

APPENDIX 5

Spectra Relevant to Chapter 4

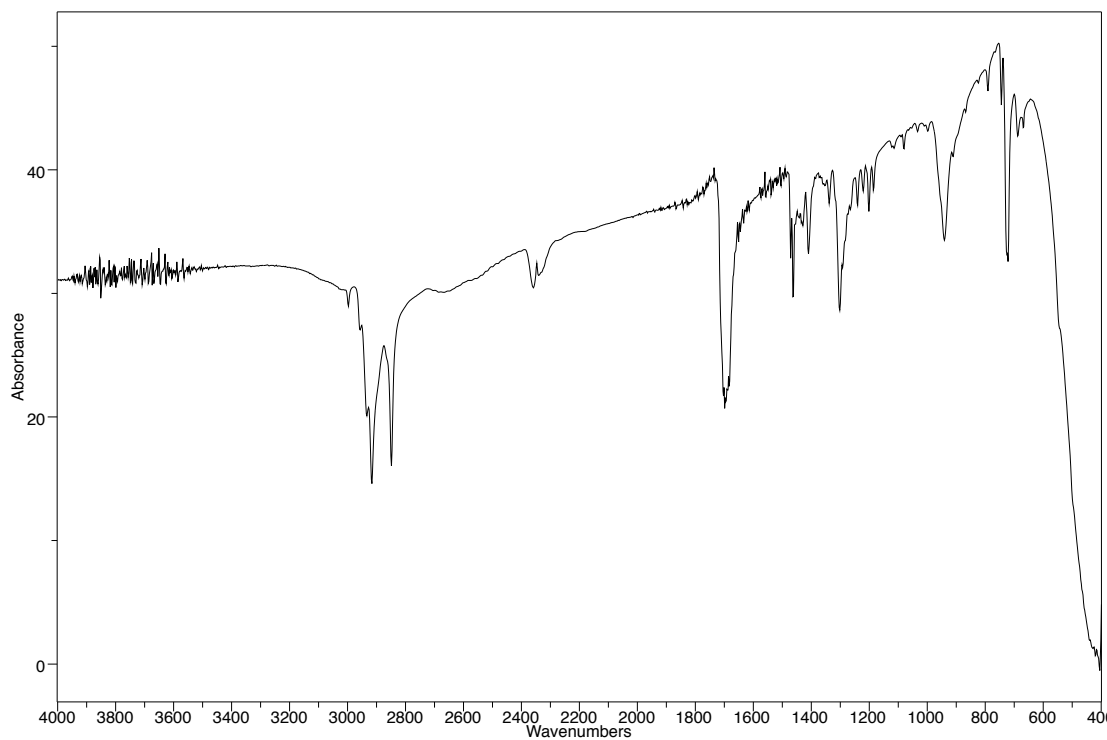


Figure A5.2 Infrared spectrum (Thin Film, NaCl) of compound **128h**.

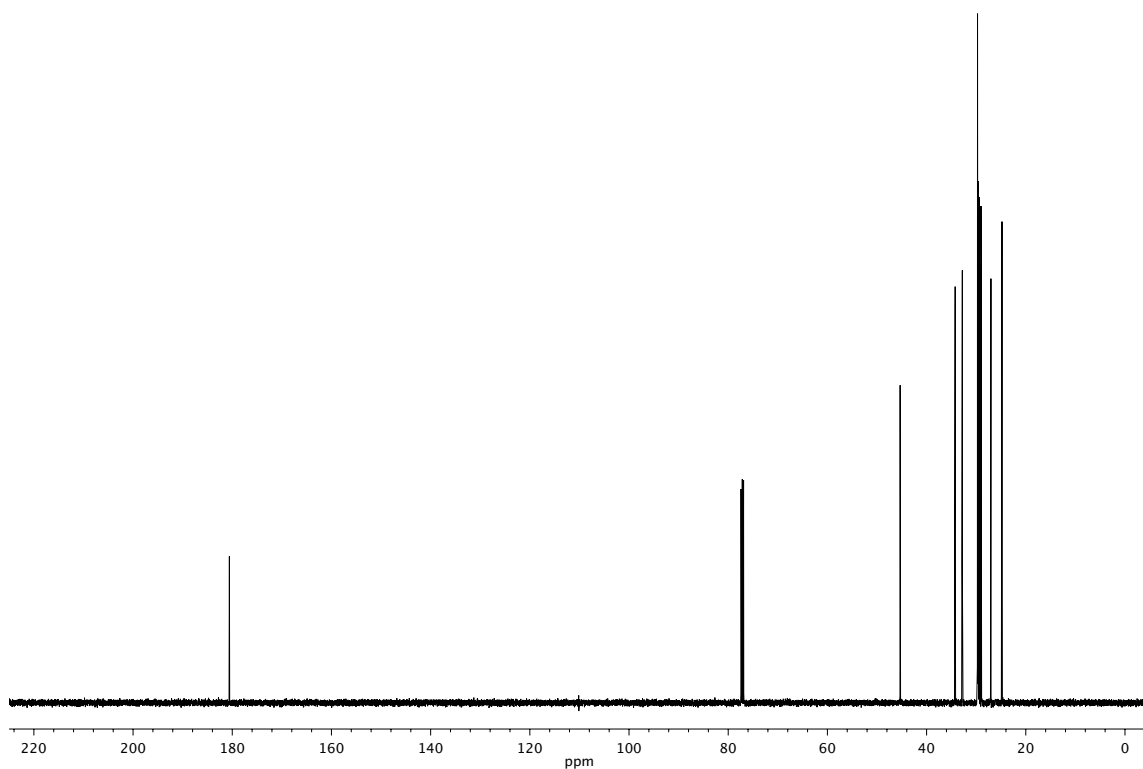


Figure A5.3 ¹³C NMR (126 MHz, CDCl₃) of compound **128h**.

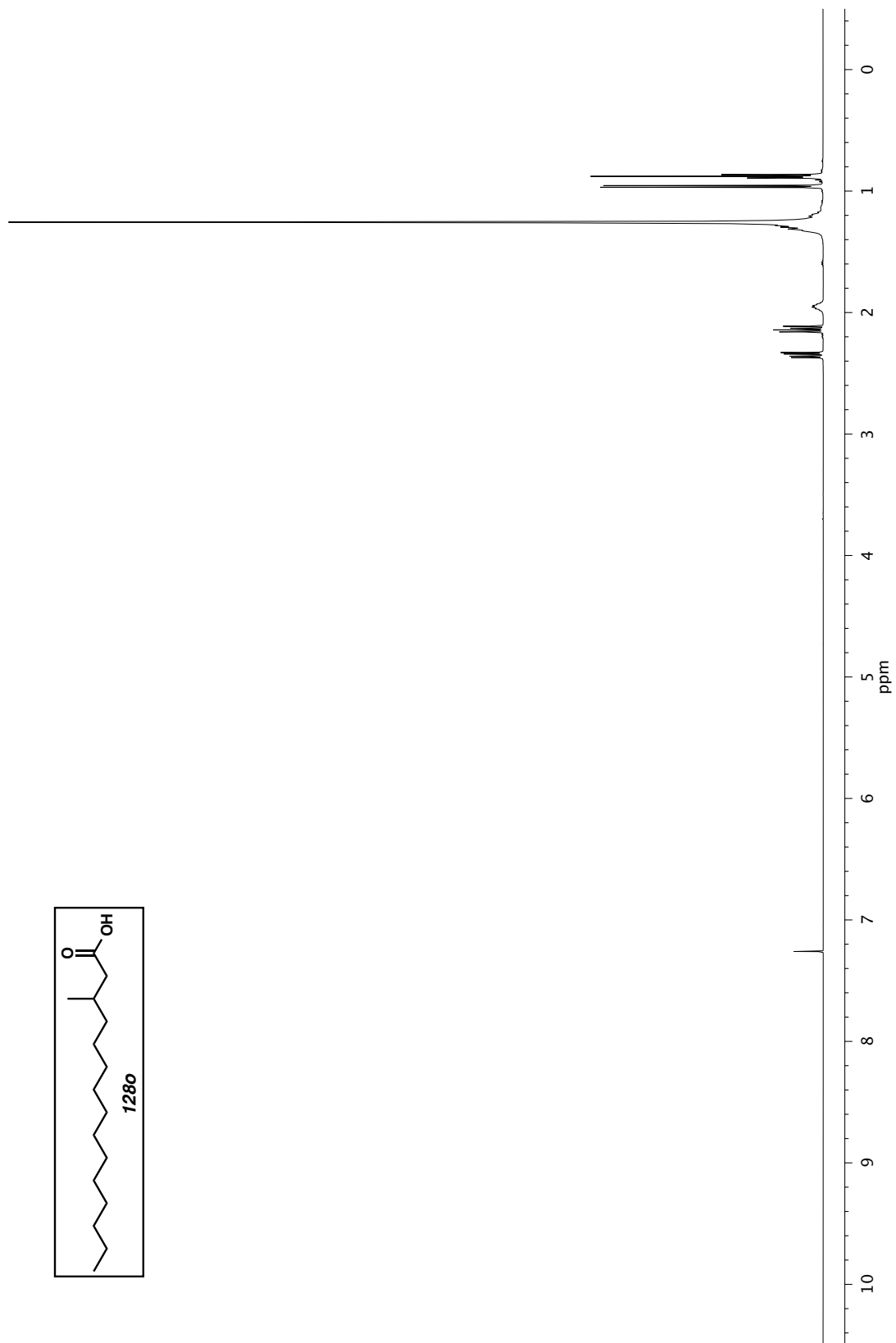


Figure A5.4 ^1H NMR (500 MHz, CDCl_3) of compound 1280.

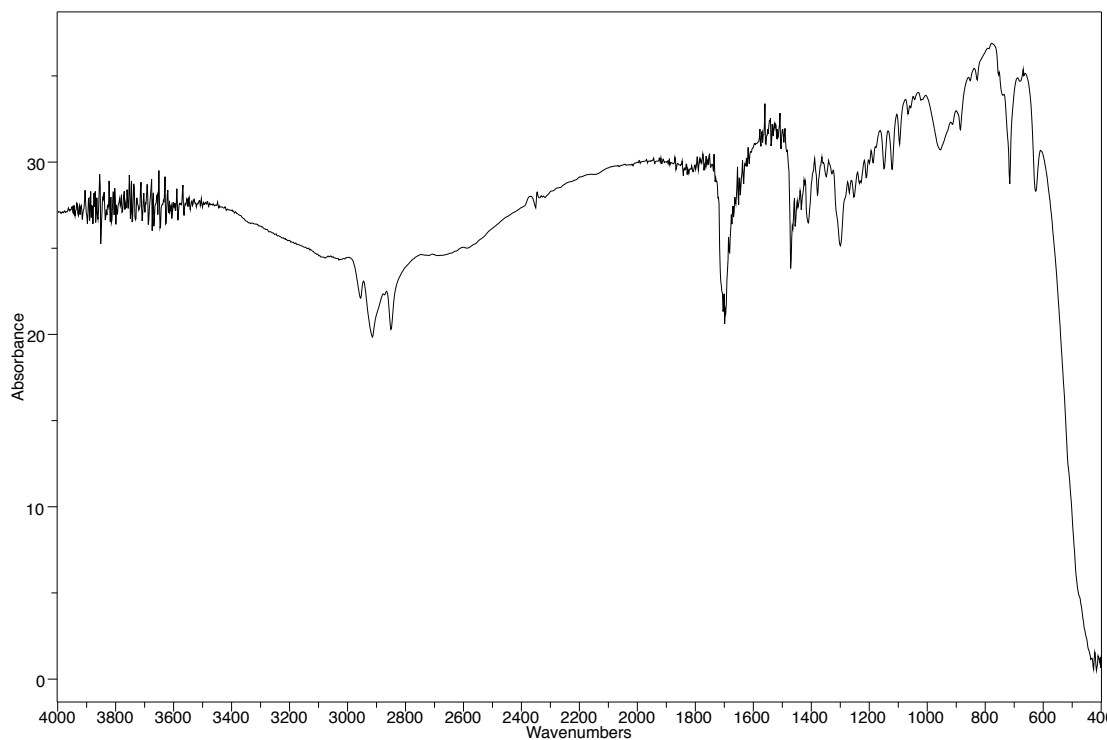


Figure A5.5 Infrared spectrum (Thin Film, NaCl) of compound **128o**.

