

Two-Phase Synthesis of (-)-Taxuyunnanine D

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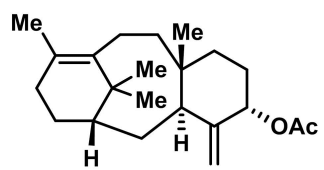
SUPPORTING INFORMATION

Part 2: NMR Spectra of Synthesized Compounds

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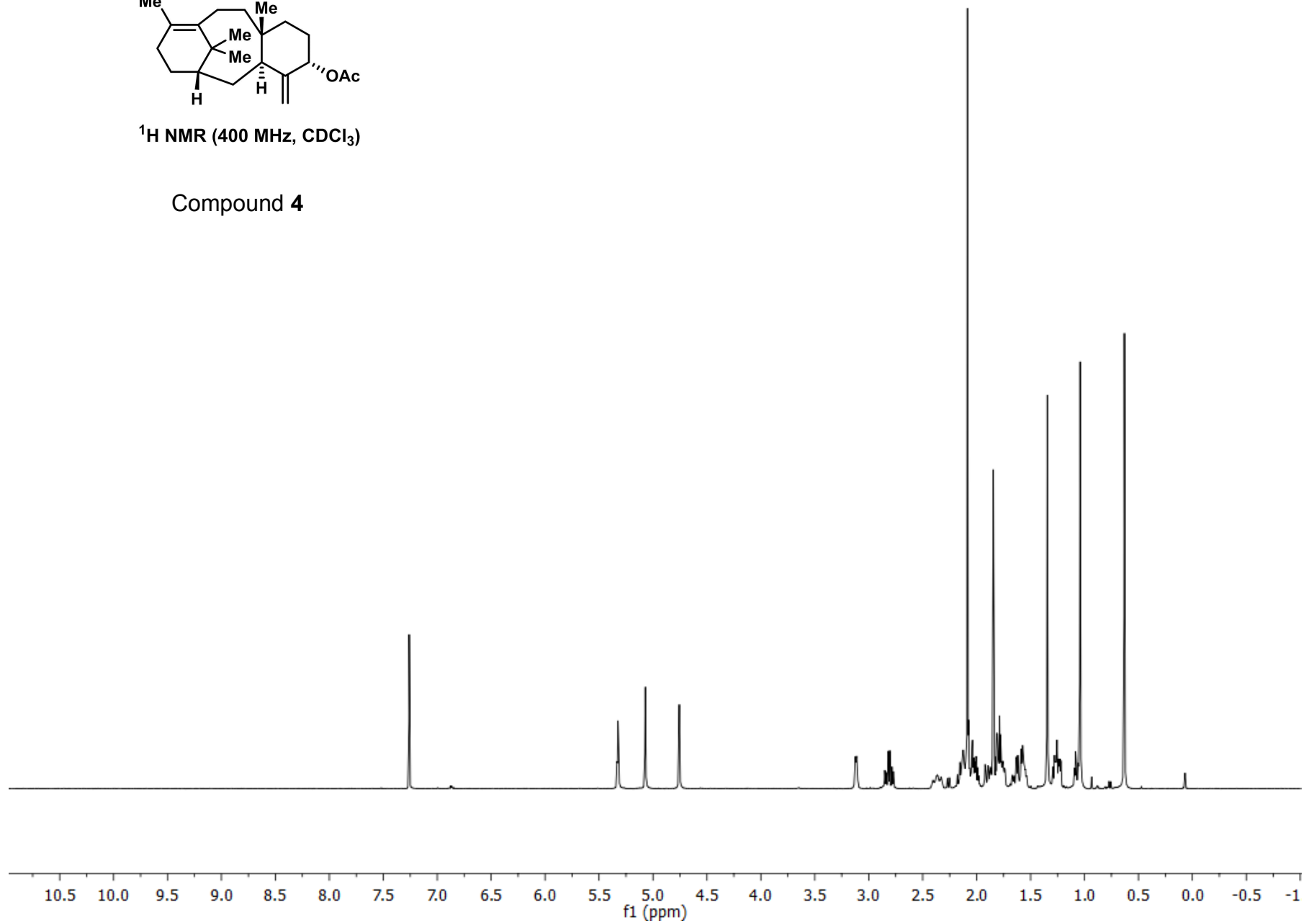
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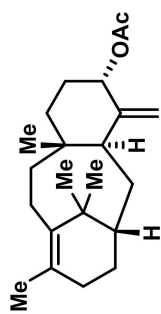


$^1\text{H NMR}$ (400 MHz, CDCl_3)

Compound 4

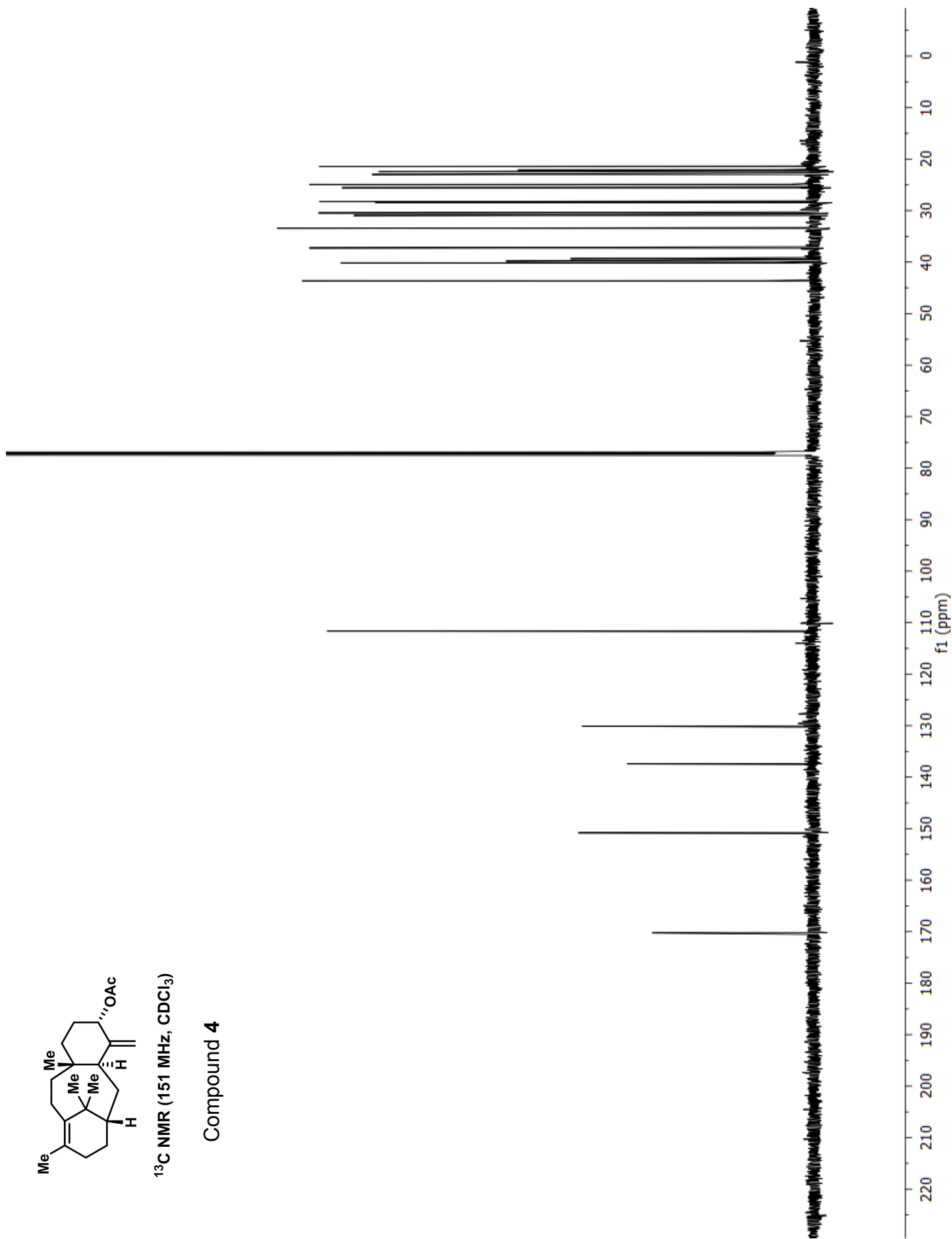
S3

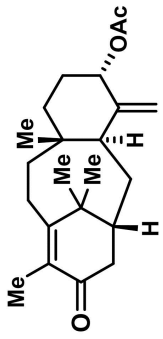




^{13}C NMR (151 MHz, CDCl_3)

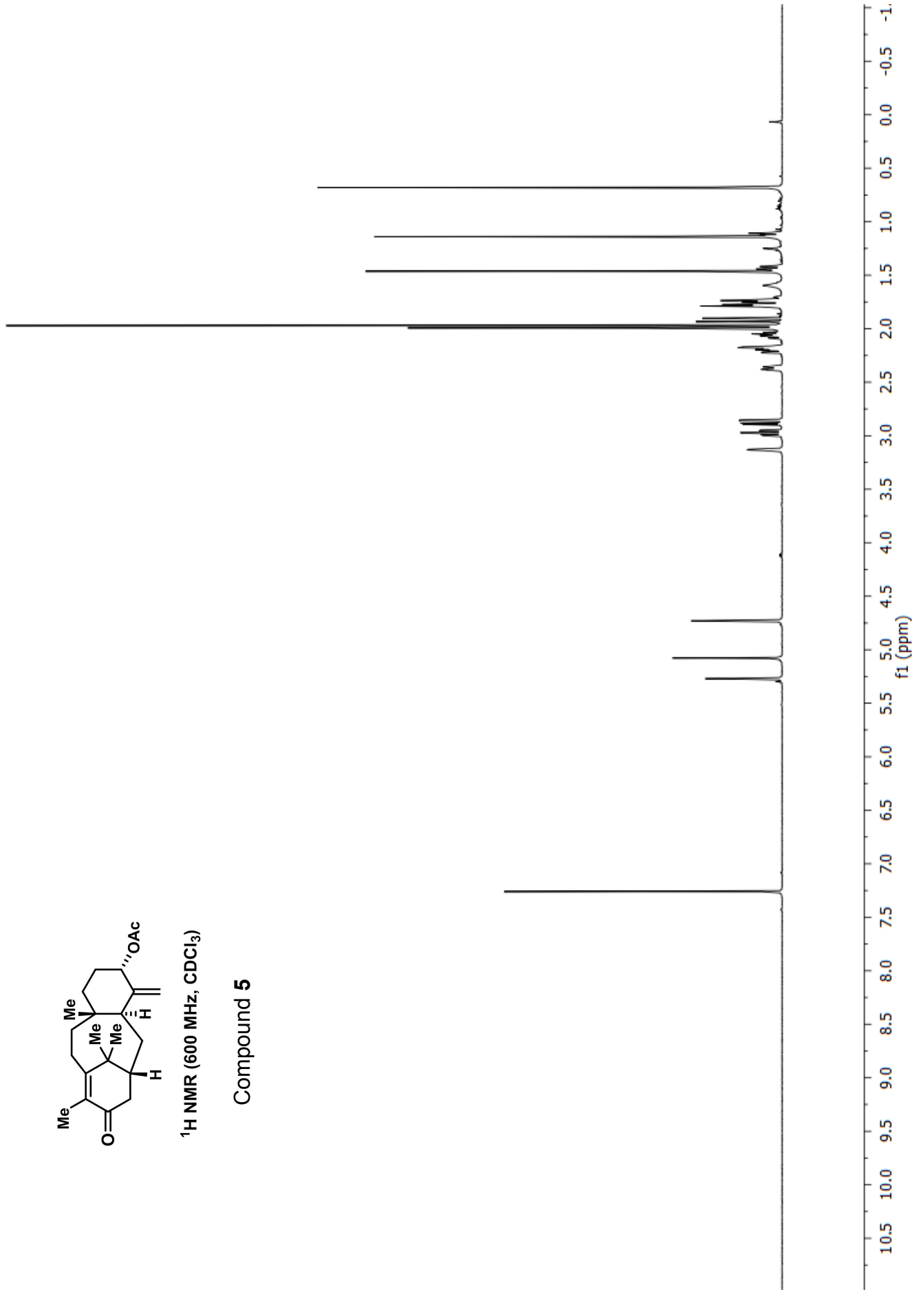
Compound 4

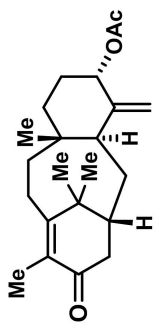




¹H NMR (600 MHz, CDCl₃)

