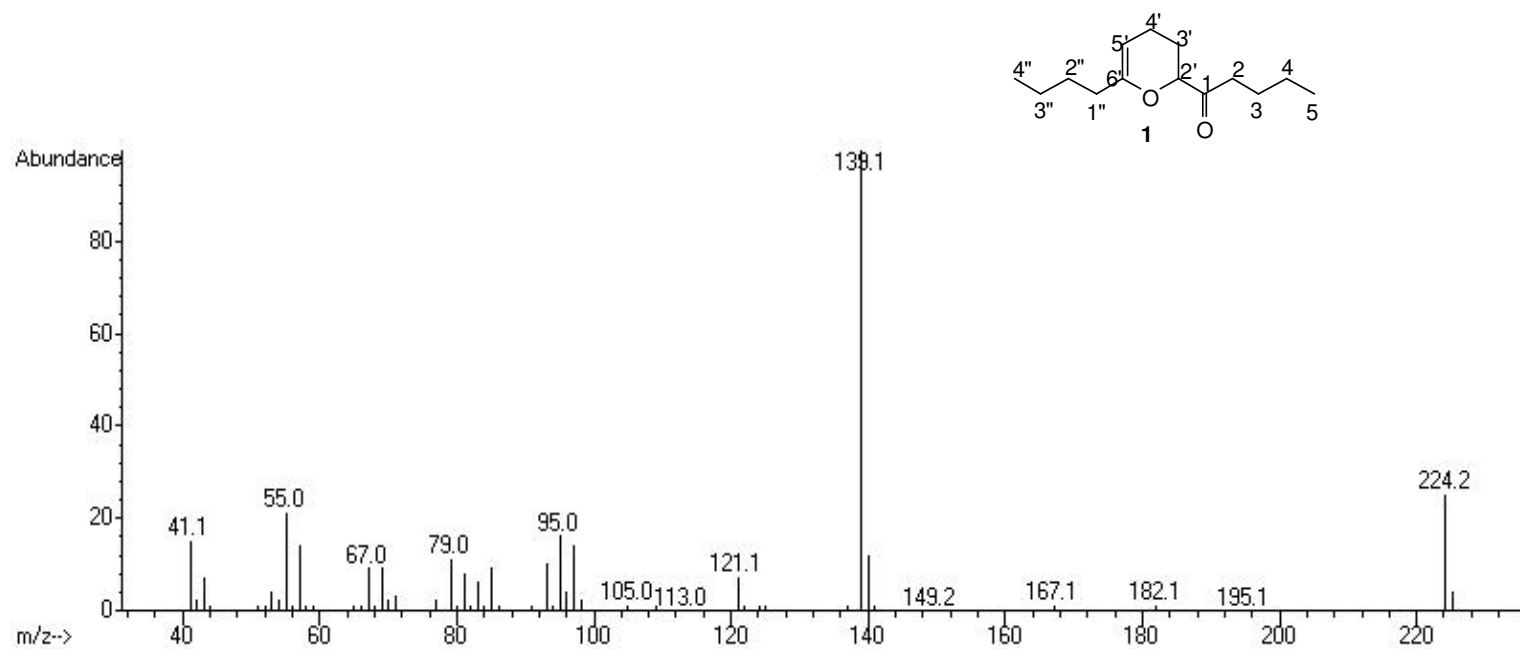
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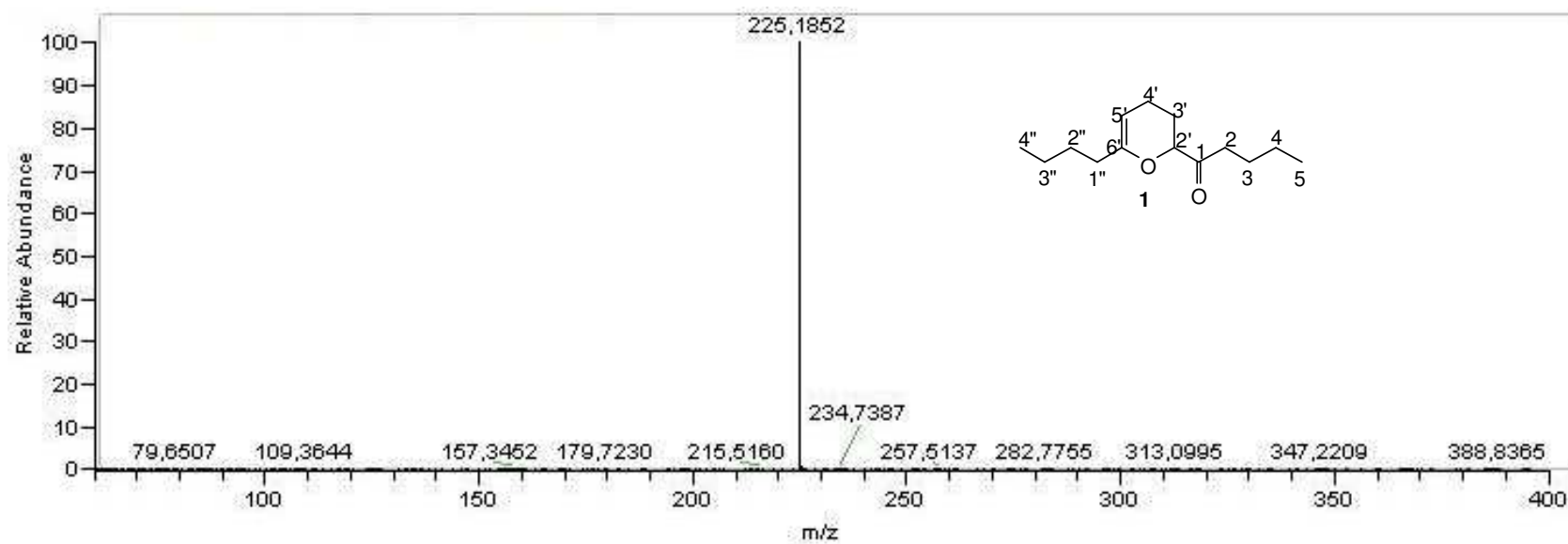