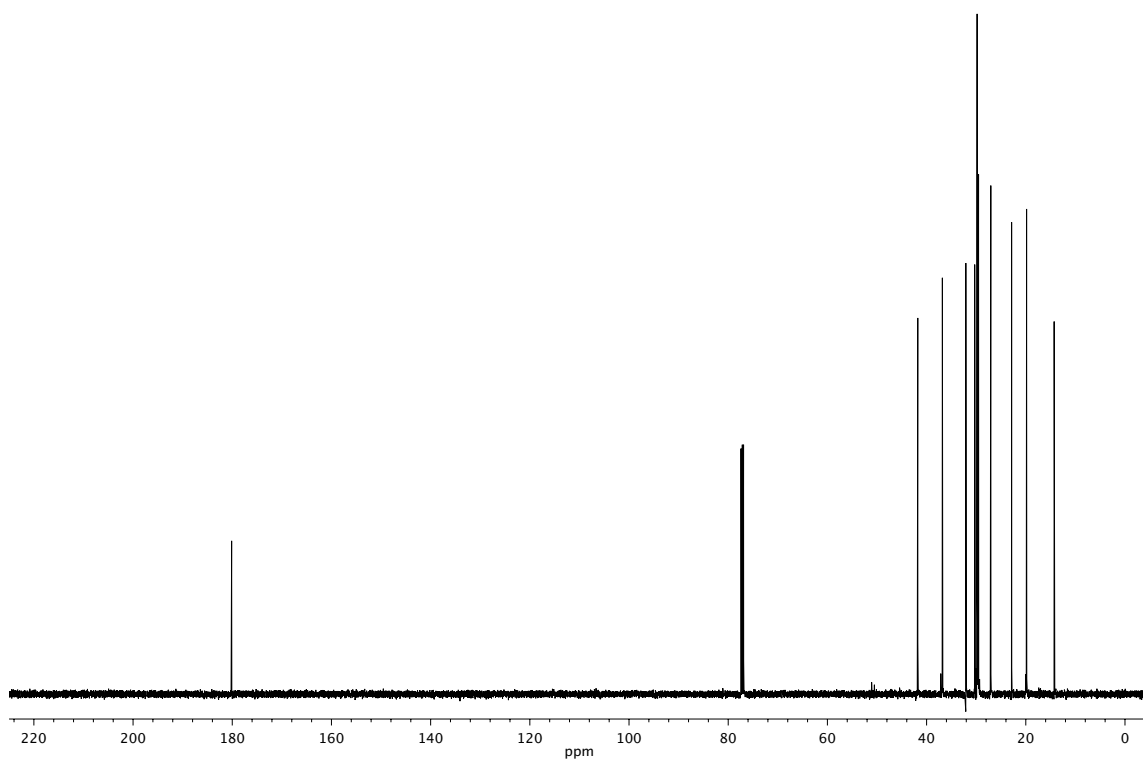


Figure A5.6 ¹³C NMR (126 MHz, CDCl₃) of compound **128o**.

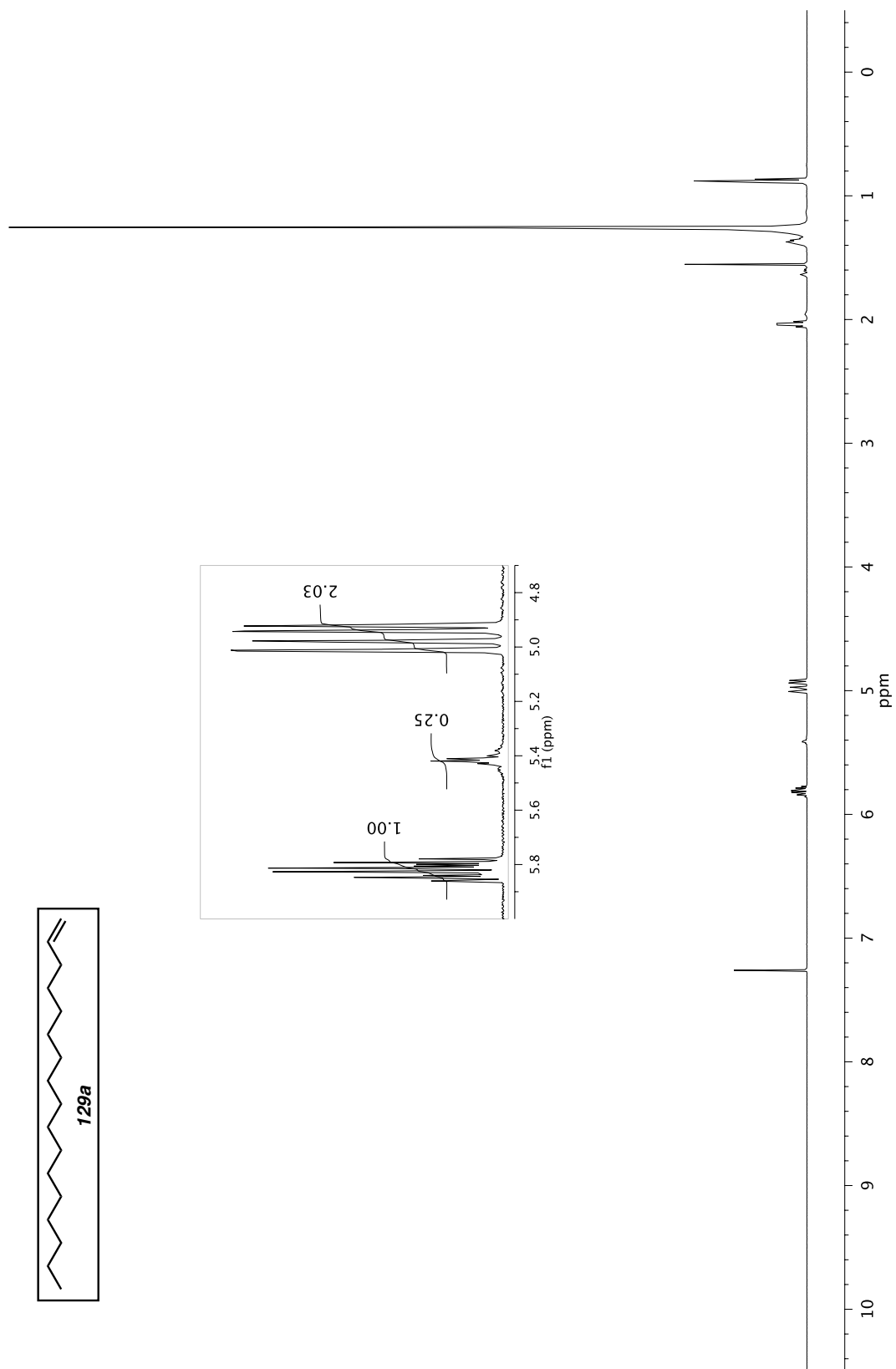


Figure A5.7 ^1H NMR (500 MHz, CDCl_3) of compound **129a**.

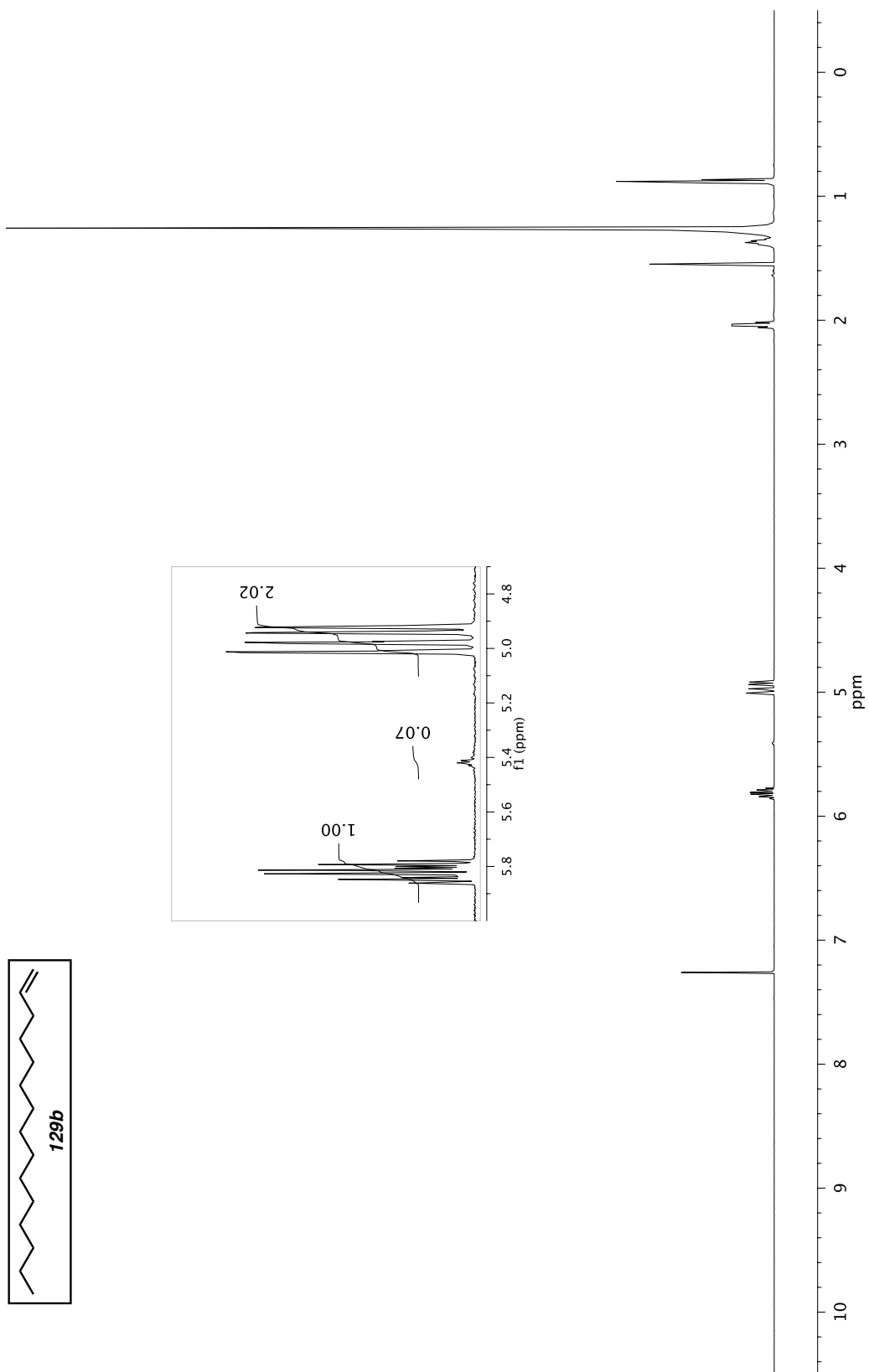


Figure A5.8 ^1H NMR (500 MHz, CDCl_3) of compound **129b**.