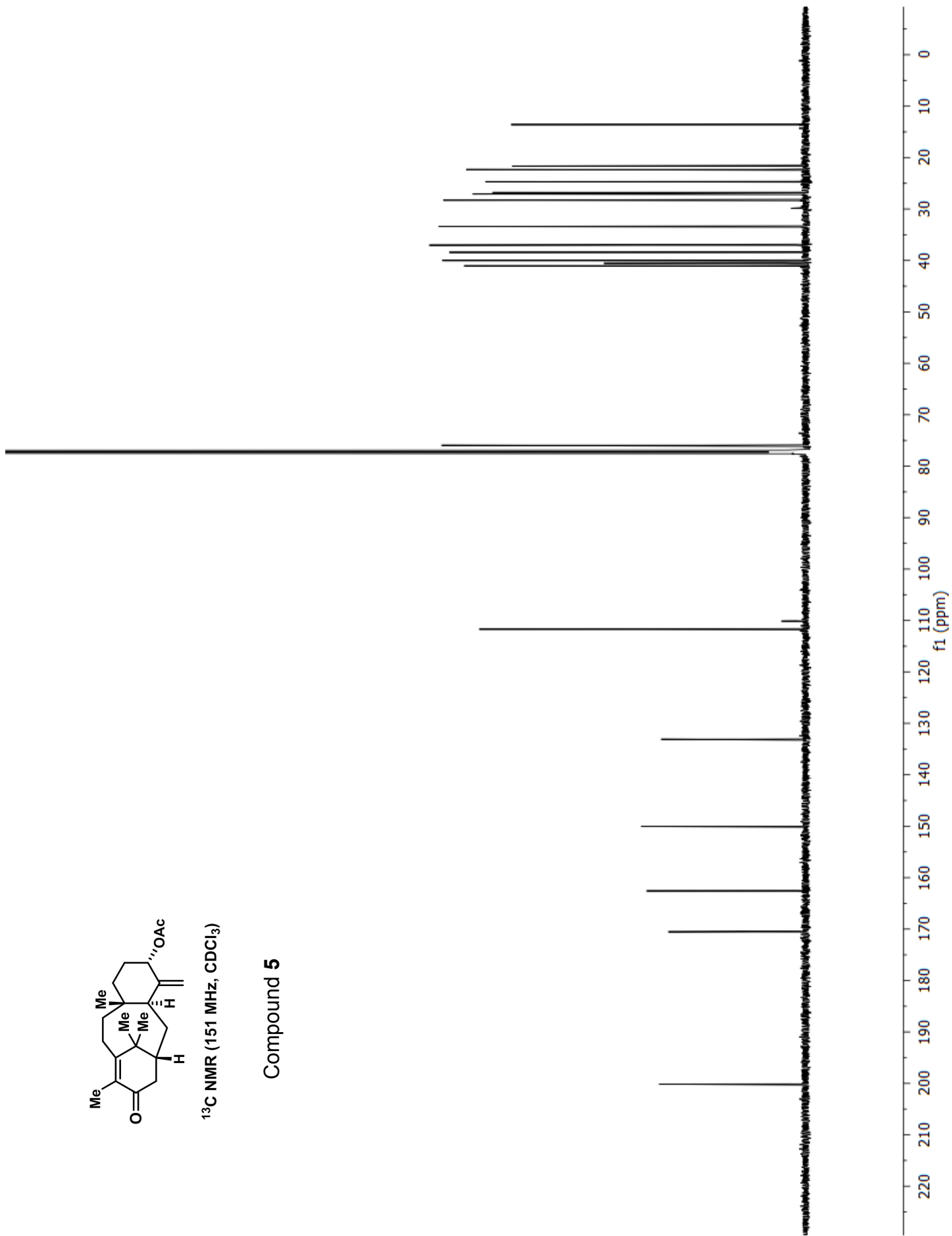
Compound **5**

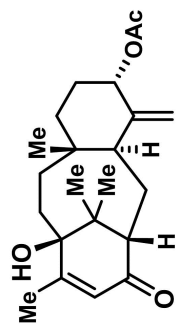




^{13}C NMR (151 MHz, CDCl_3)

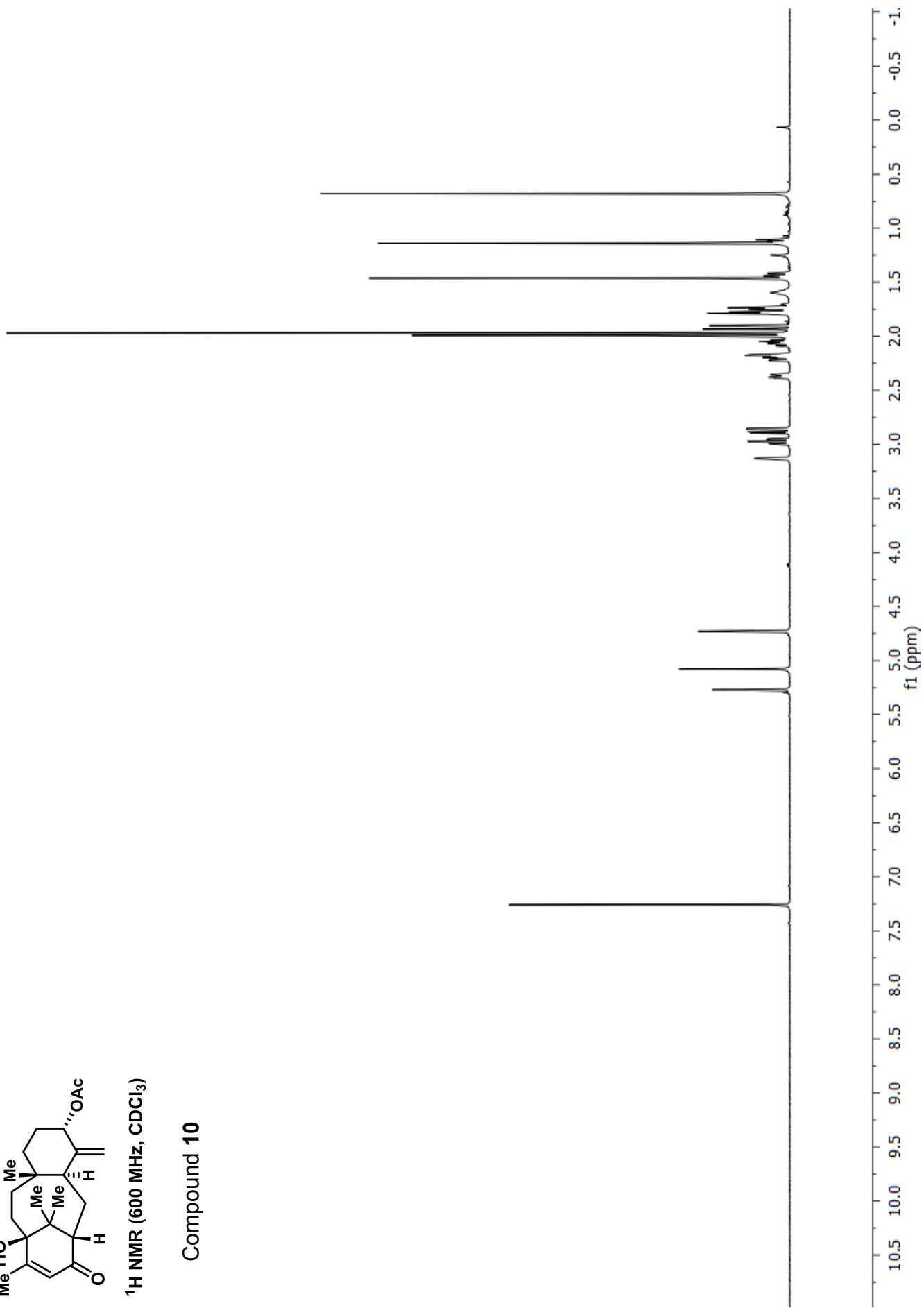
Compound **5**

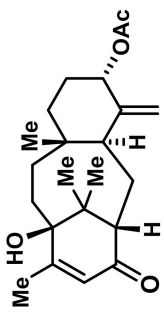




^1H NMR (600 MHz, CDCl_3)