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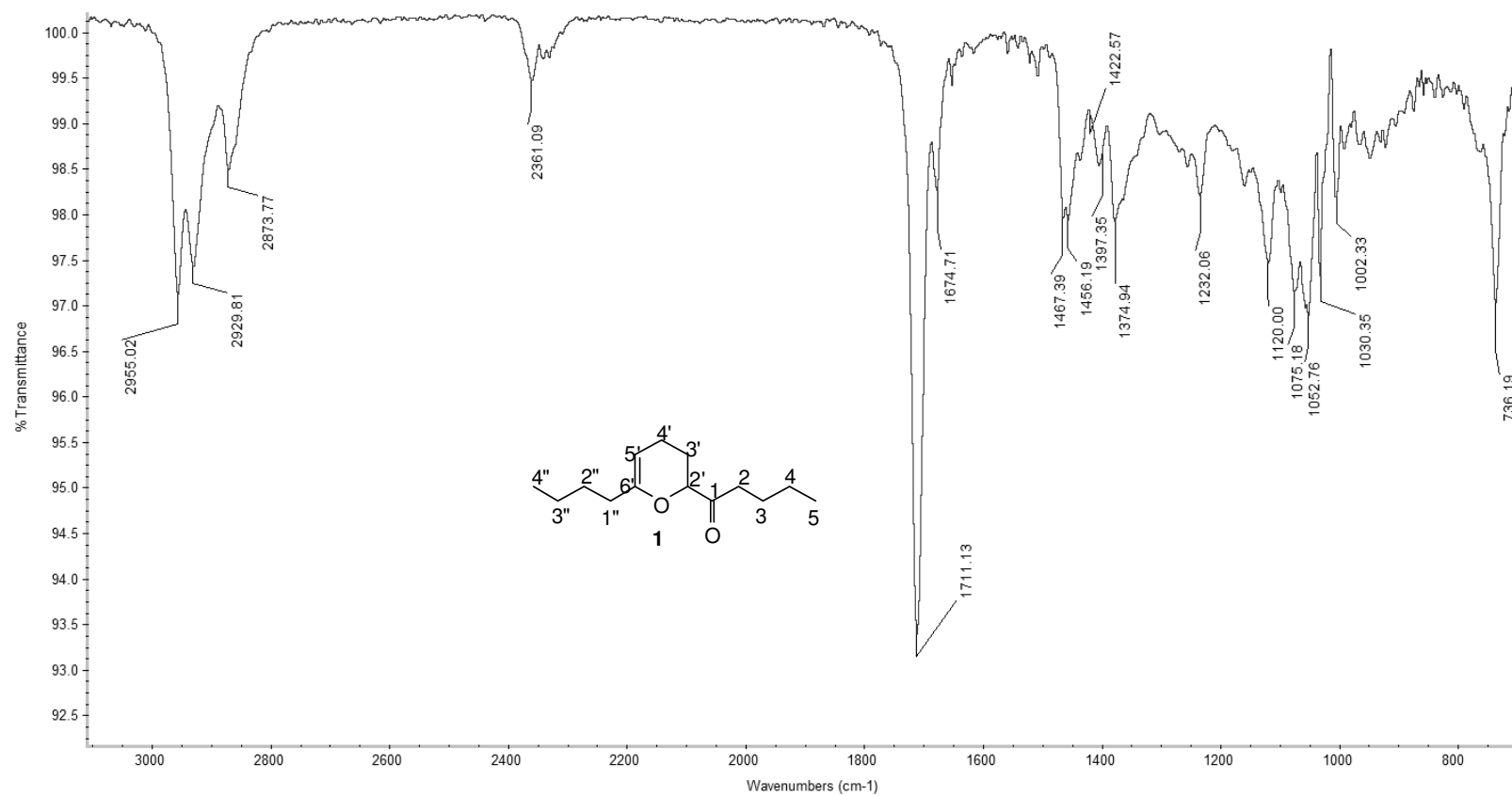