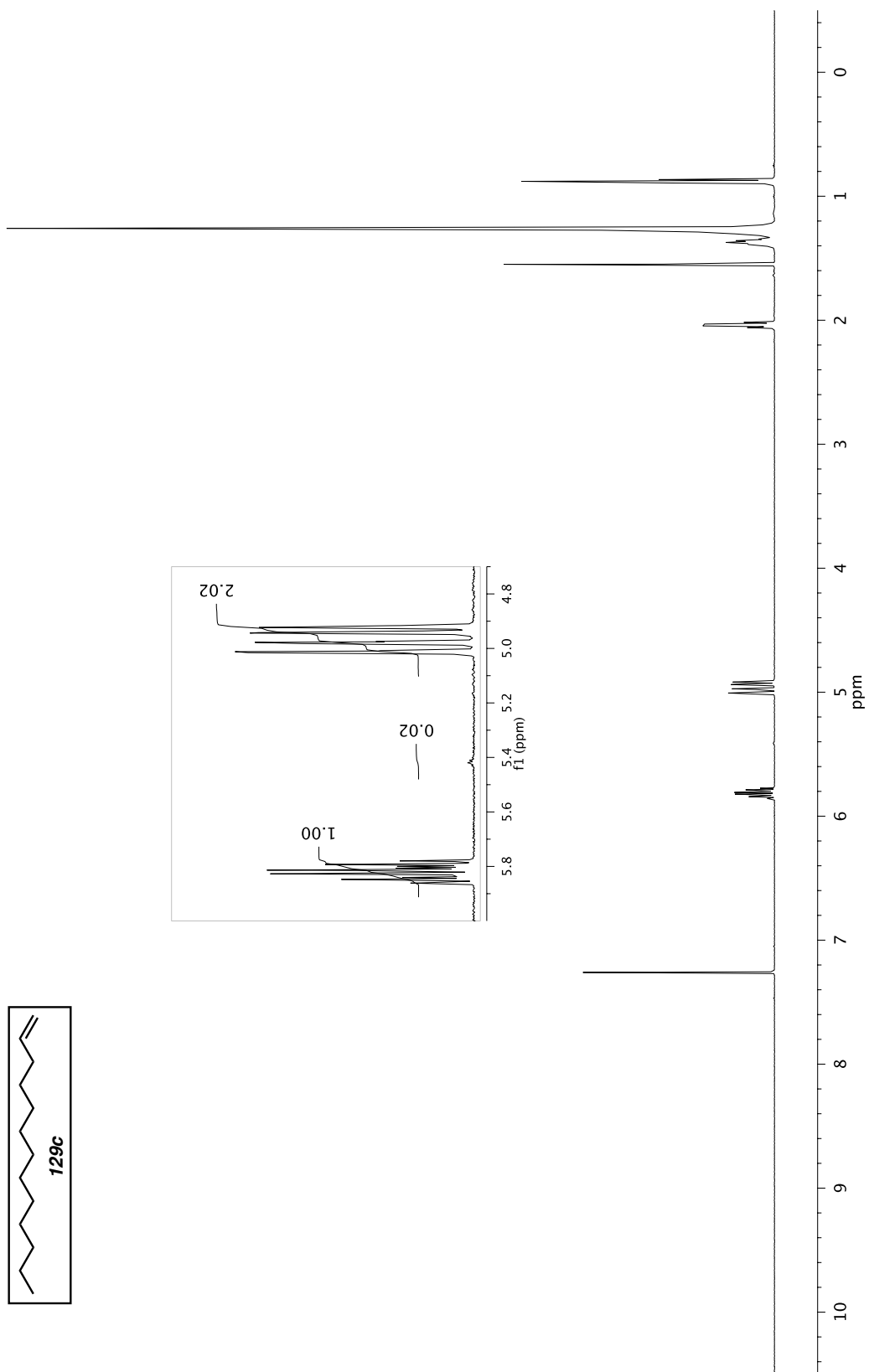


Figure A5.9 ^1H NMR (500 MHz, CDCl_3) of compound **129c**.

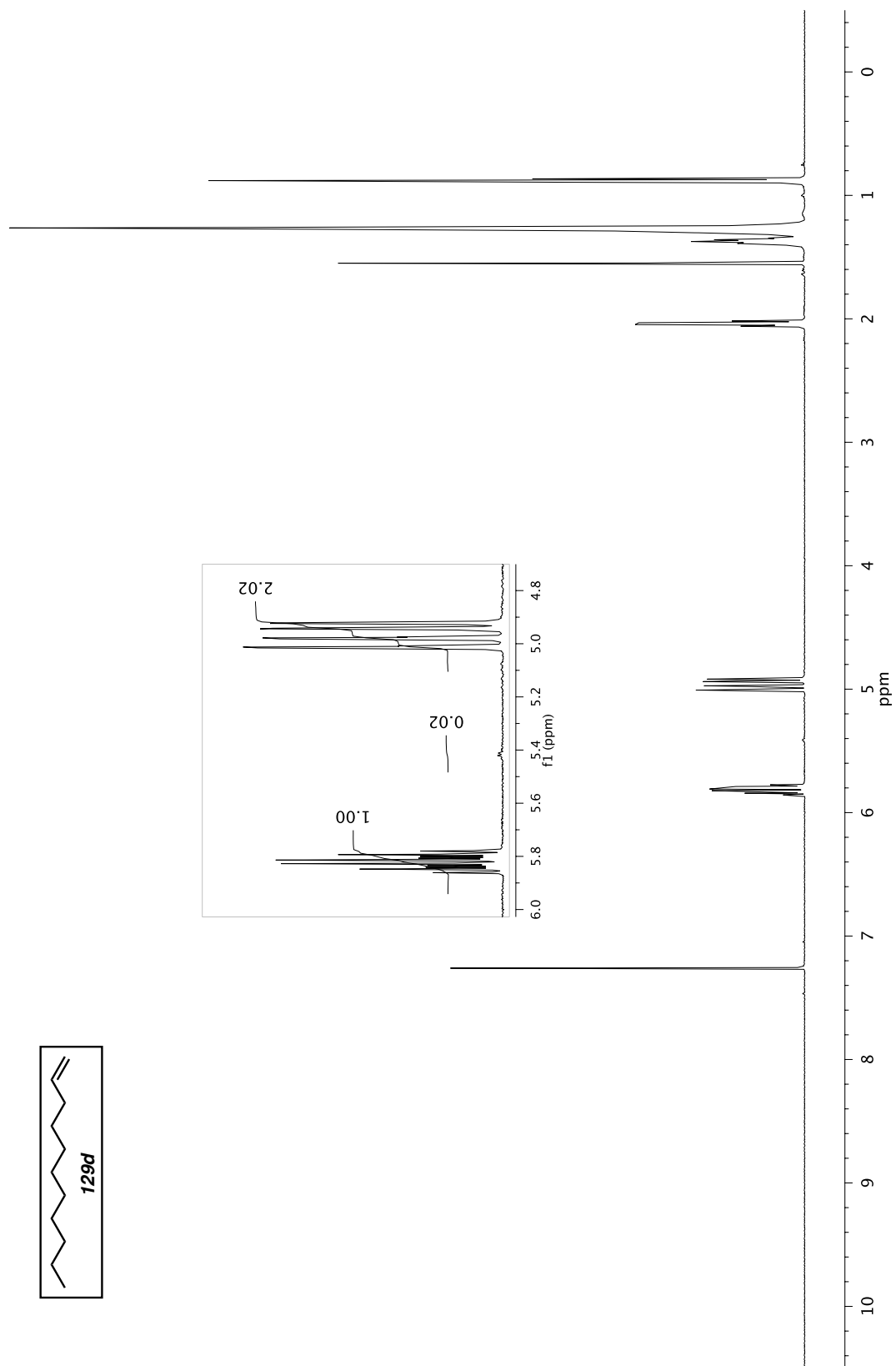


Figure A5.10 ^1H NMR (500 MHz, CDCl_3) of compound **129d**.

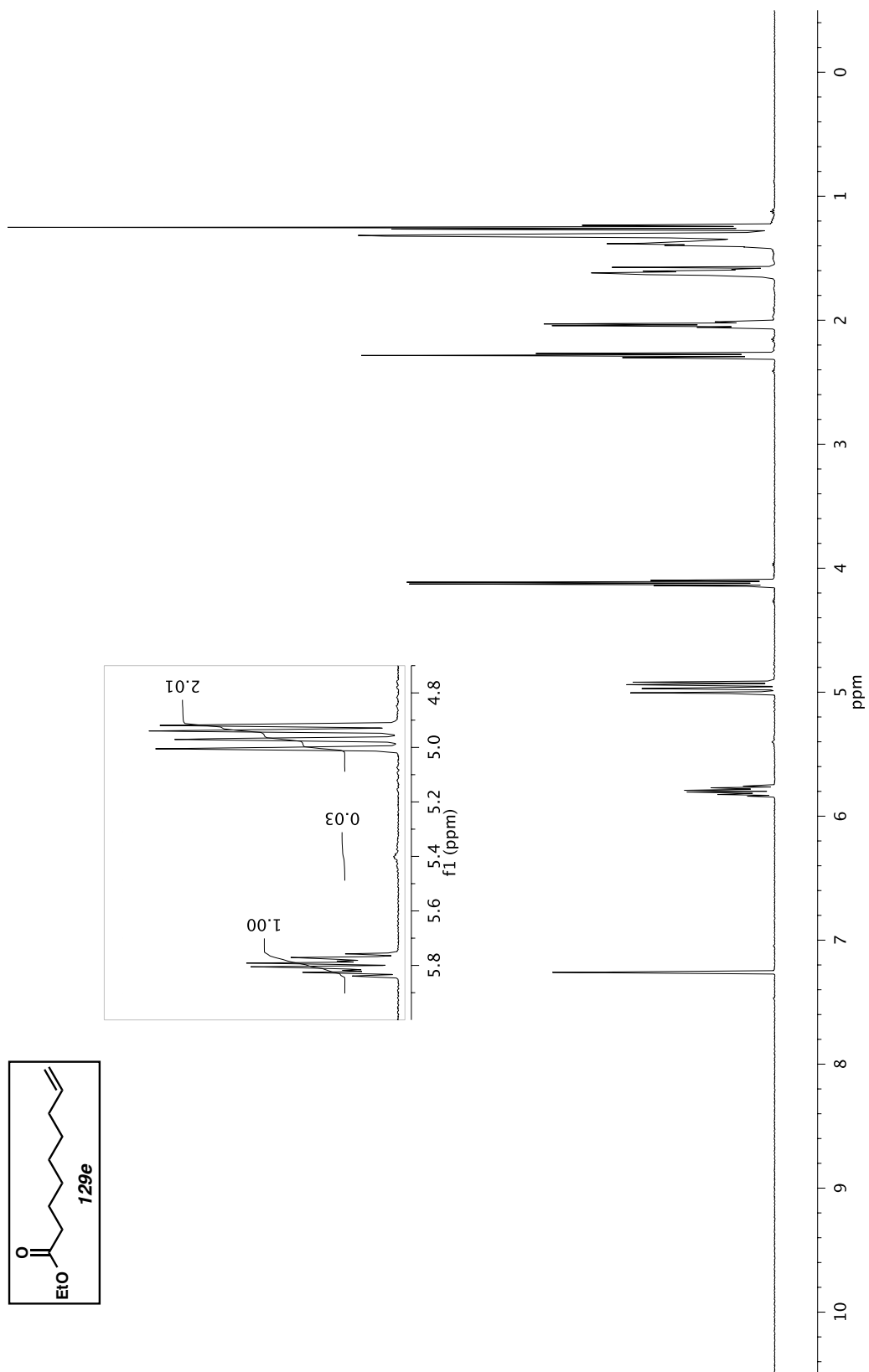


Figure A5.11 ^1H NMR (500 MHz, CDCl_3) of compound **129e**.