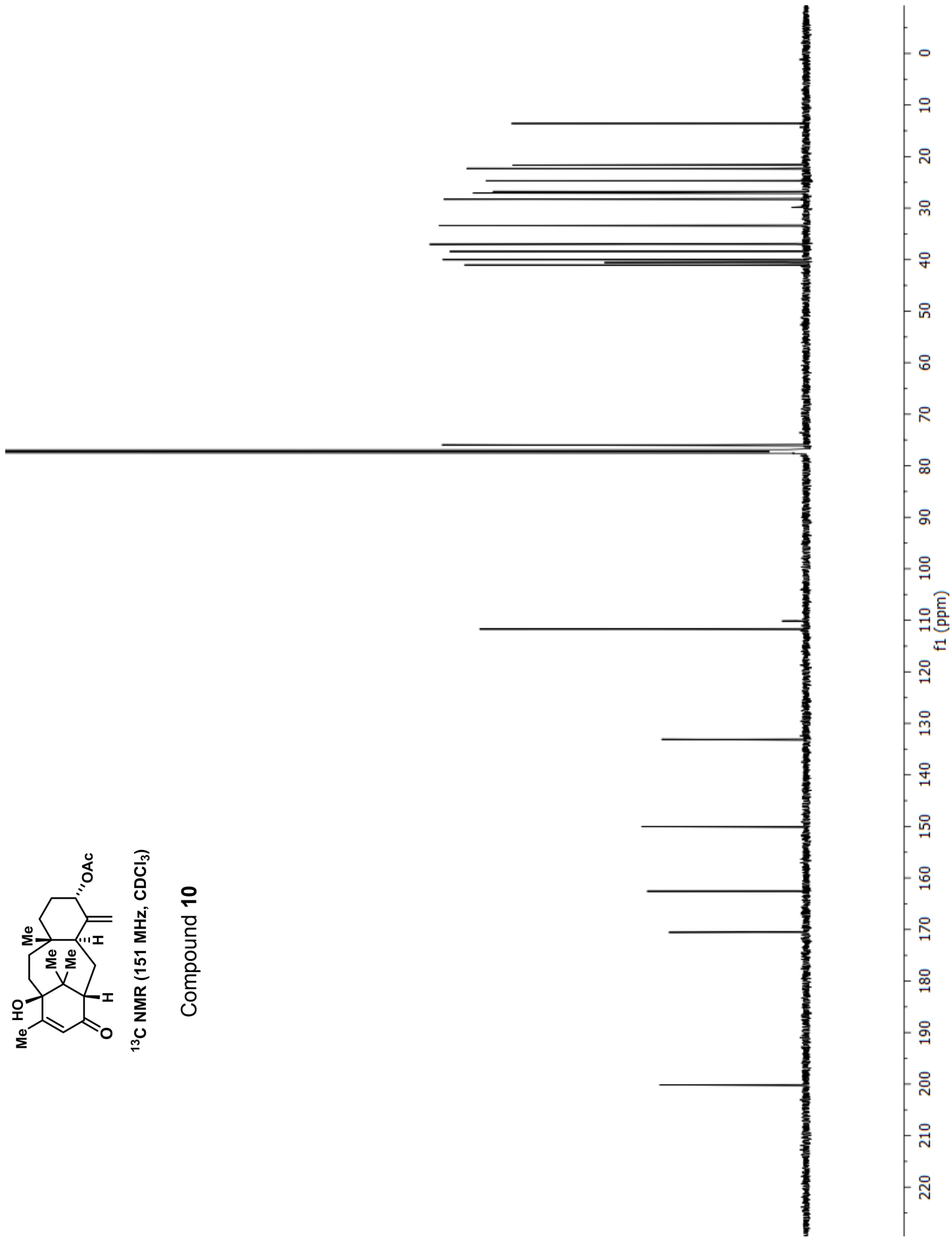
Compound **10**

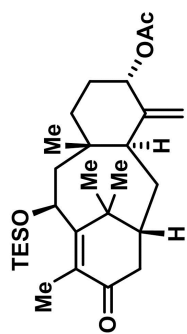




^{13}C NMR (151 MHz, CDCl_3)

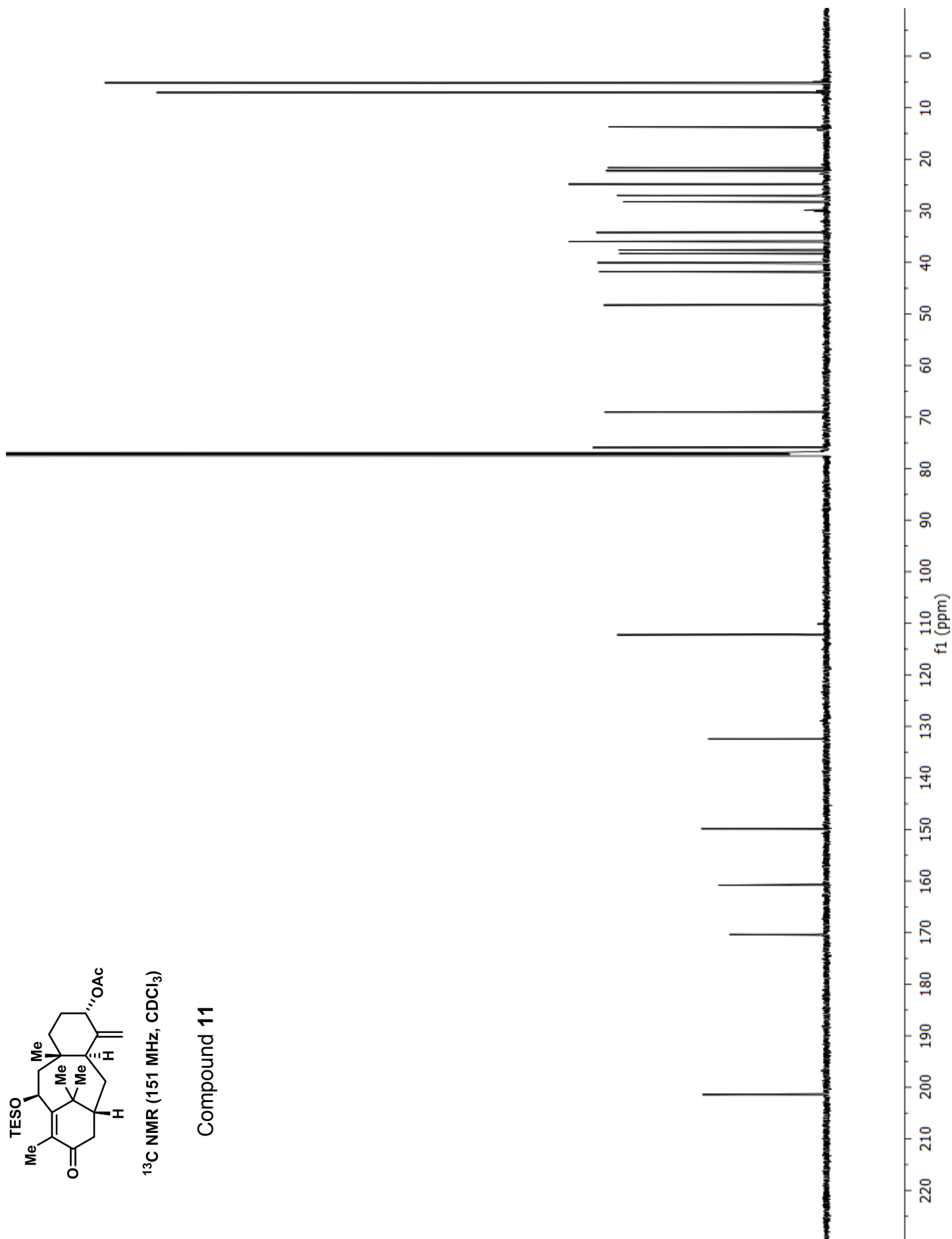
Compound 10

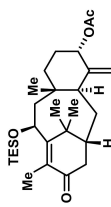




^{13}C NMR (151 MHz, CDCl_3)

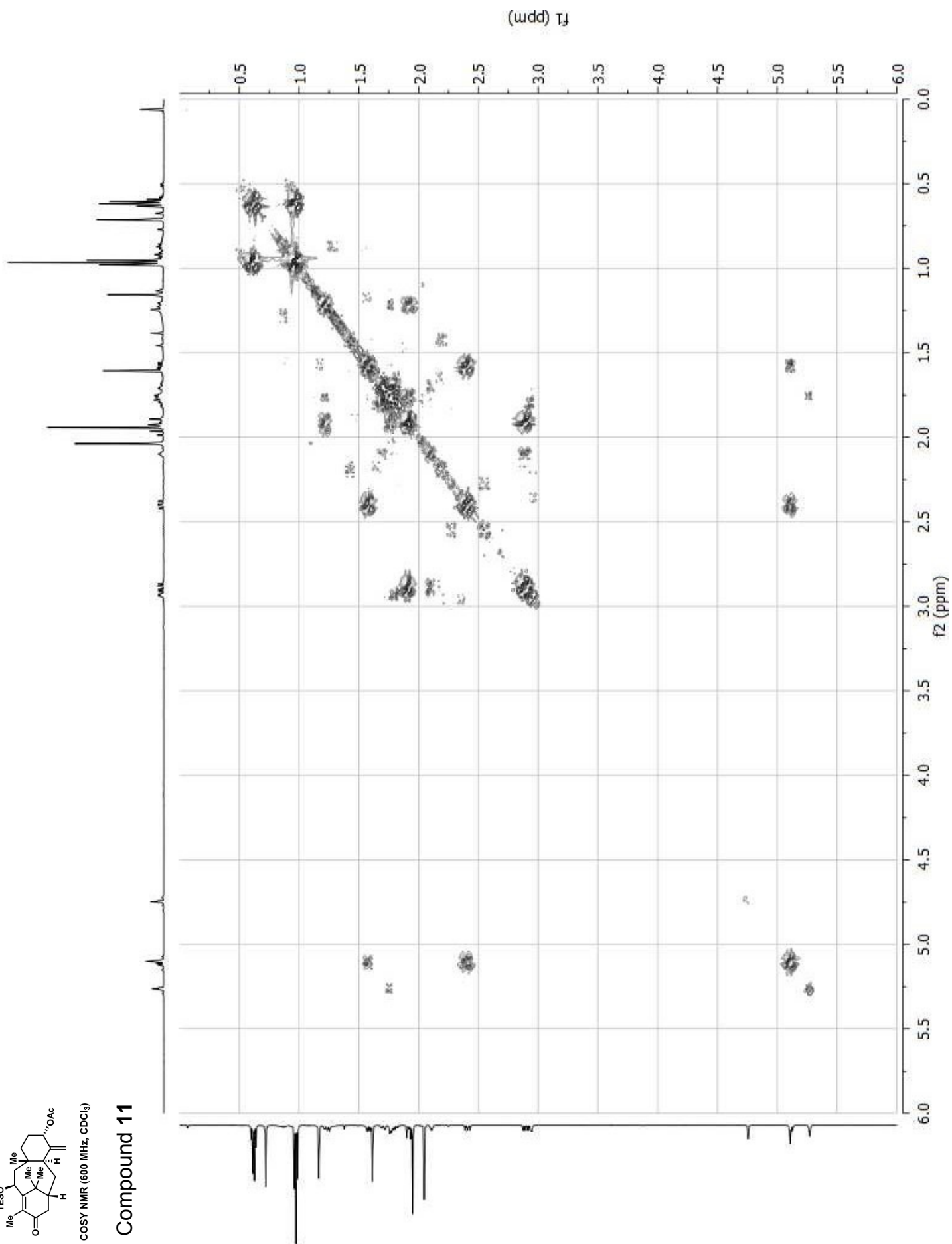
Compound **11**

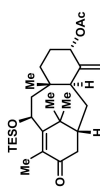




COSY NMR (600 MHz, CDCl₃)

