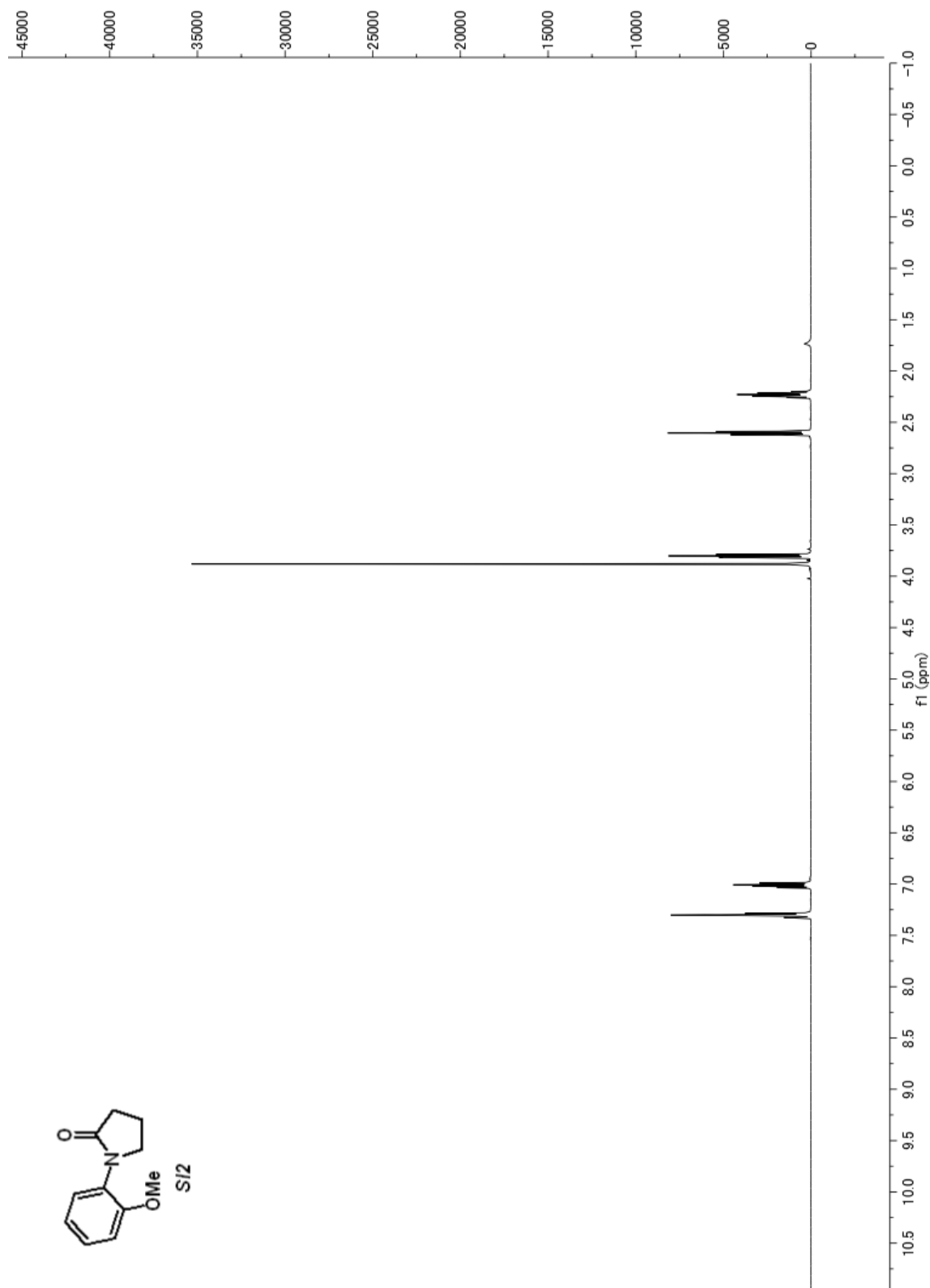