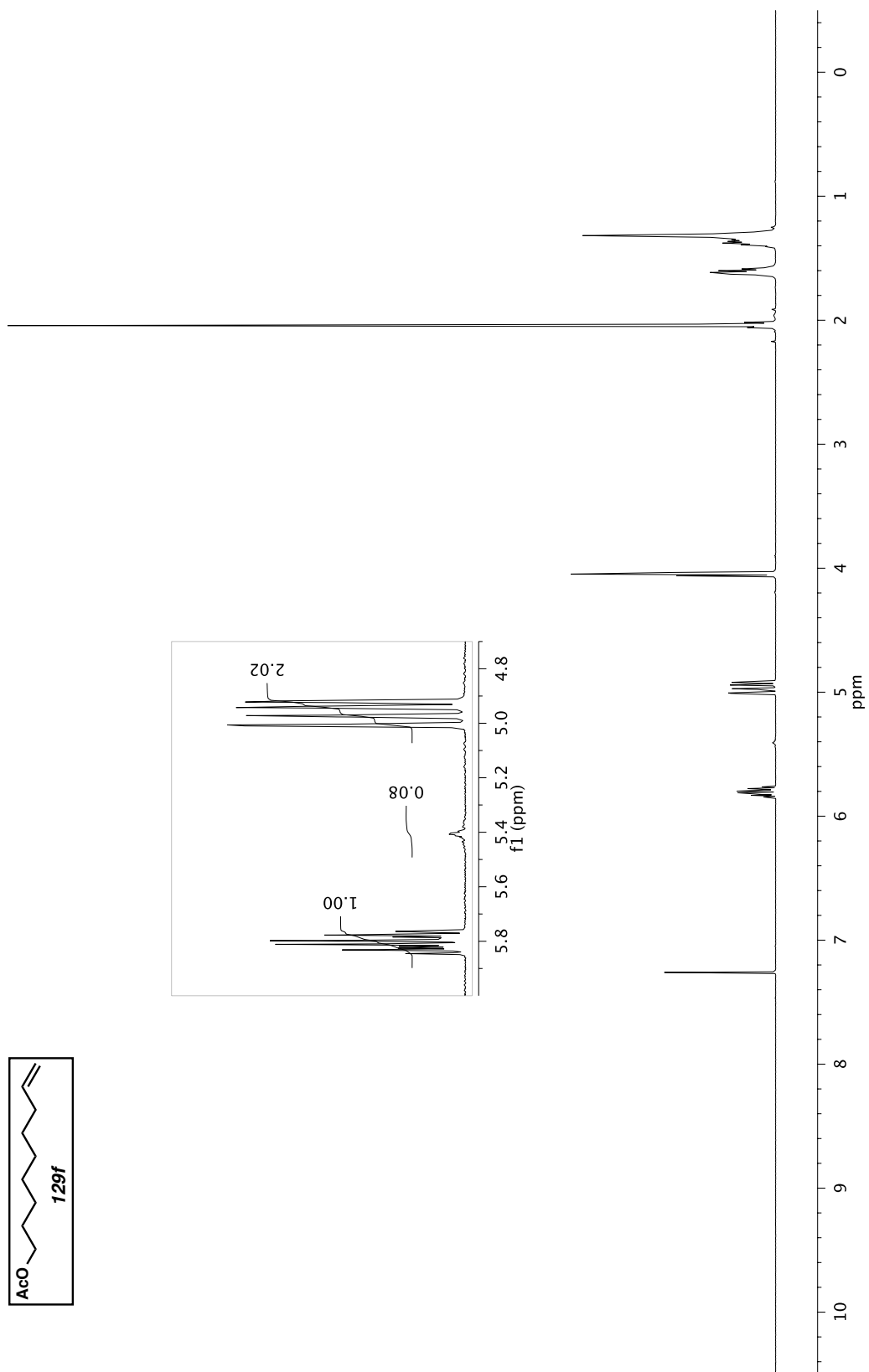


Figure A5.12 ^1H NMR (500 MHz, CDCl_3) of compound **129f**.

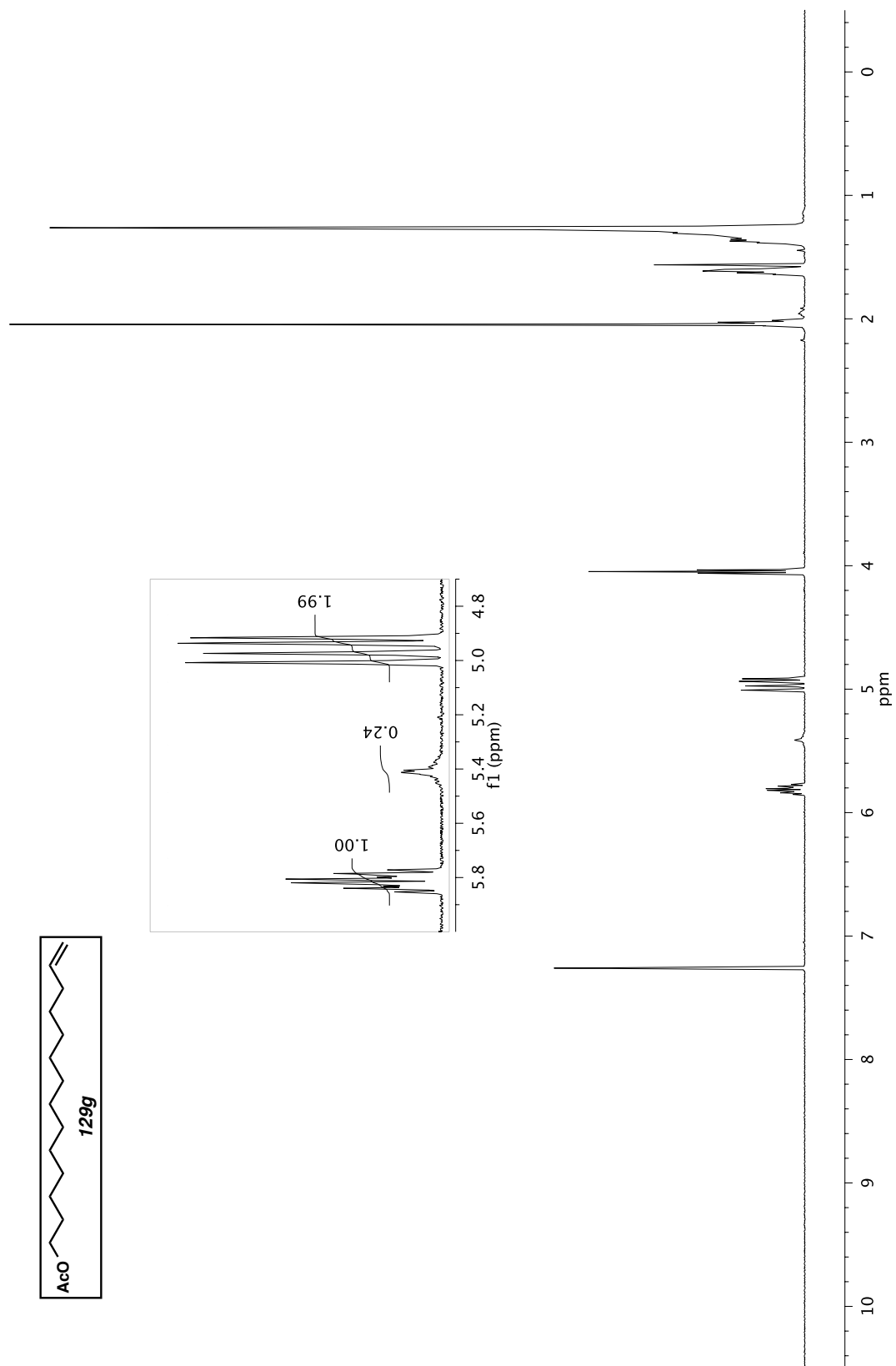


Figure A5.13 ^1H NMR (500 MHz, CDCl_3) of compound **129g**.

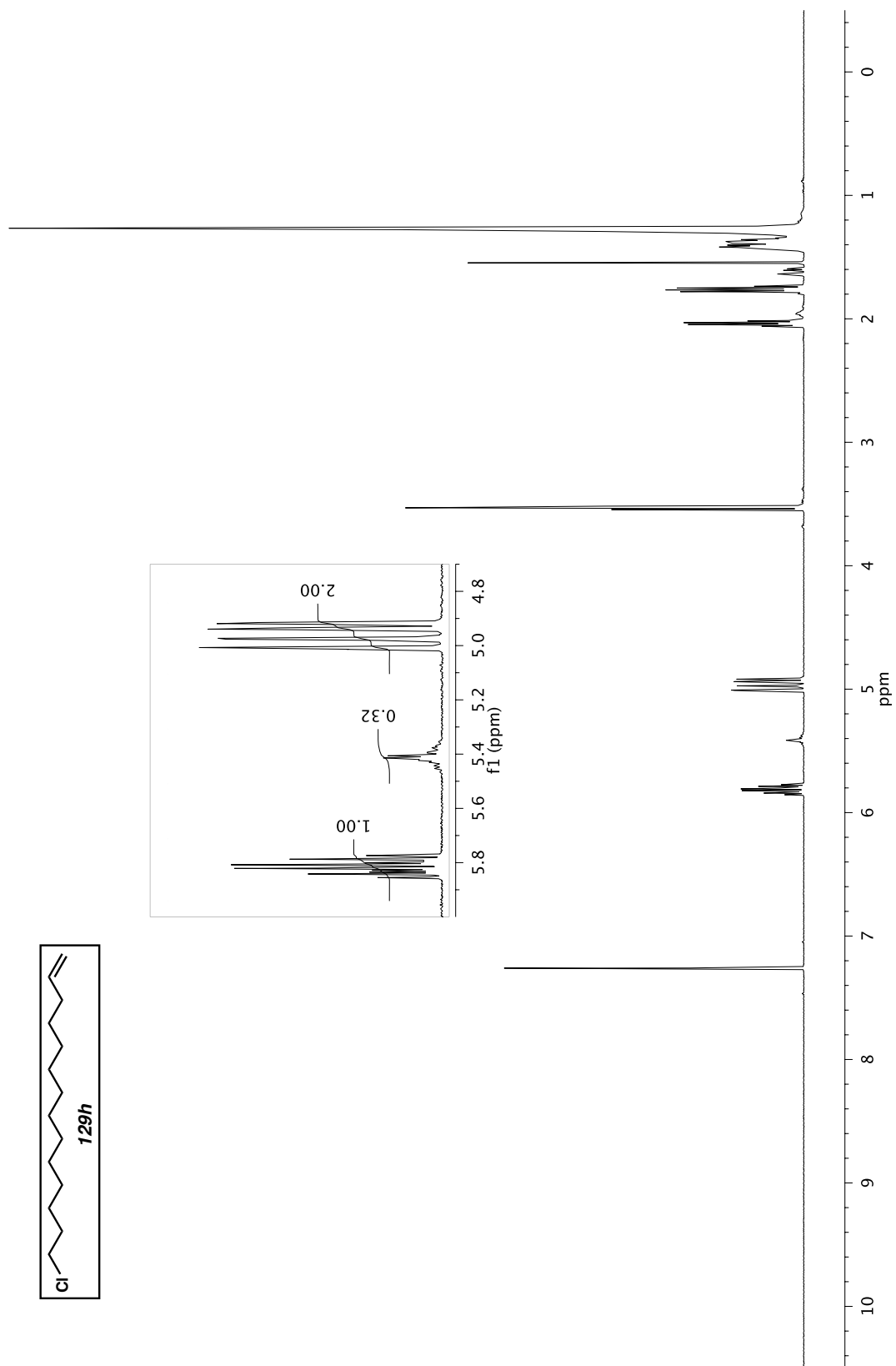


Figure A5.14 ^1H NMR (500 MHz, CDCl_3) of compound **129h**.