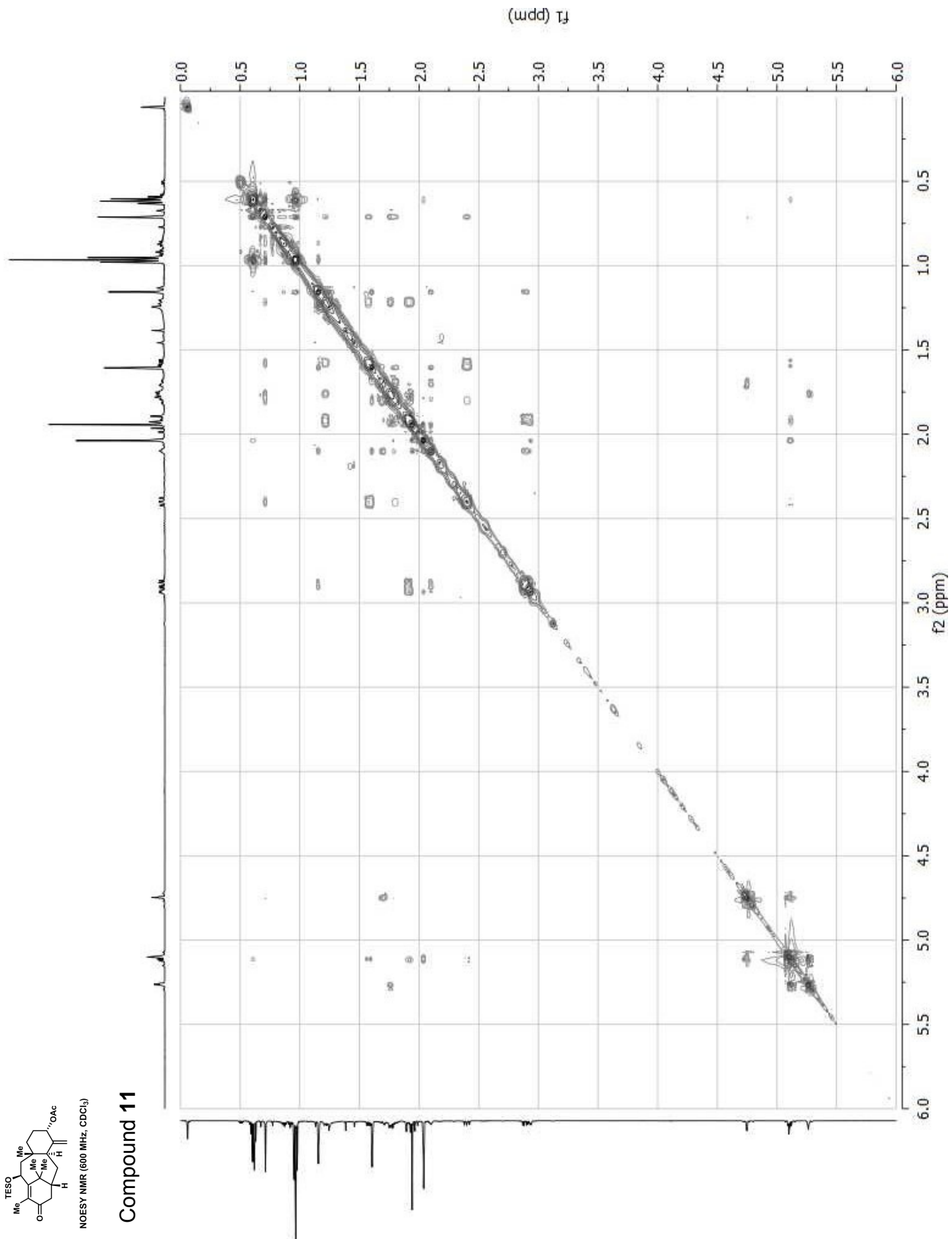
Compound 11

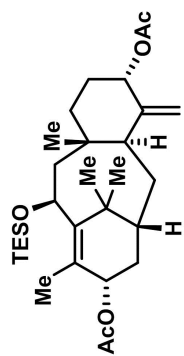




NOESY NMR (600 MHz, CDCl₃)

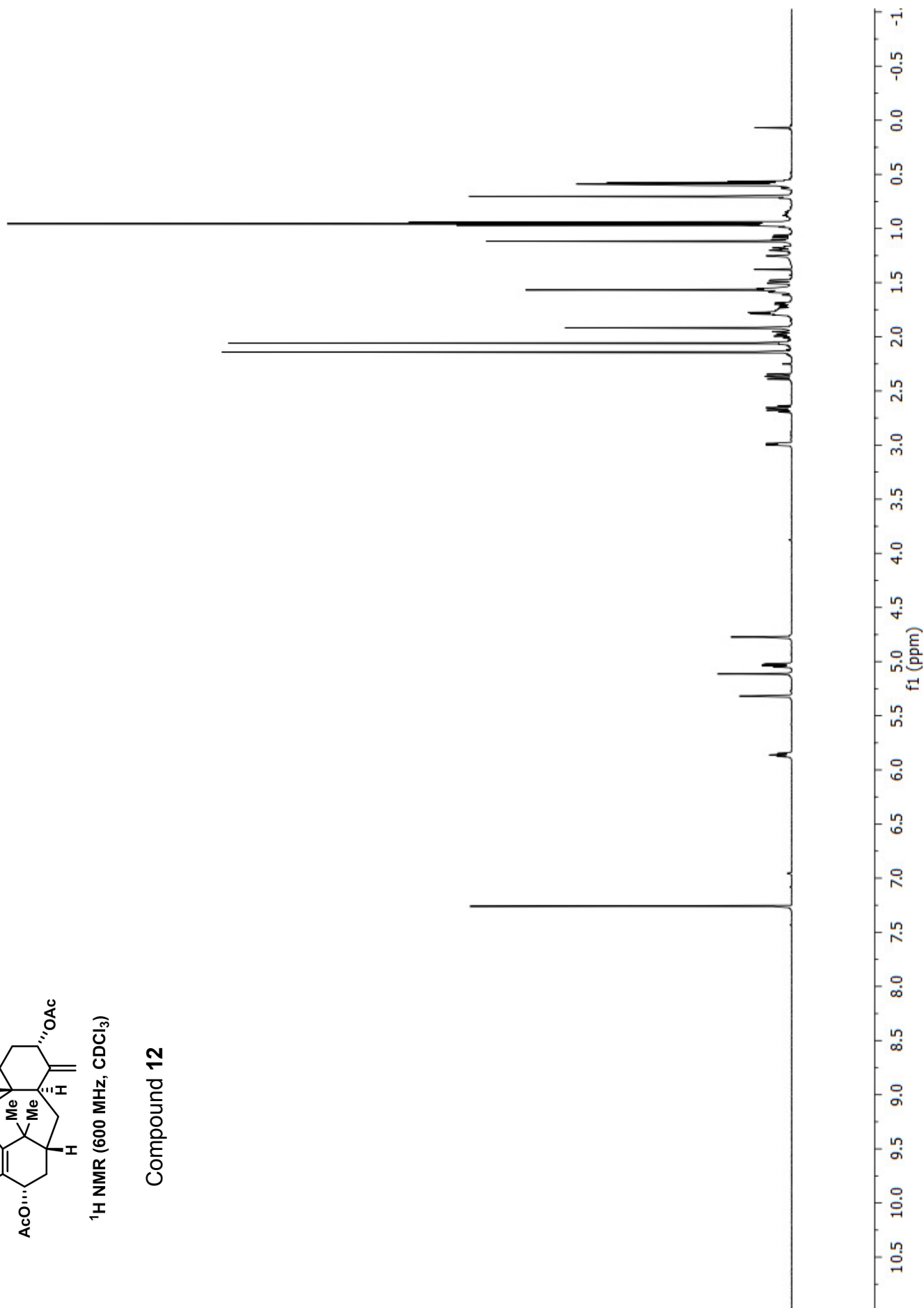
Compound 11

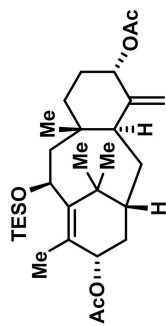




¹H NMR (600 MHz, CDCl₃)

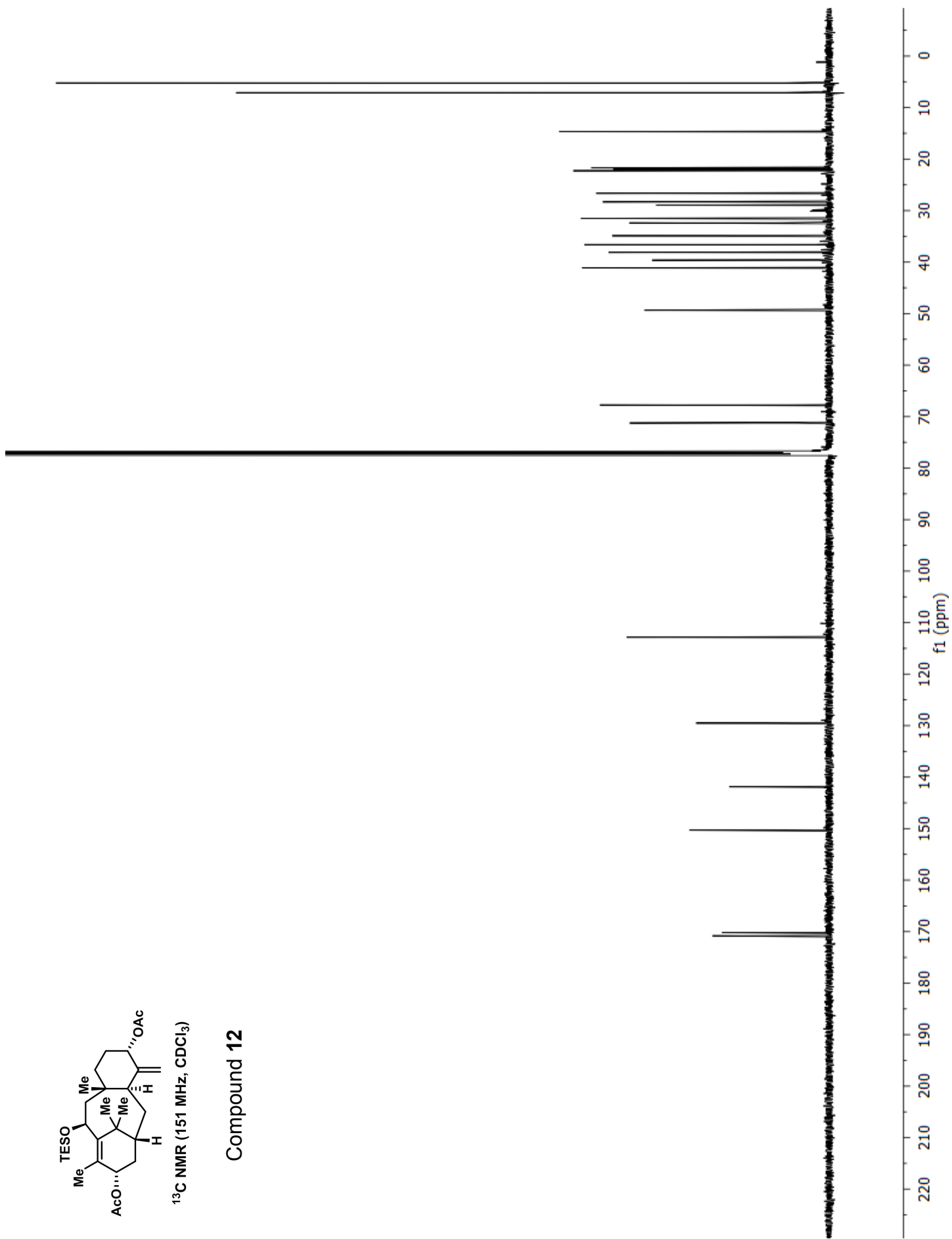
Compound 12

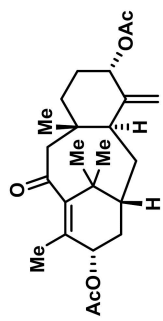




^{13}C NMR (151 MHz, CDCl_3)