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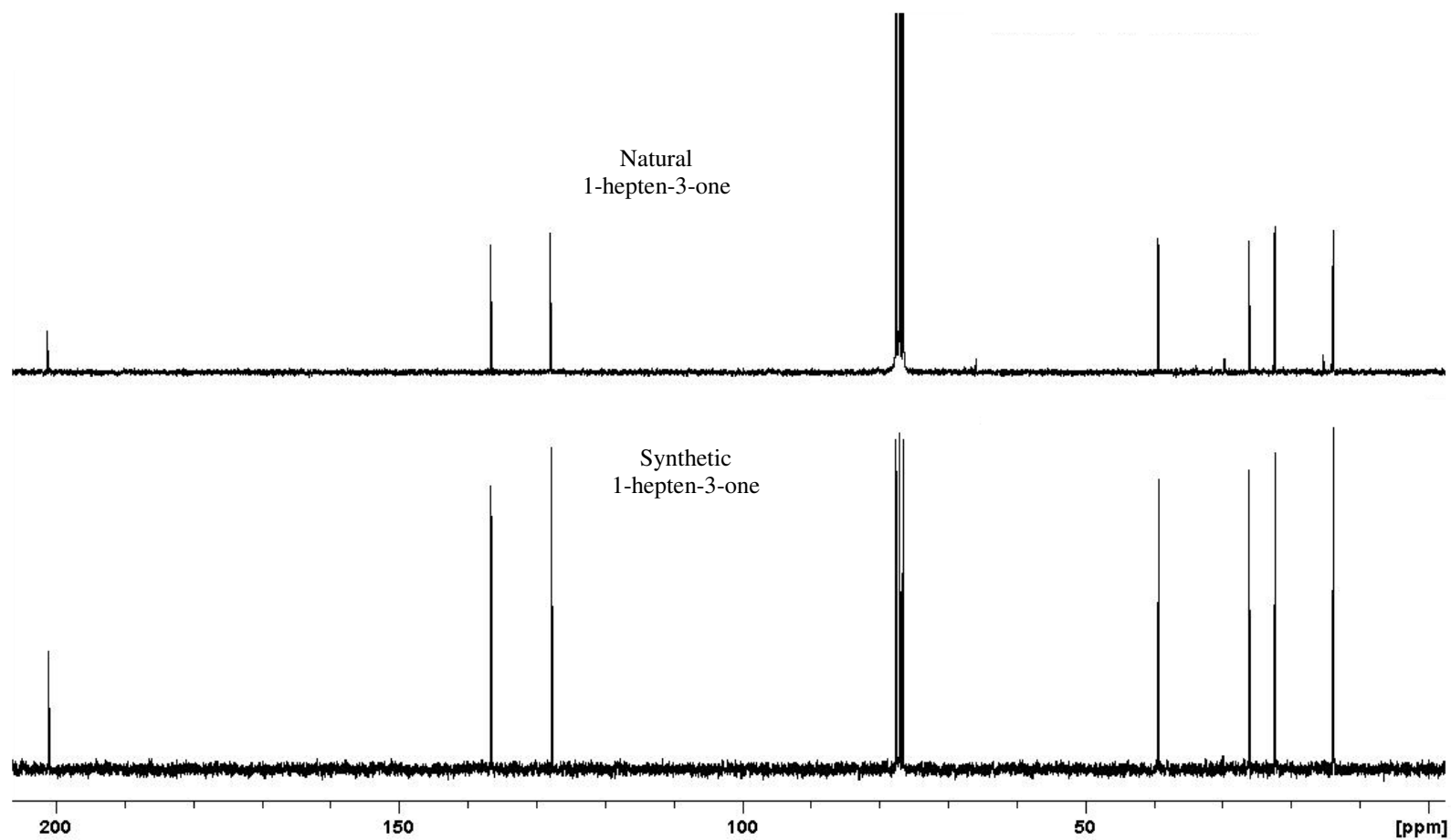
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