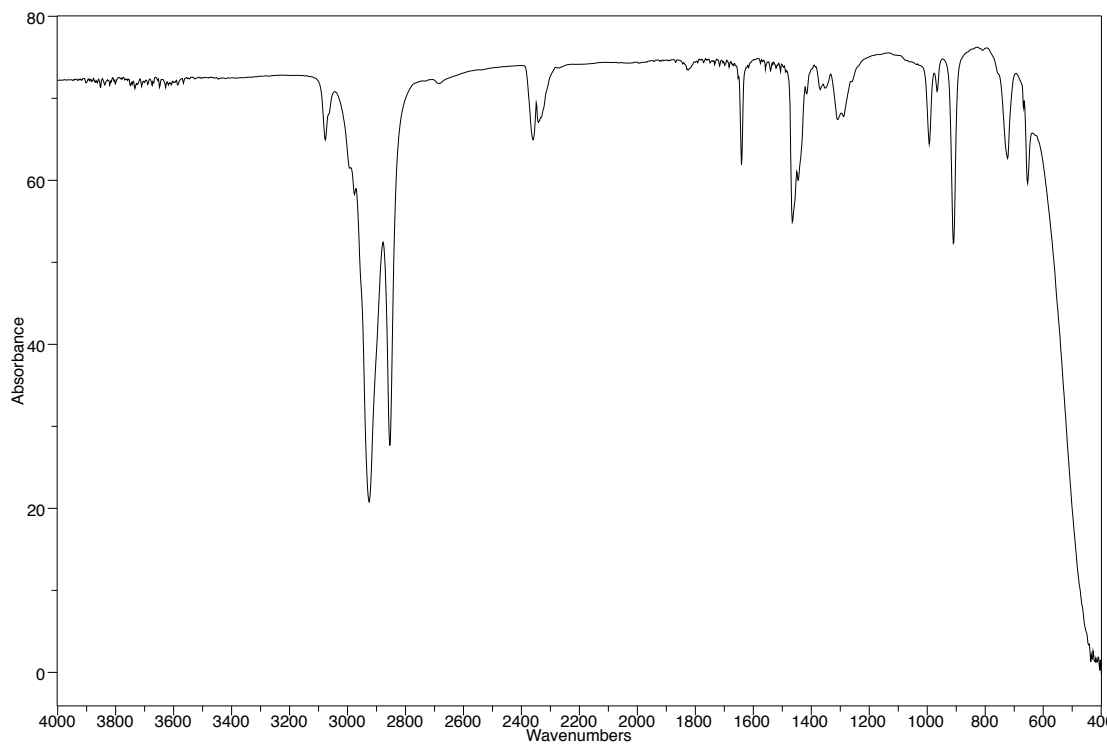


Figure A5.15 Infrared spectrum (Thin Film, NaCl) of compound **129h**.

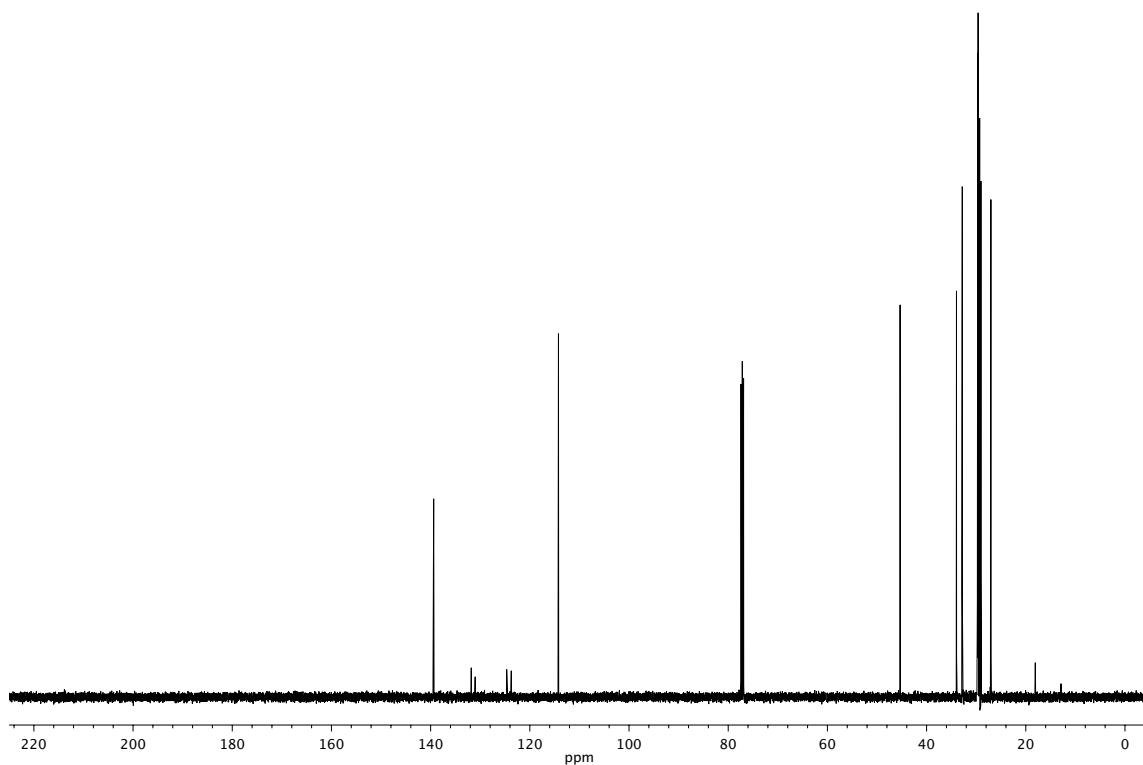
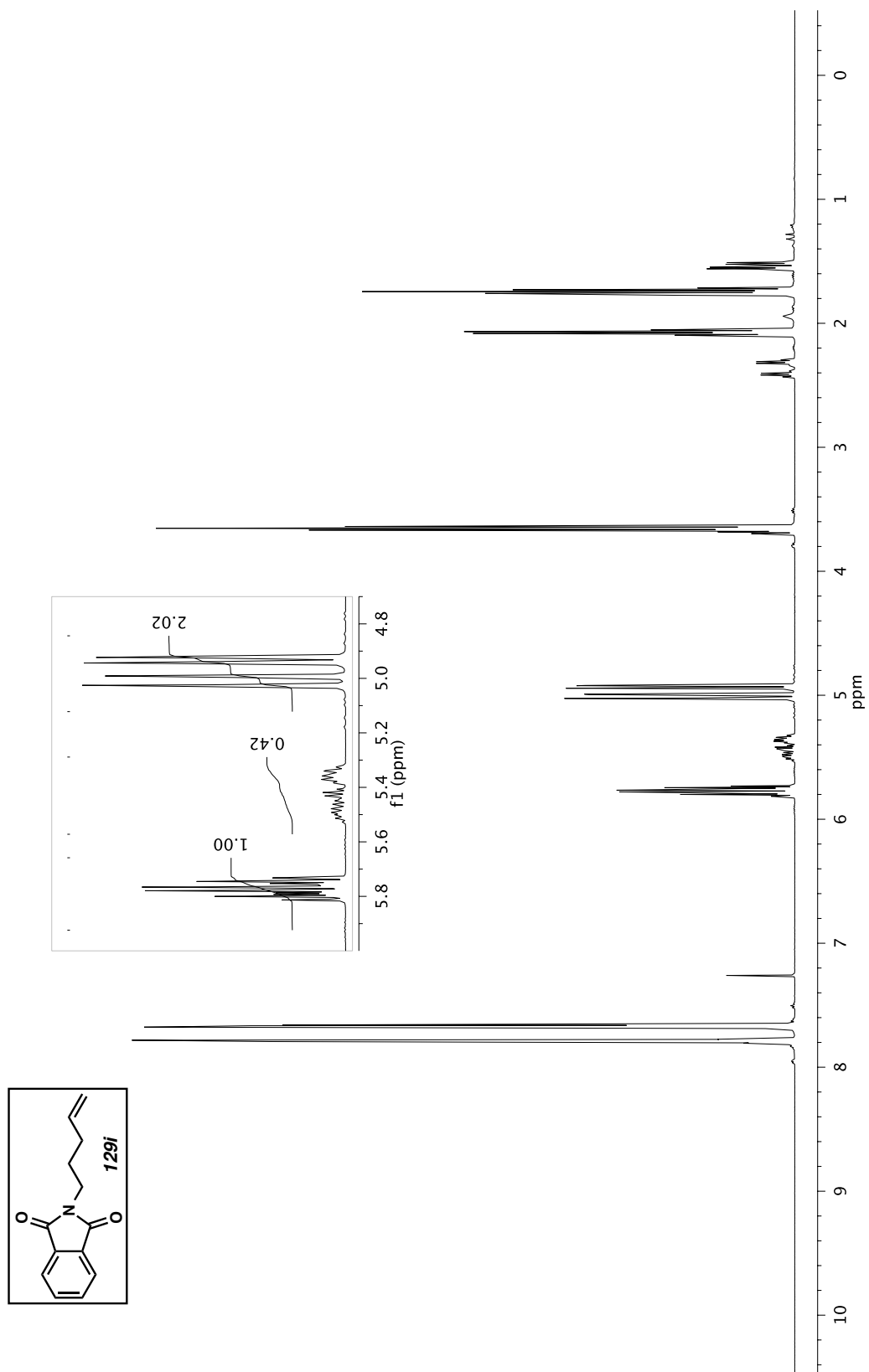


Figure A5.16 ¹³C NMR (126 MHz, CDCl₃) of compound **129h**.

Figure A5.17 ^1H NMR (500 MHz, CDCl_3) of compound **129i**.

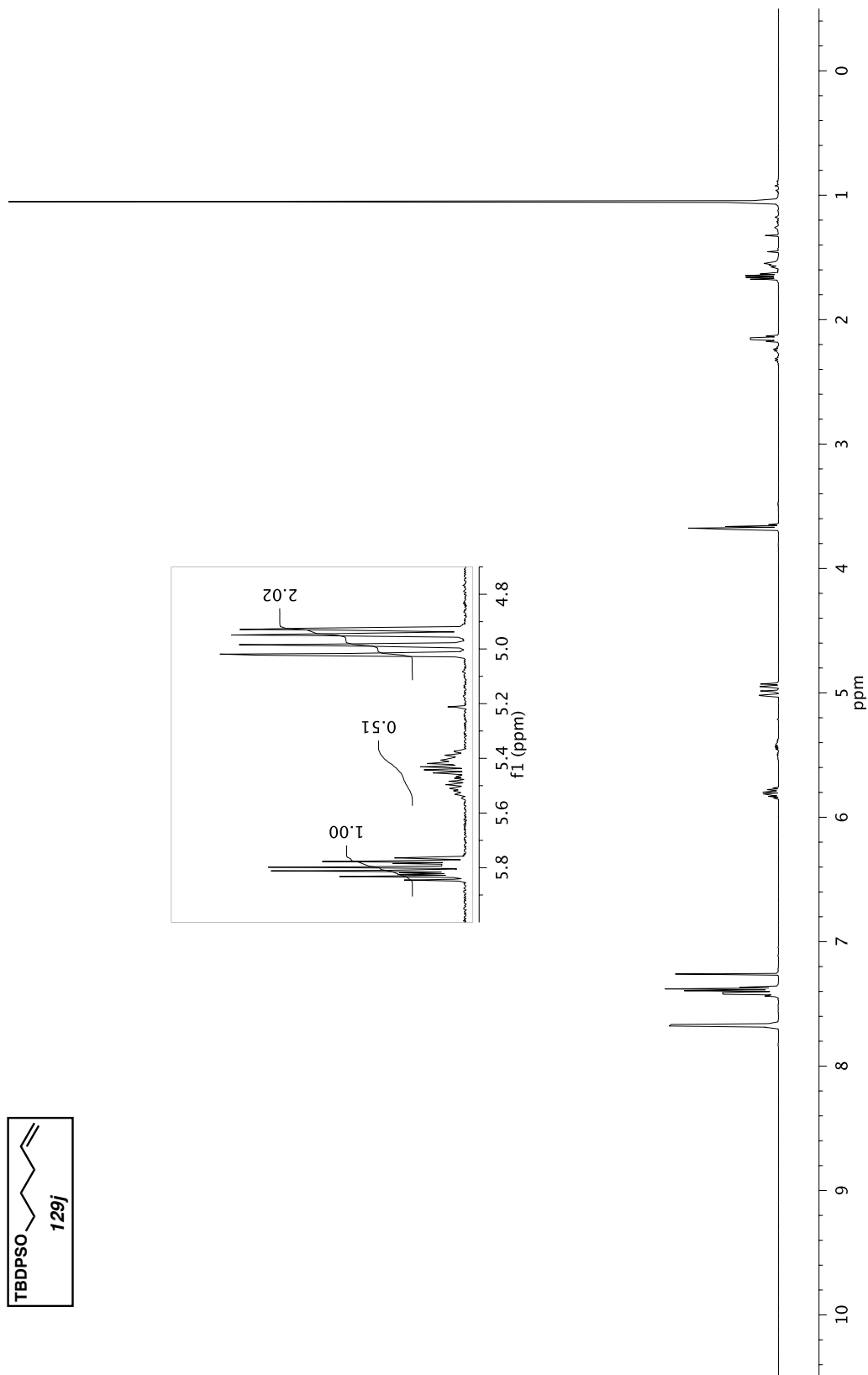
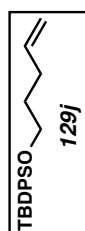


Figure A5.18 ^1H NMR (500 MHz, CDCl_3) of compound 129j.