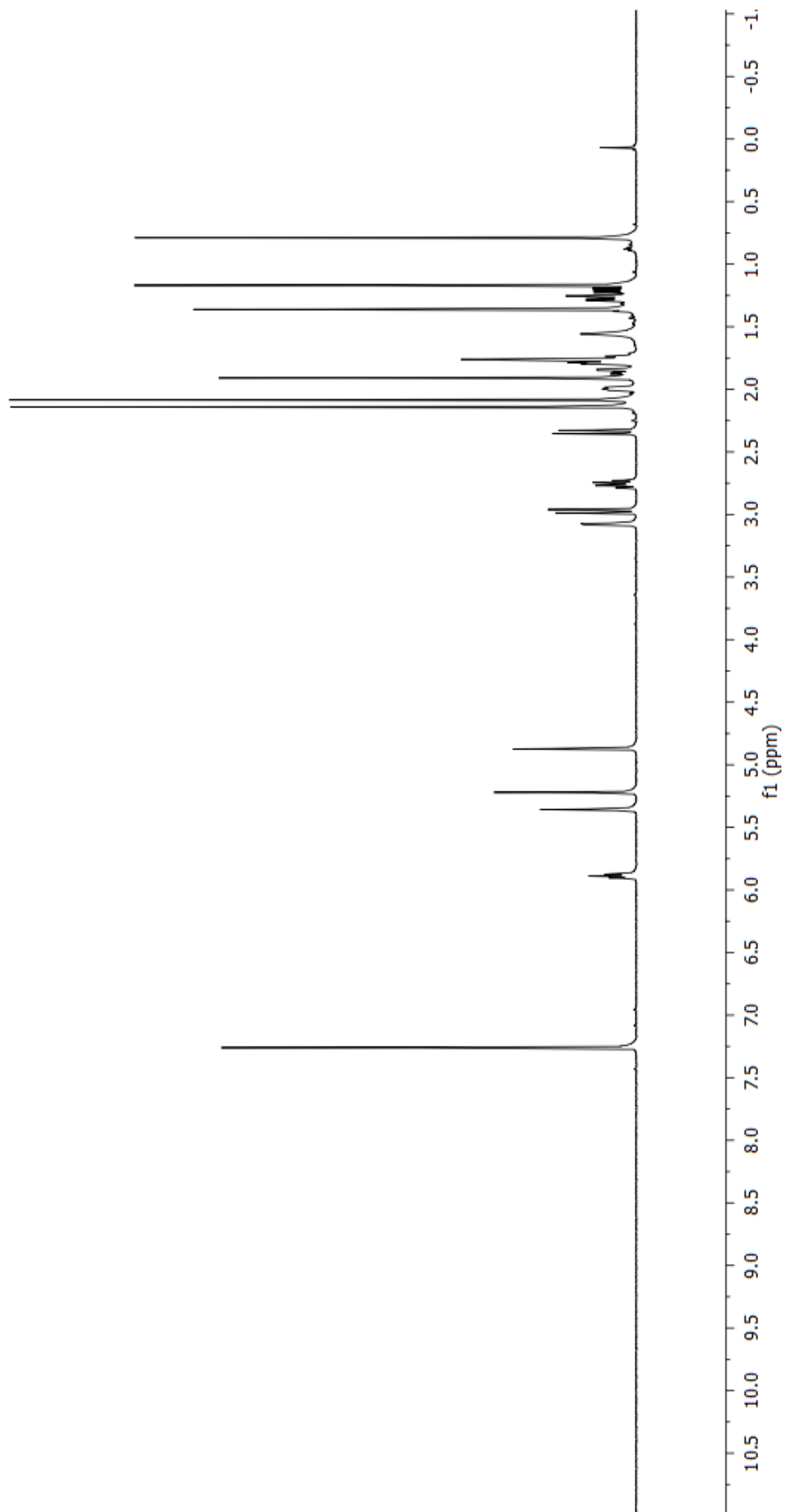
Compound 12

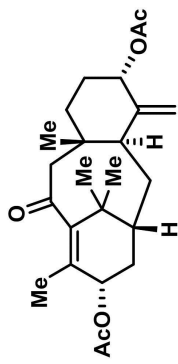




^1H NMR (600 MHz, CDCl_3)

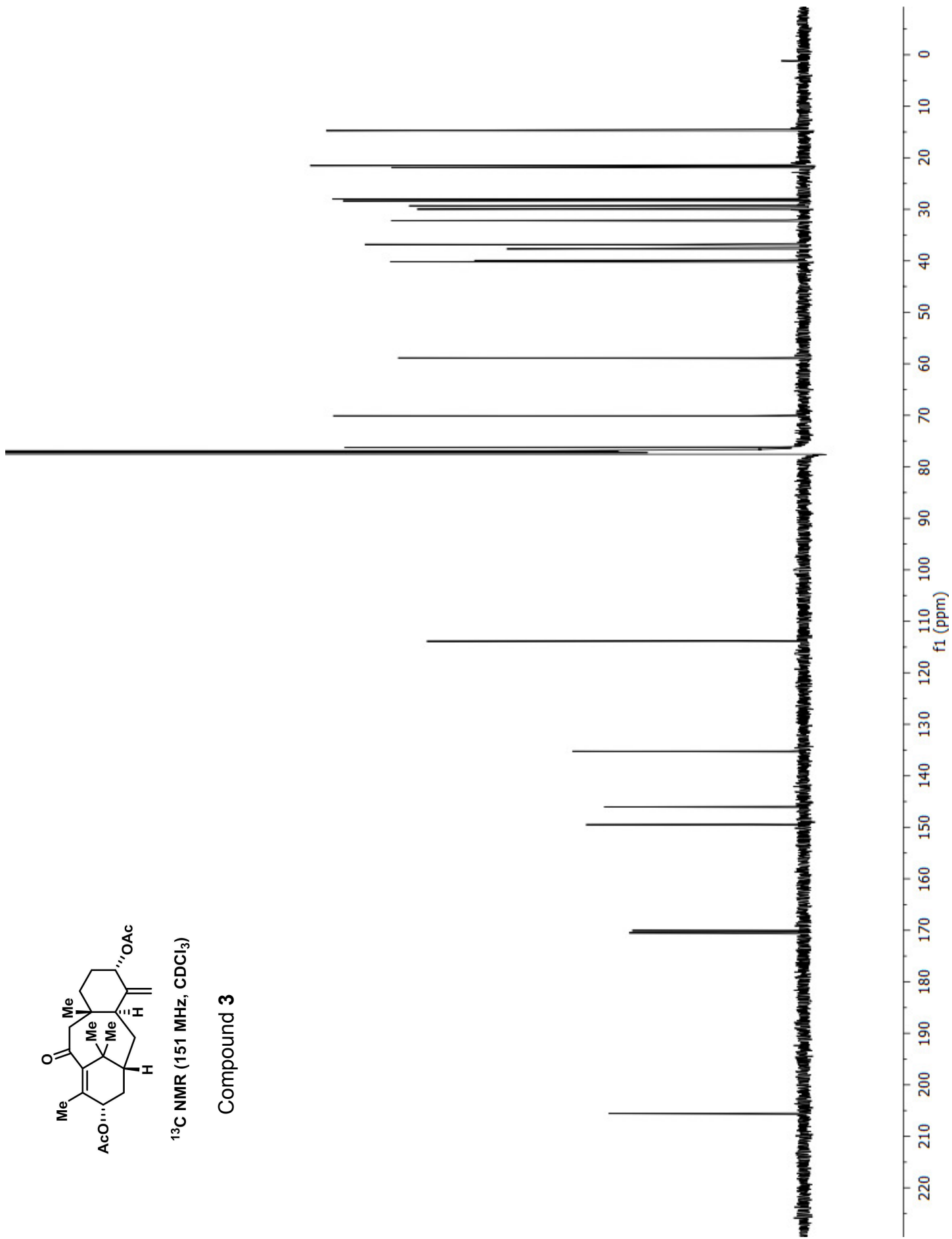
Compound **3**

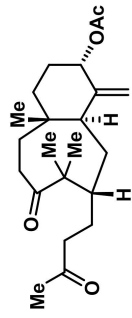




^{13}C NMR (151 MHz, CDCl_3)

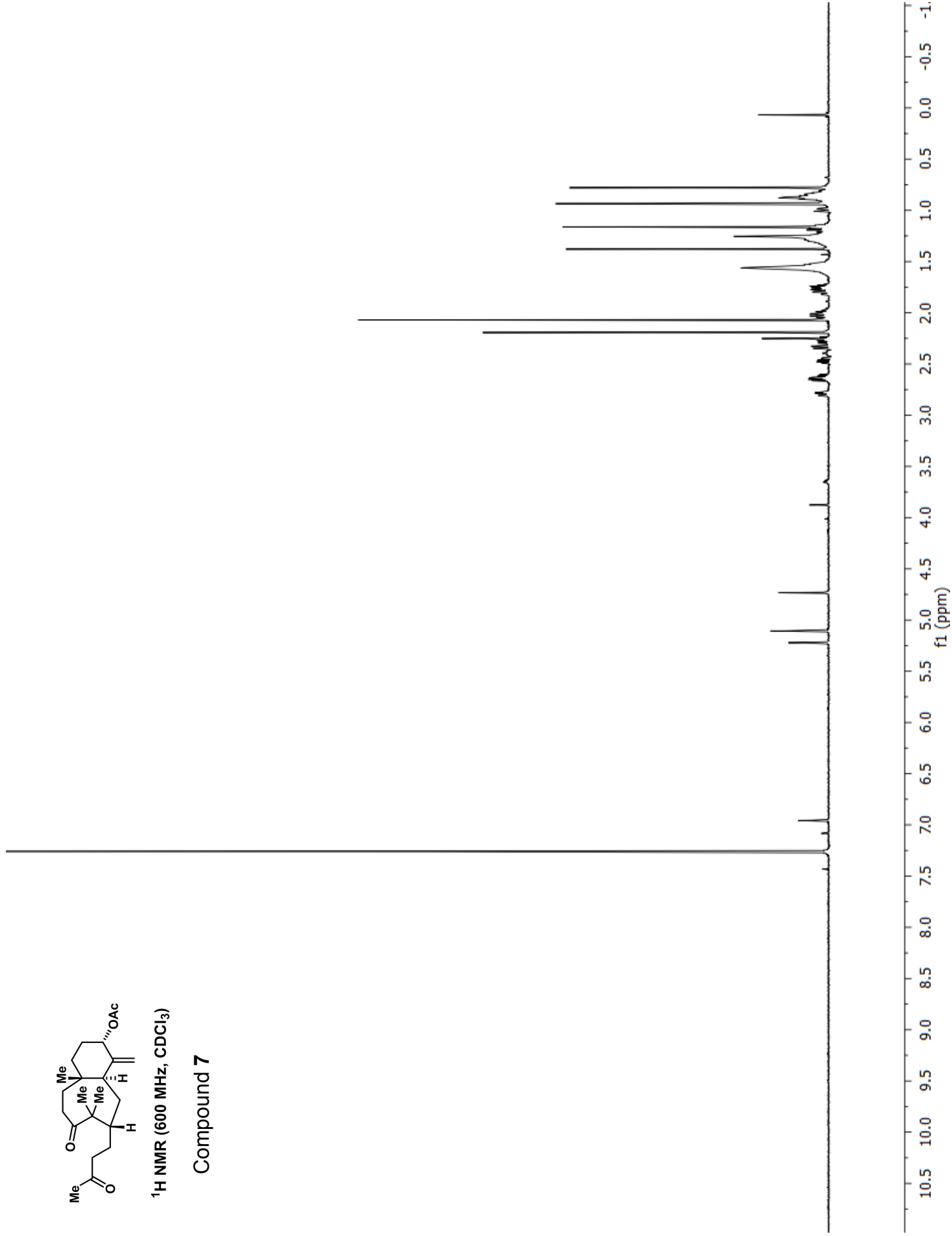
Compound **3**

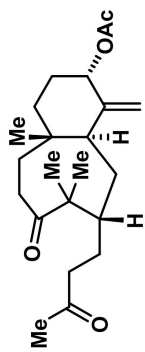




¹H NMR (600 MHz, CDCl₃)