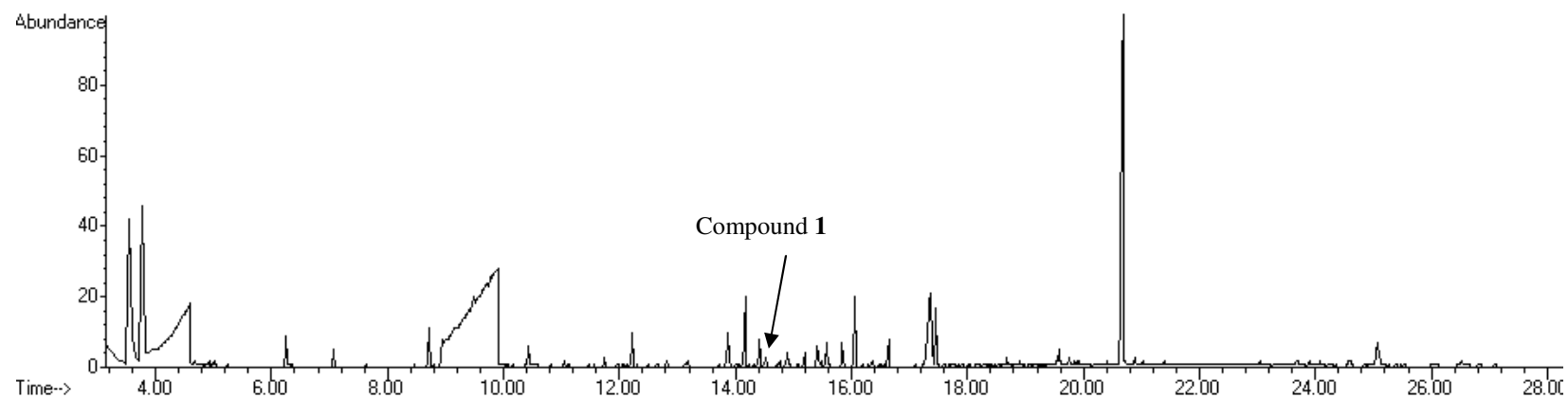
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