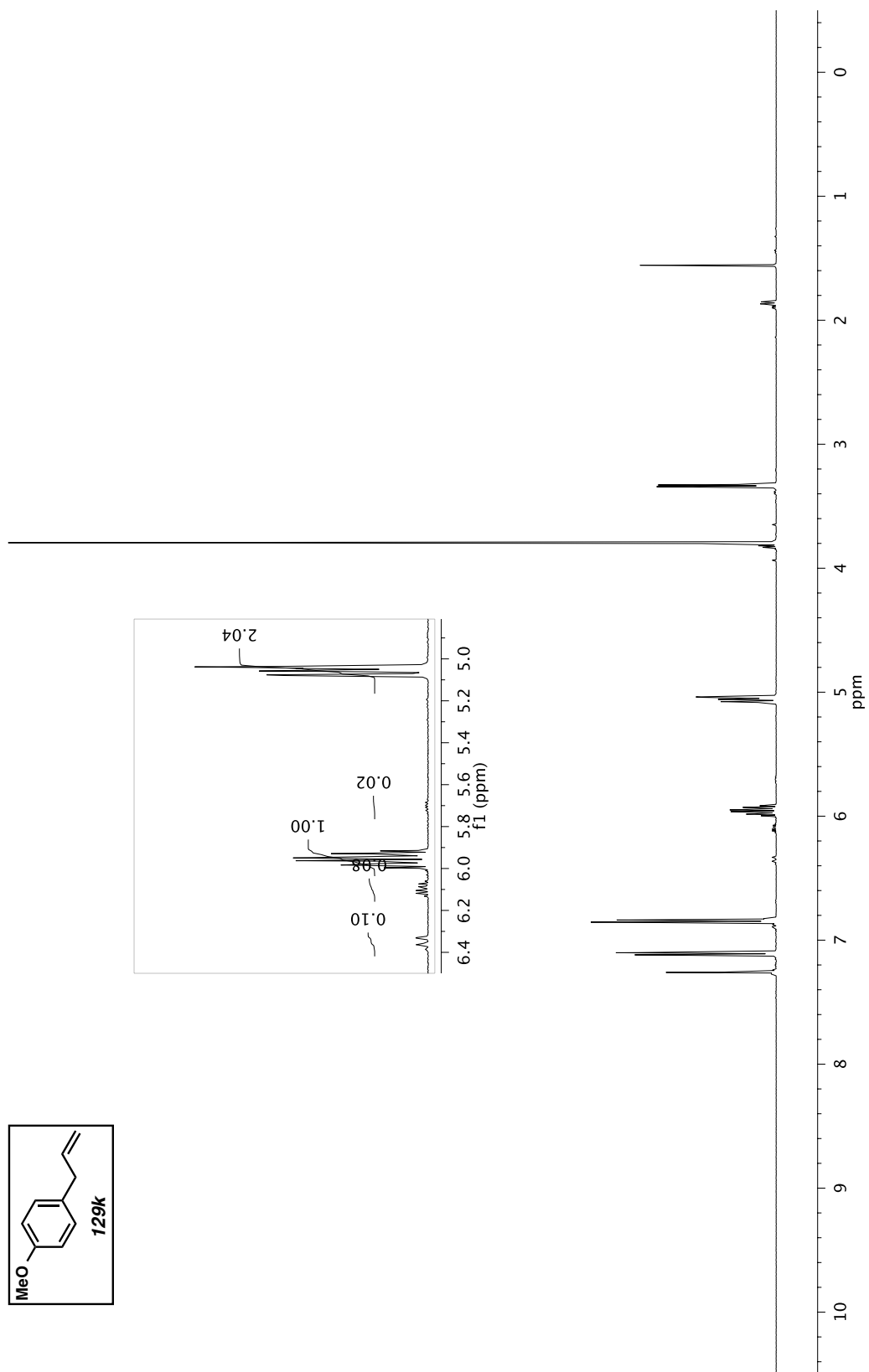


Figure A5.19 ^1H NMR (500 MHz, CDCl_3) of compound **129k**.

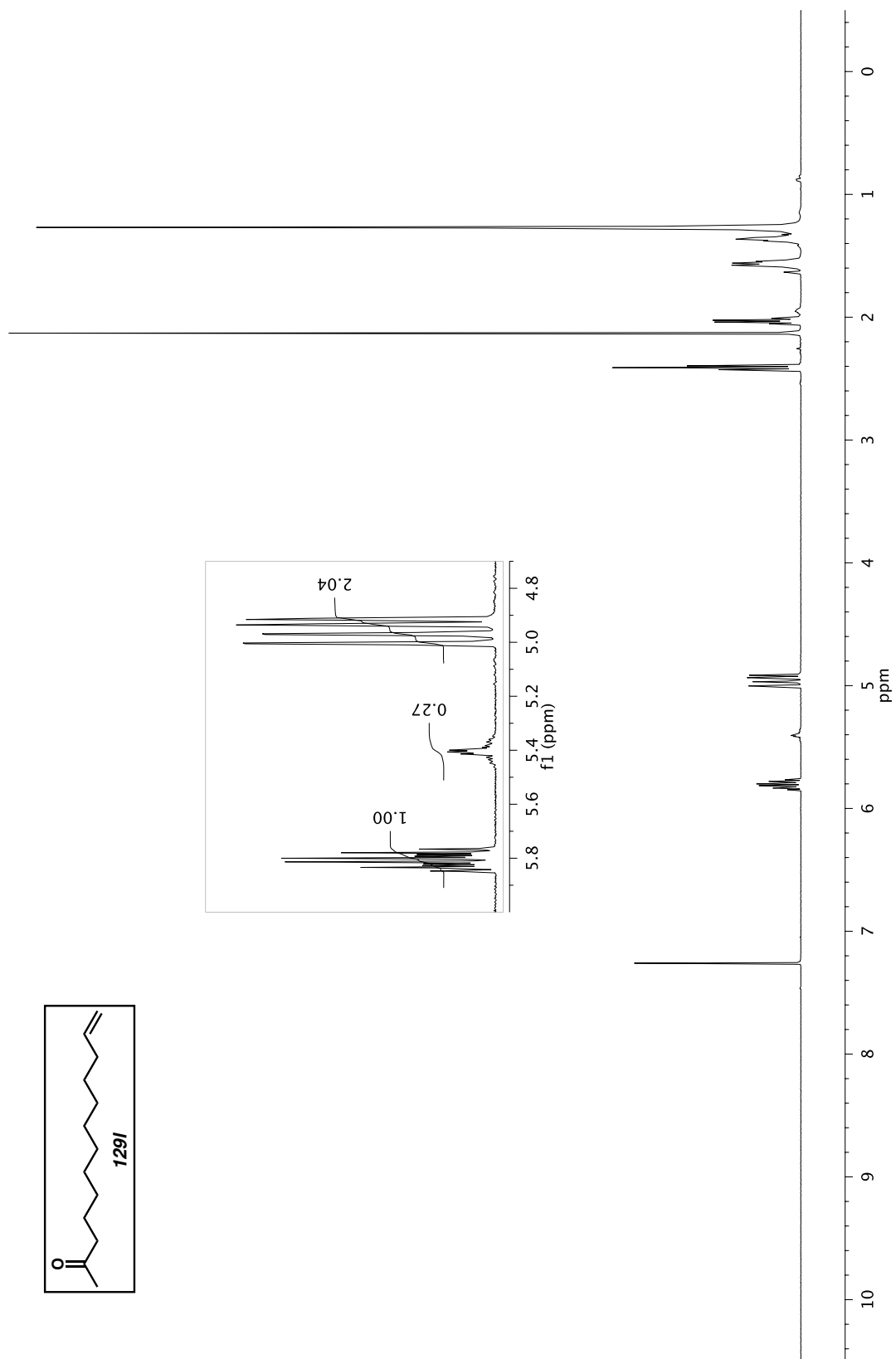


Figure A5.20 ^1H NMR (500 MHz, CDCl_3) of compound **129I**.

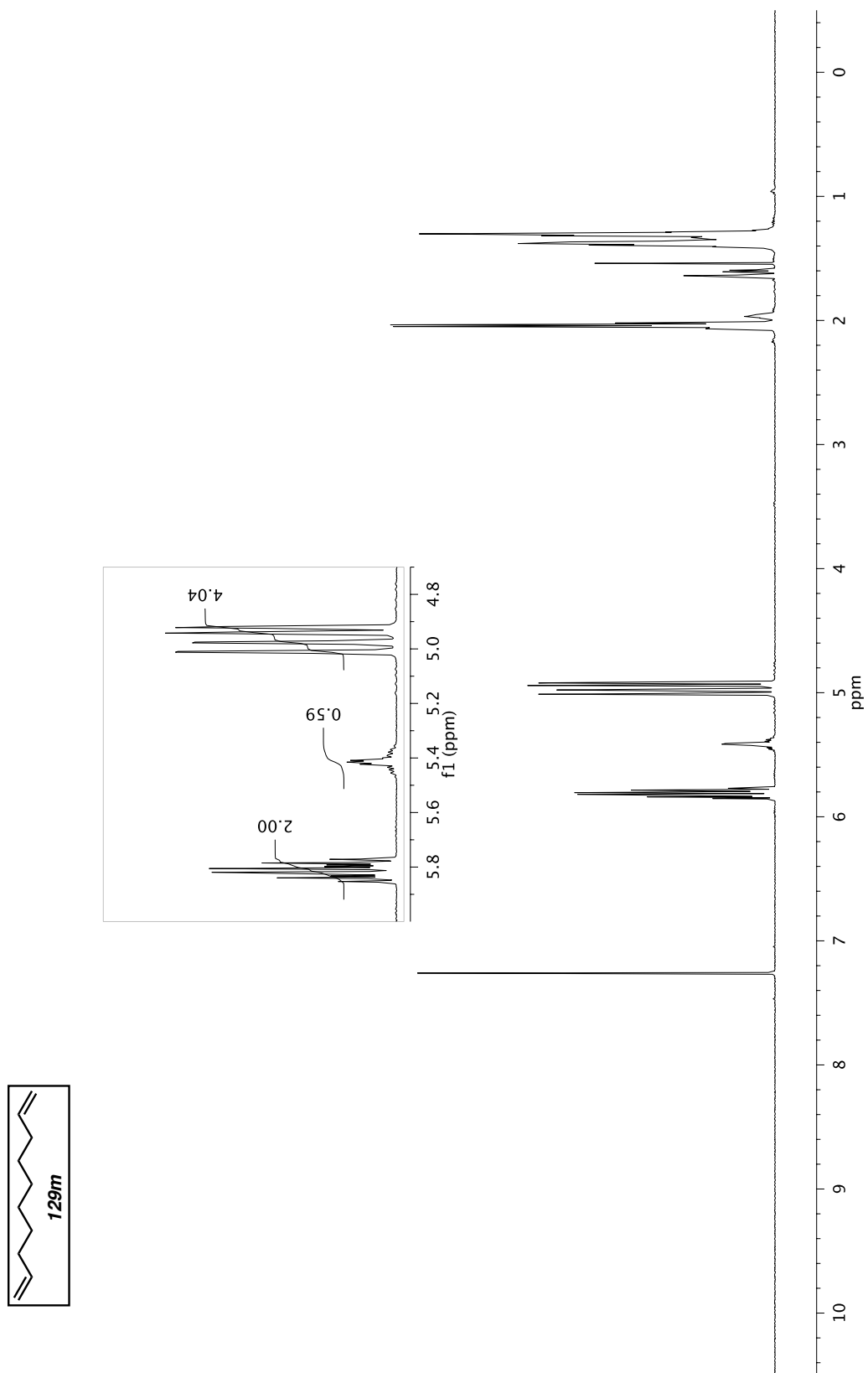


Figure A5.21 ^1H NMR (500 MHz, CDCl_3) of compound **129m**.