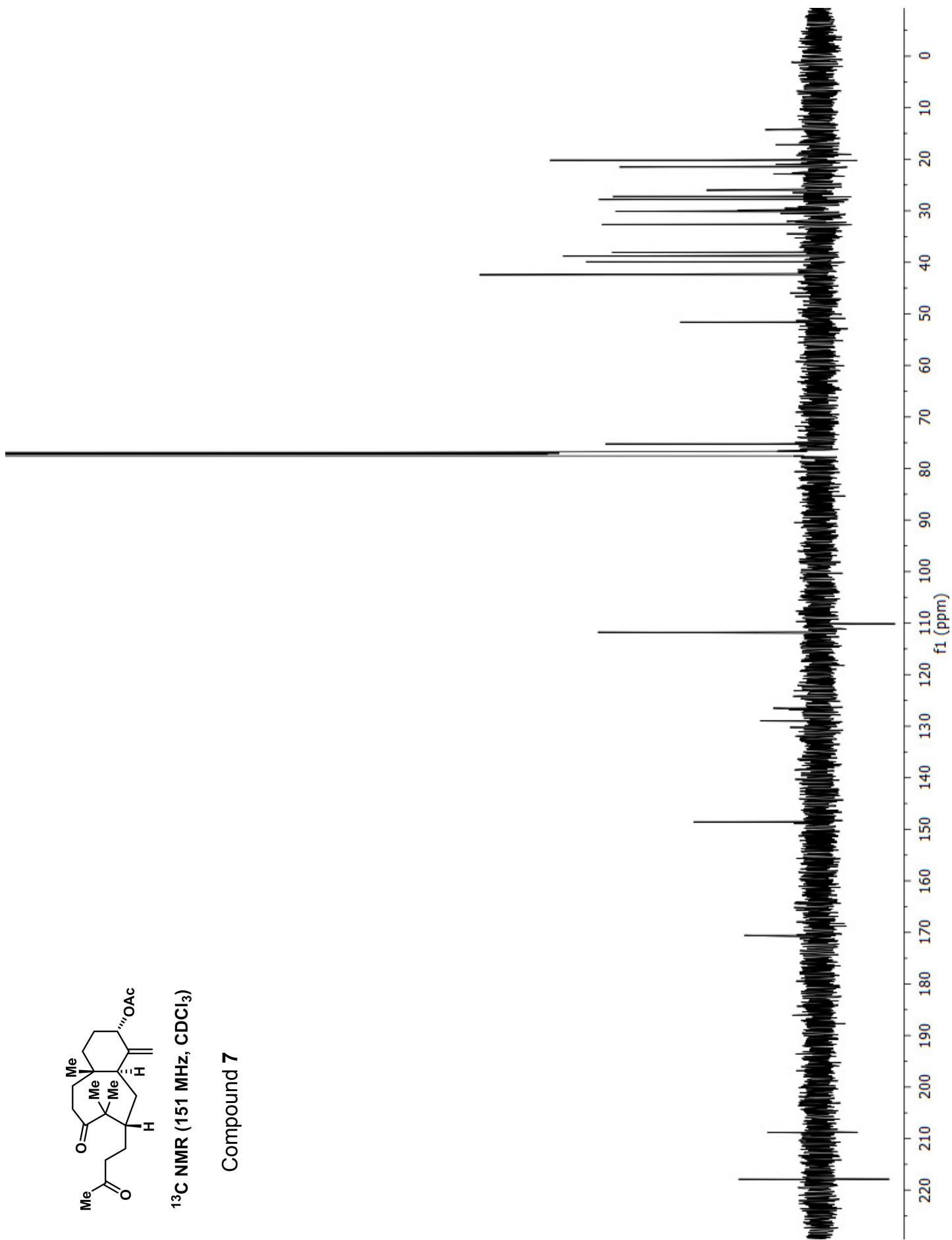
Compound 7

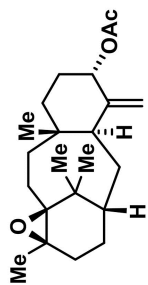




^{13}C NMR (151 MHz, CDCl_3)

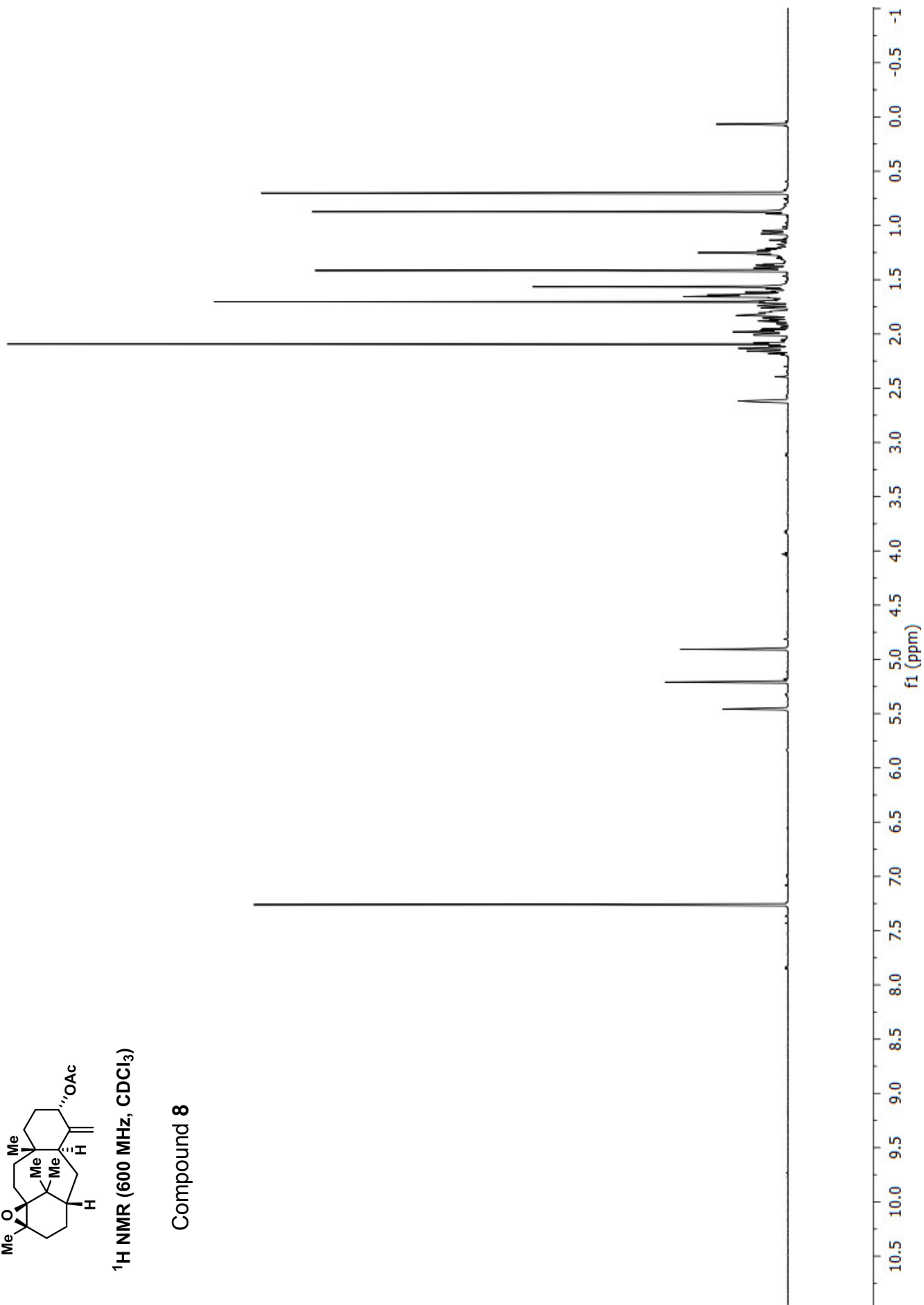
Compound 7

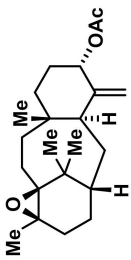




¹H NMR (600 MHz, CDCl₃)

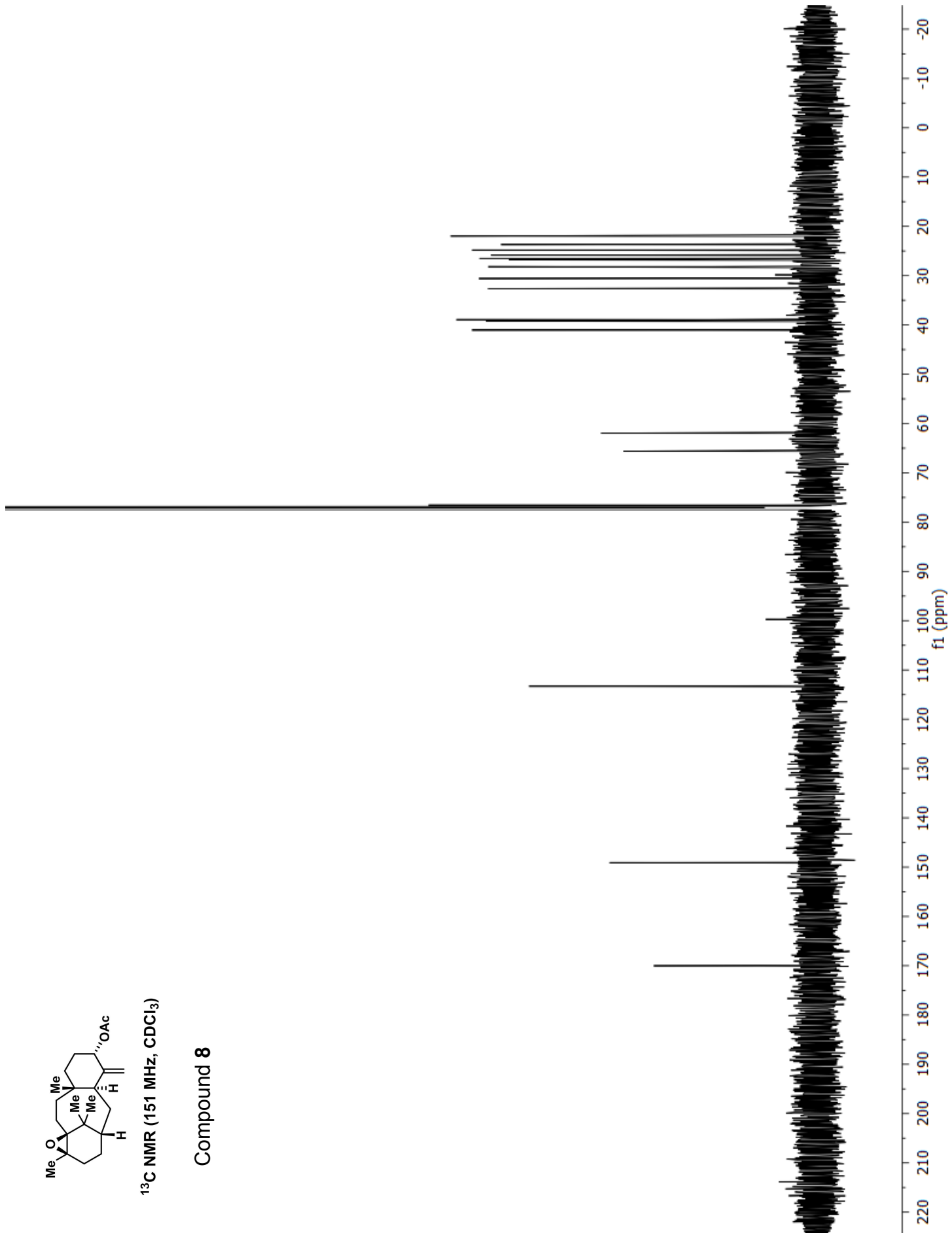
Compound **8**

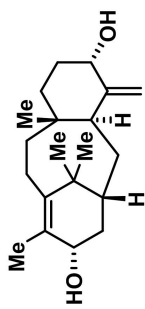




^{13}C NMR (151 MHz, CDCl_3)

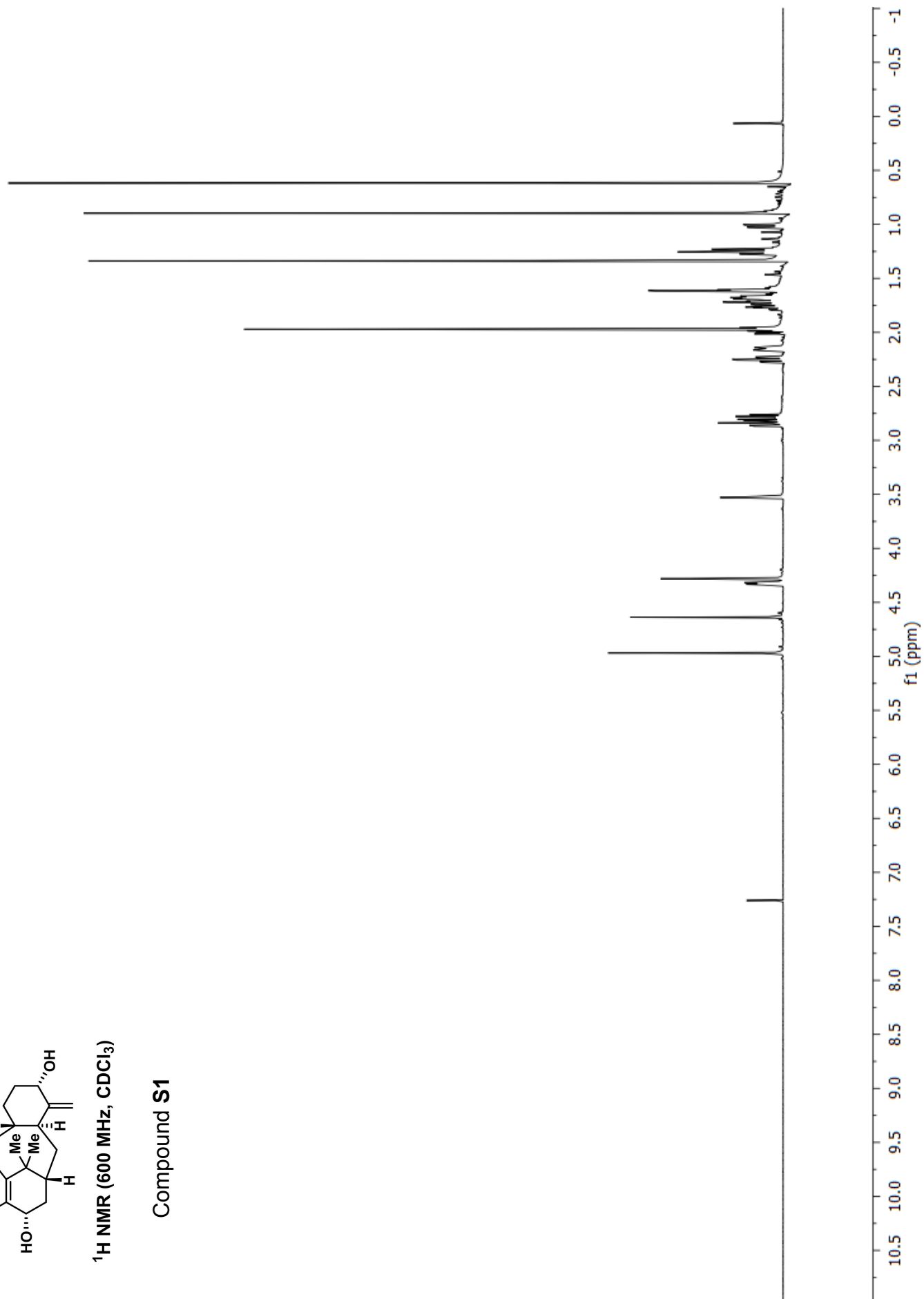
Compound 8

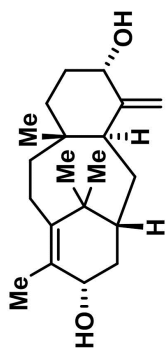




¹H NMR (600 MHz, CDCl₃)

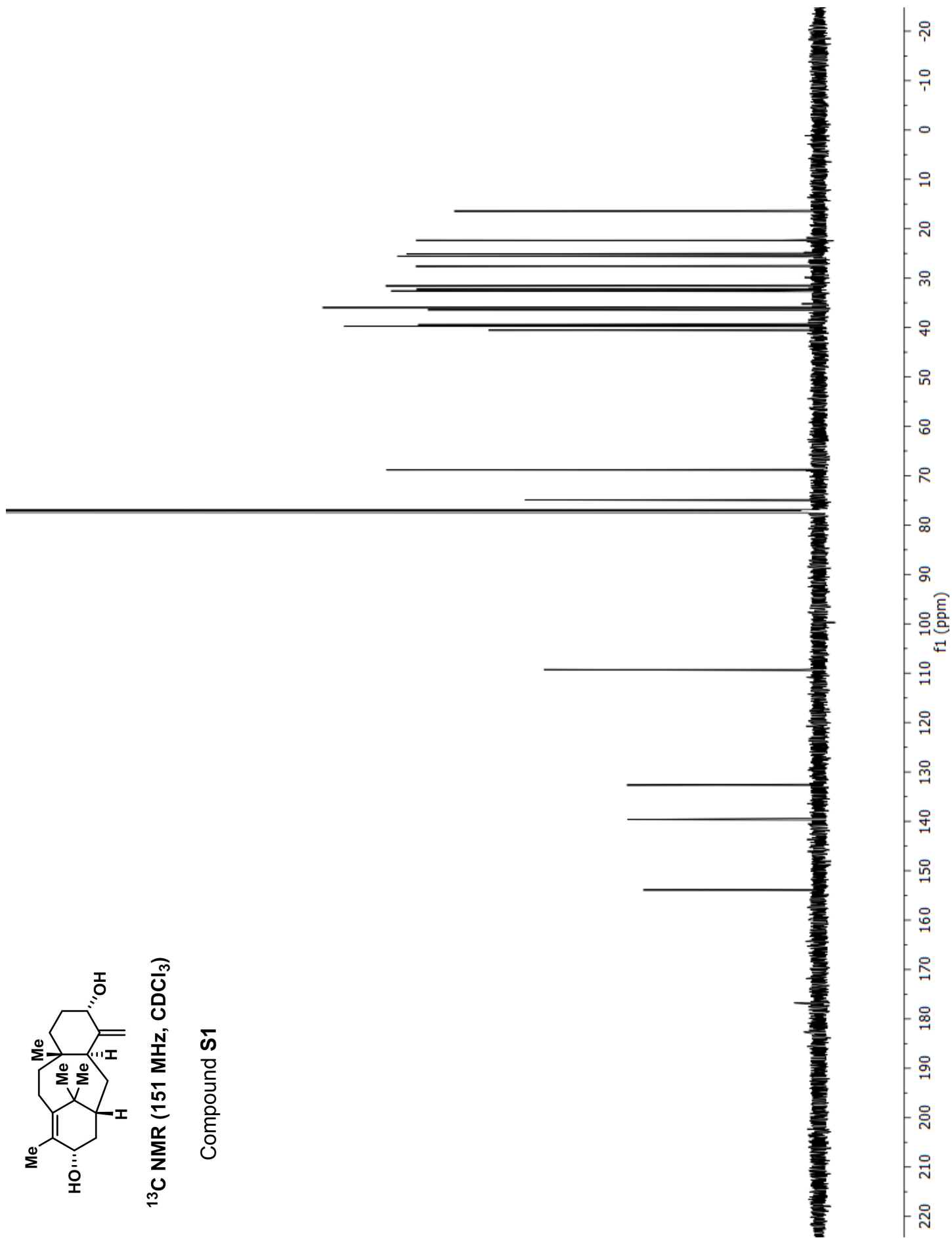
Compound **S1**

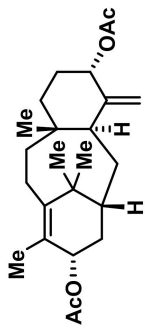




^{13}C NMR (151 MHz, CDCl_3)