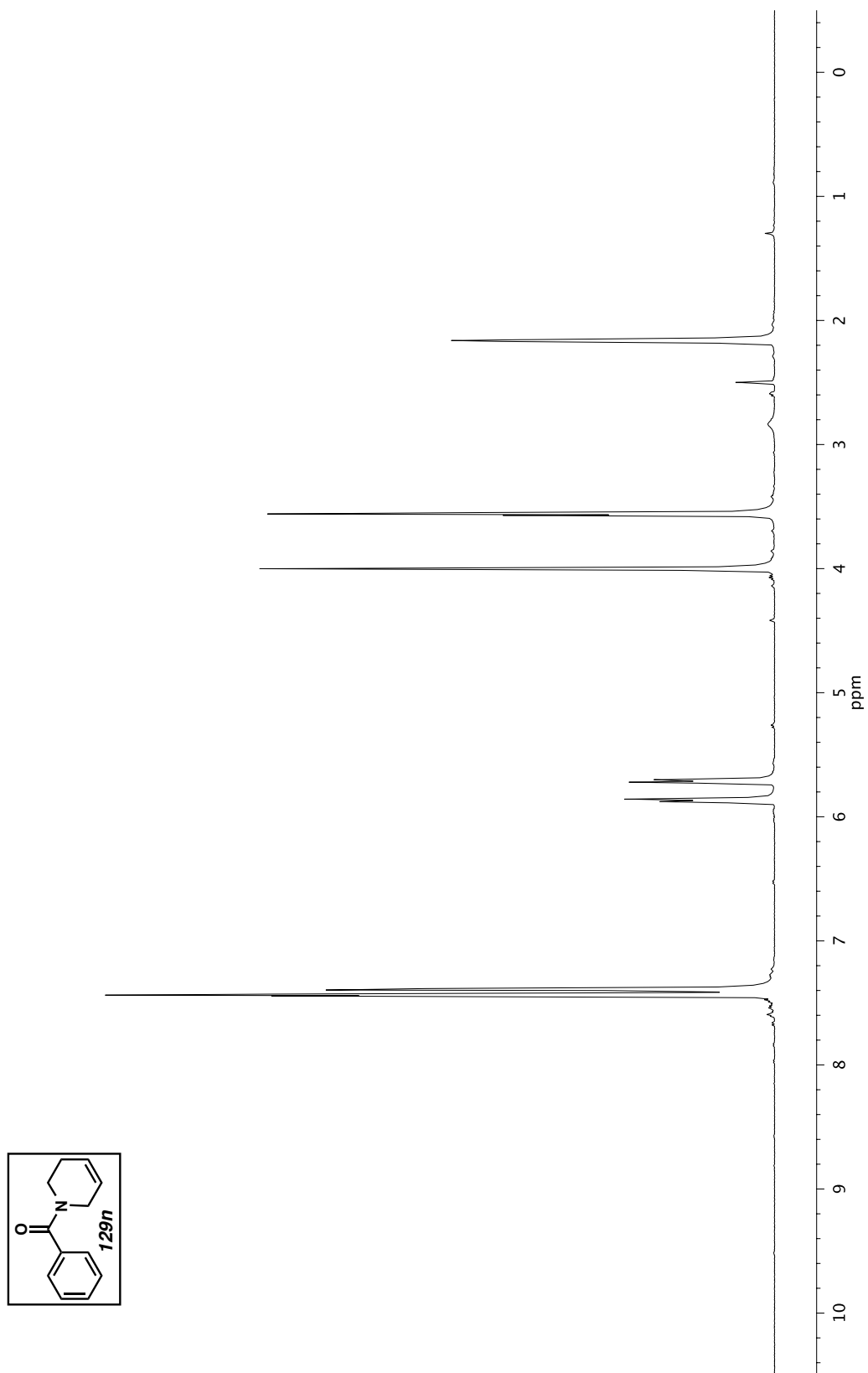


Figure A5.22 ^1H NMR (500 MHz, DMSO-d_6 , $130\text{ }^\circ\text{C}$) of compound **129n**.

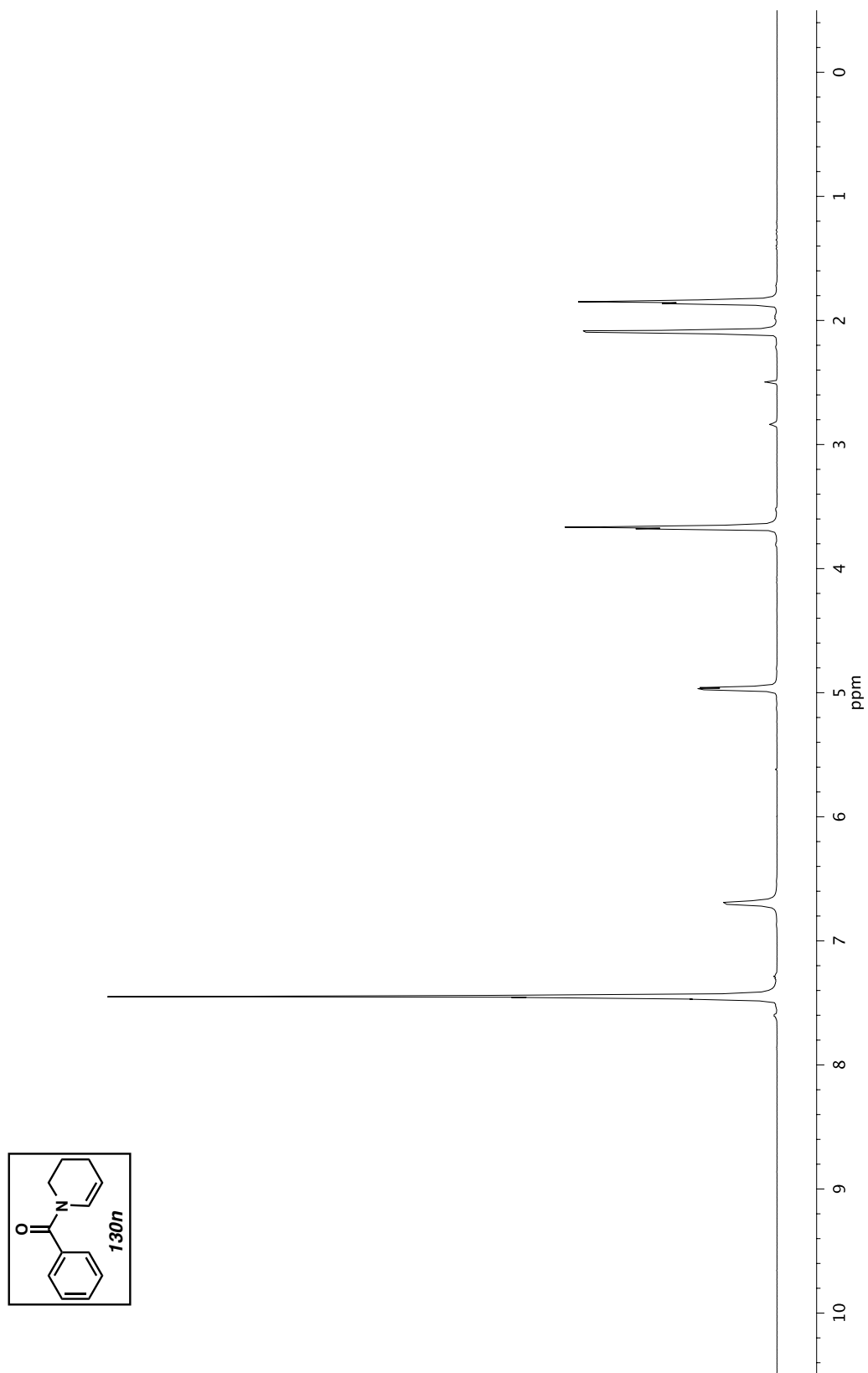


Figure A5.23 ^1H NMR (500 MHz, DMSO-d_6 , $130\text{ }^\circ\text{C}$) of compound **130n**.

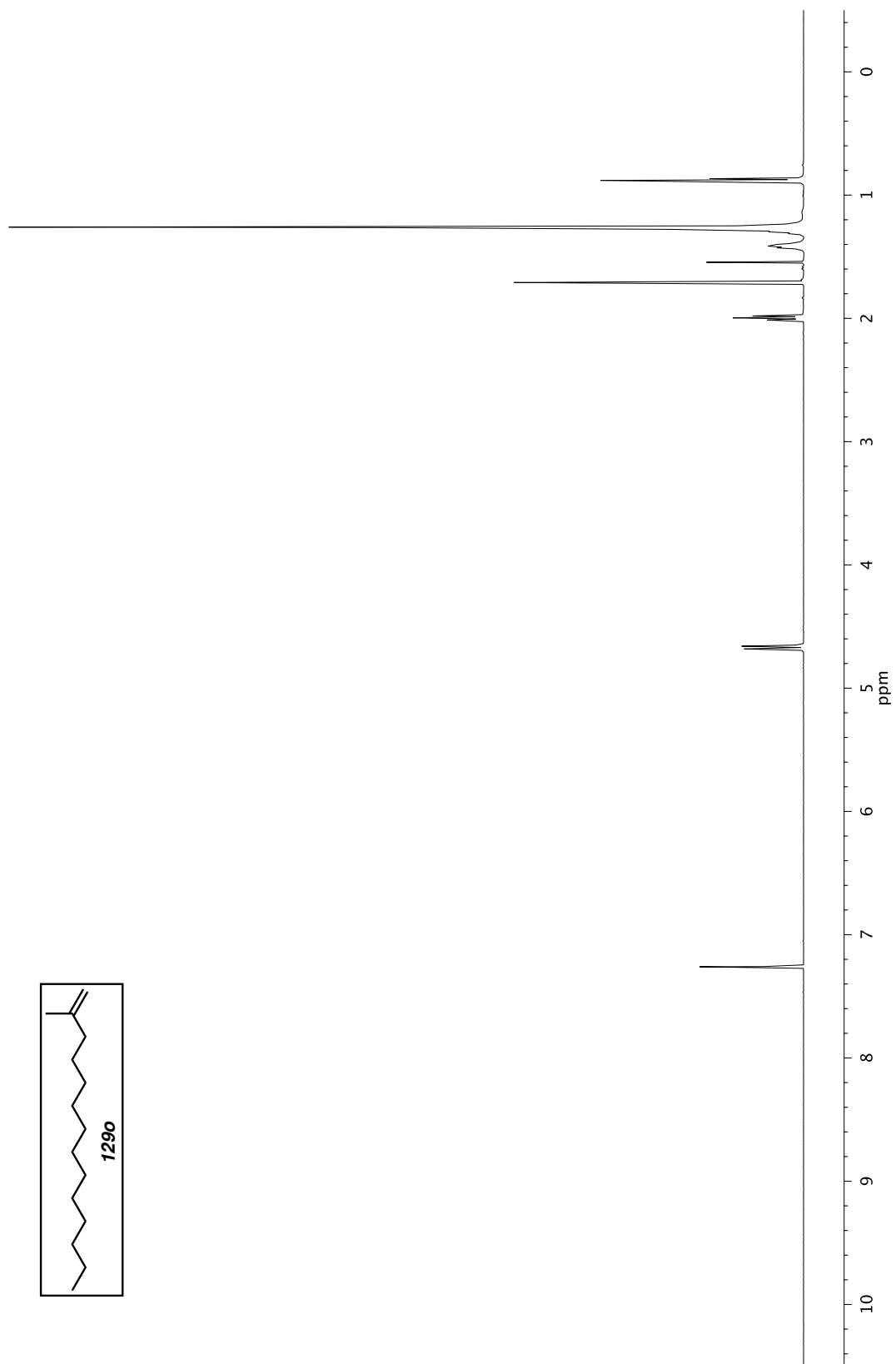


Figure A5.24 ^1H NMR (500 MHz, CDCl_3) of compound 1290.

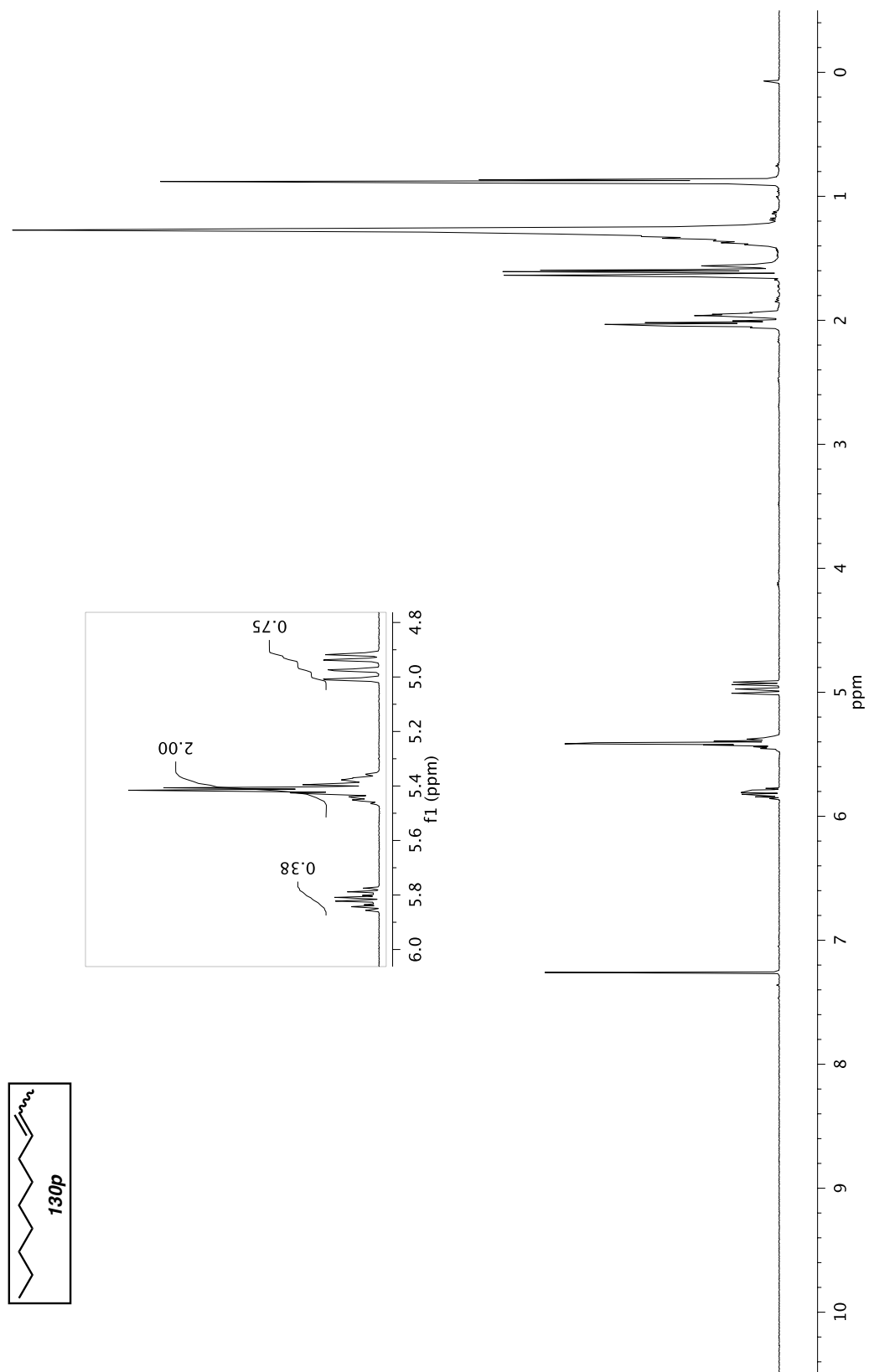


Figure A5.25 ^1H NMR (500 MHz, CDCl_3) of compound **130p**.

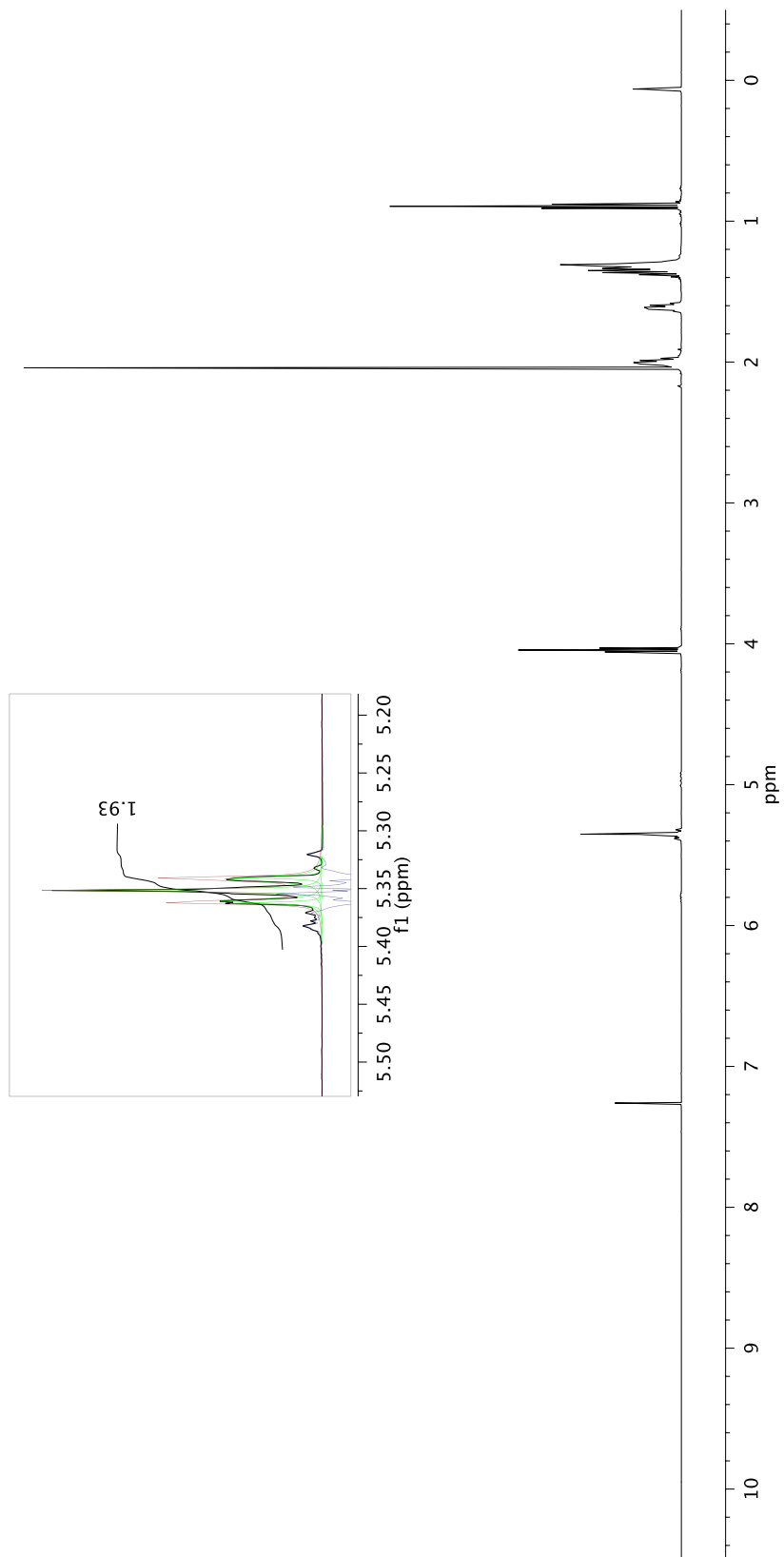
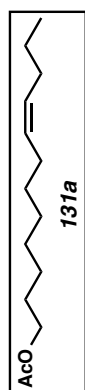


Figure A5.26 ^1H NMR (500 MHz, CDCl_3) of compound **131a**.

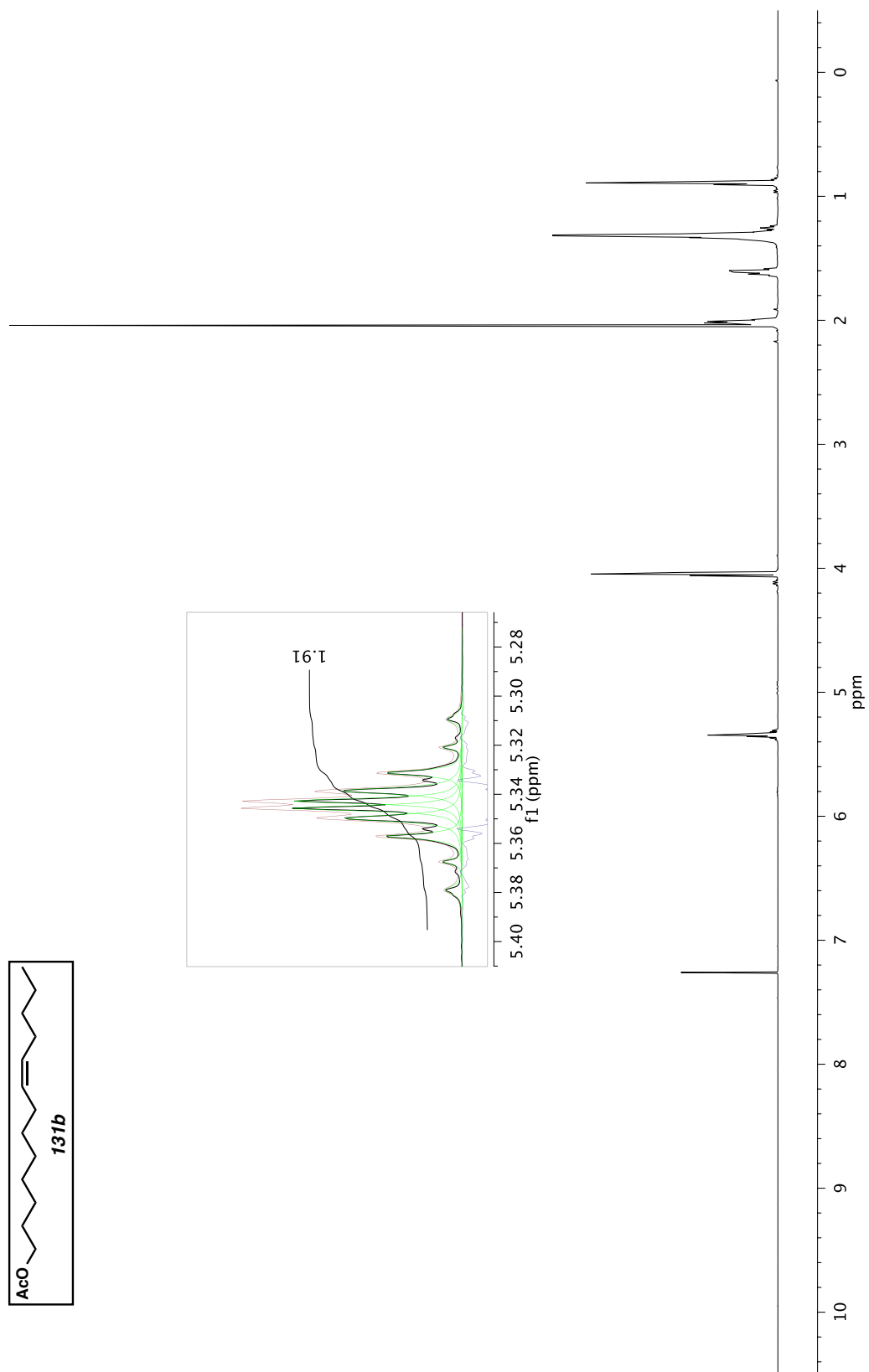


Figure A5.27 ^1H NMR (500 MHz, CDCl_3) of compound **131b**.