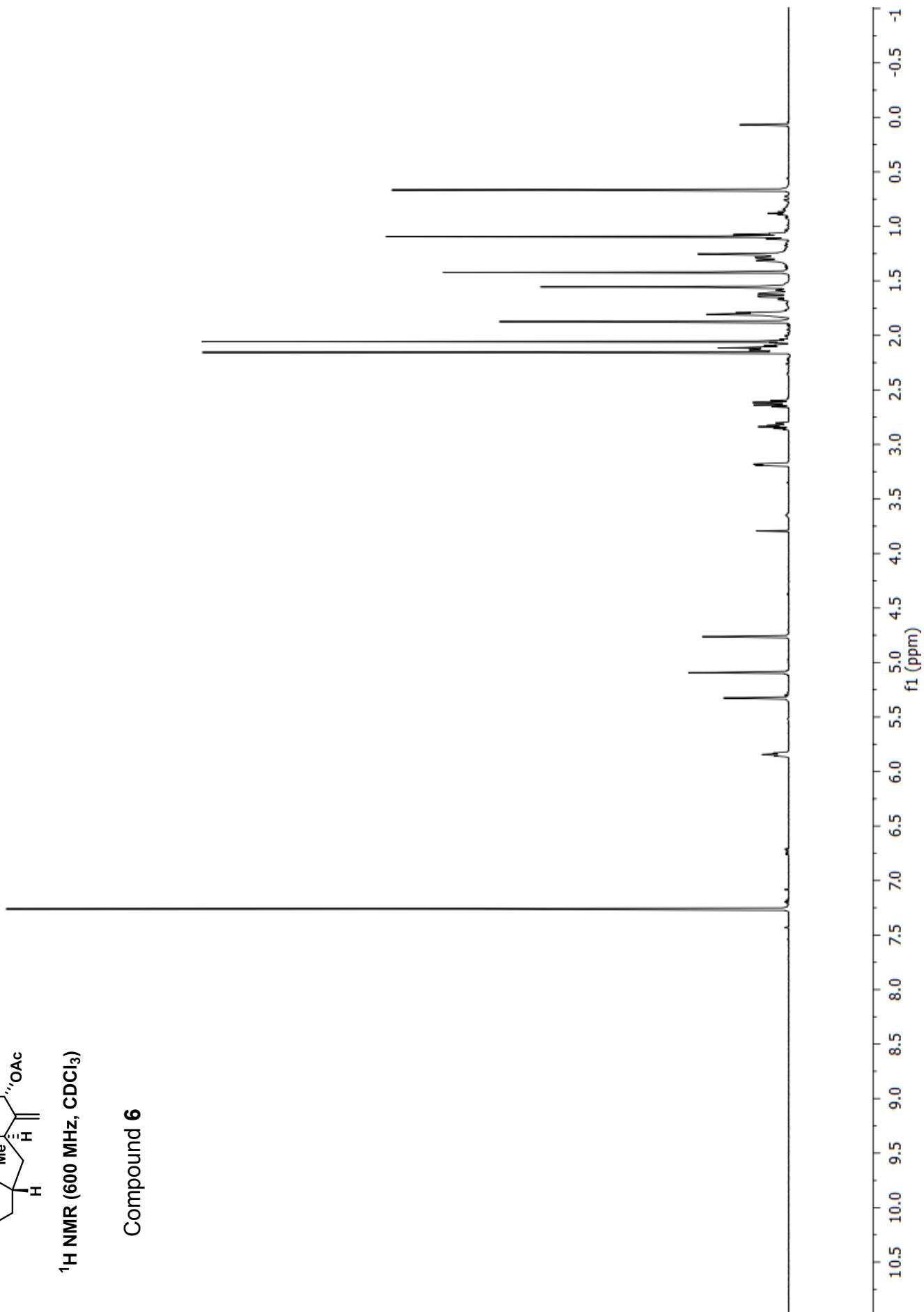
Compound S1

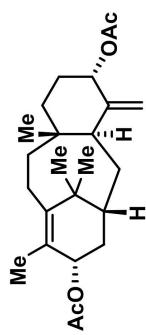




¹H NMR (600 MHz, CDCl₃)

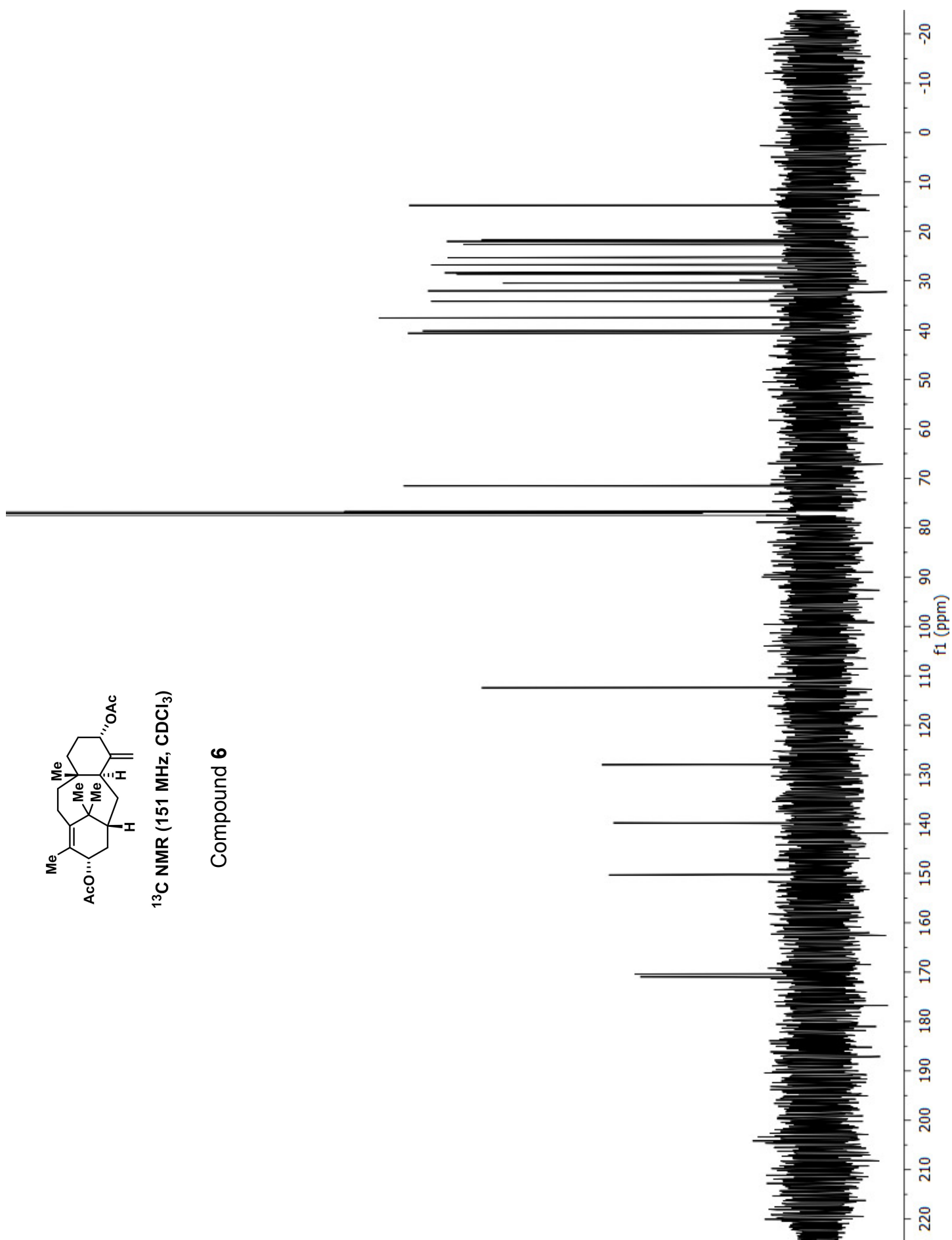
Compound **6**

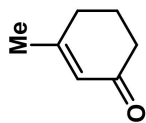




^{13}C NMR (151 MHz, CDCl_3)

Compound **6**



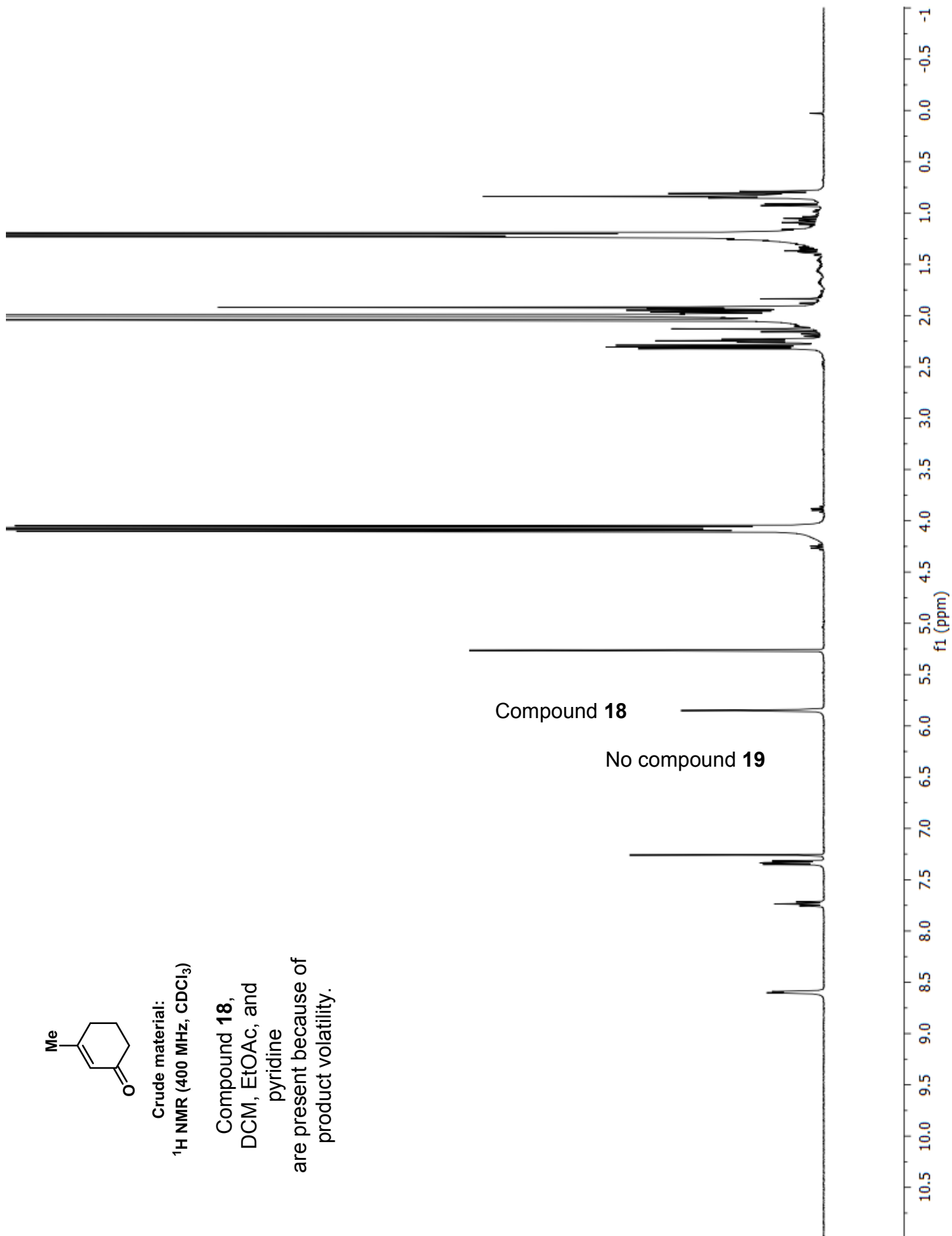


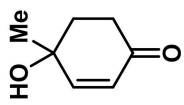
Crude material:
¹H NMR (400 MHz, CDCl₃)

Compound **18**,
DCM, EtOAc, and
pyridine
are present because of
product volatility.

Compound **18**

No compound **19**





Crude material:
¹H NMR (400 MHz, CDCl₃)

Compound **19**