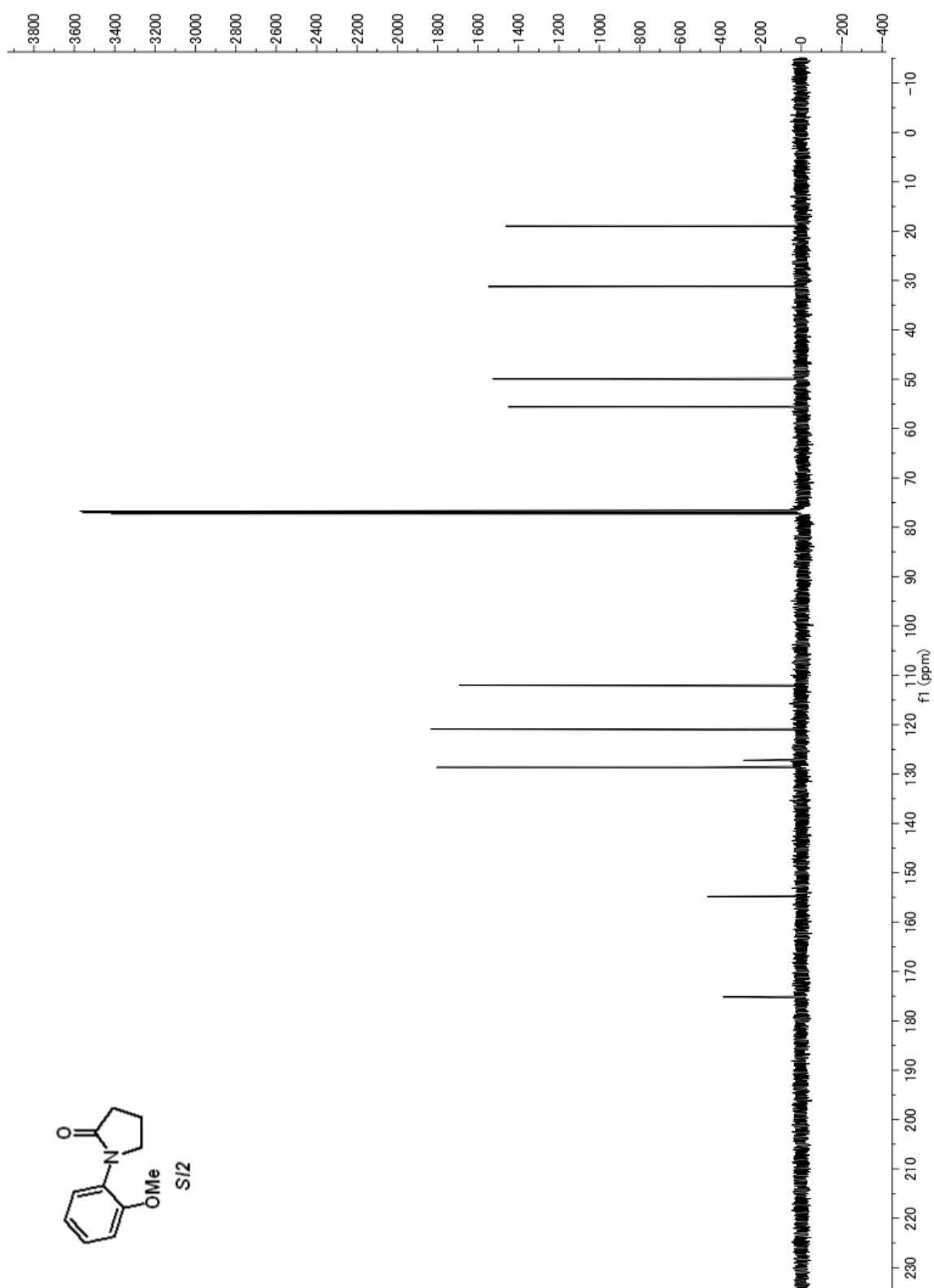
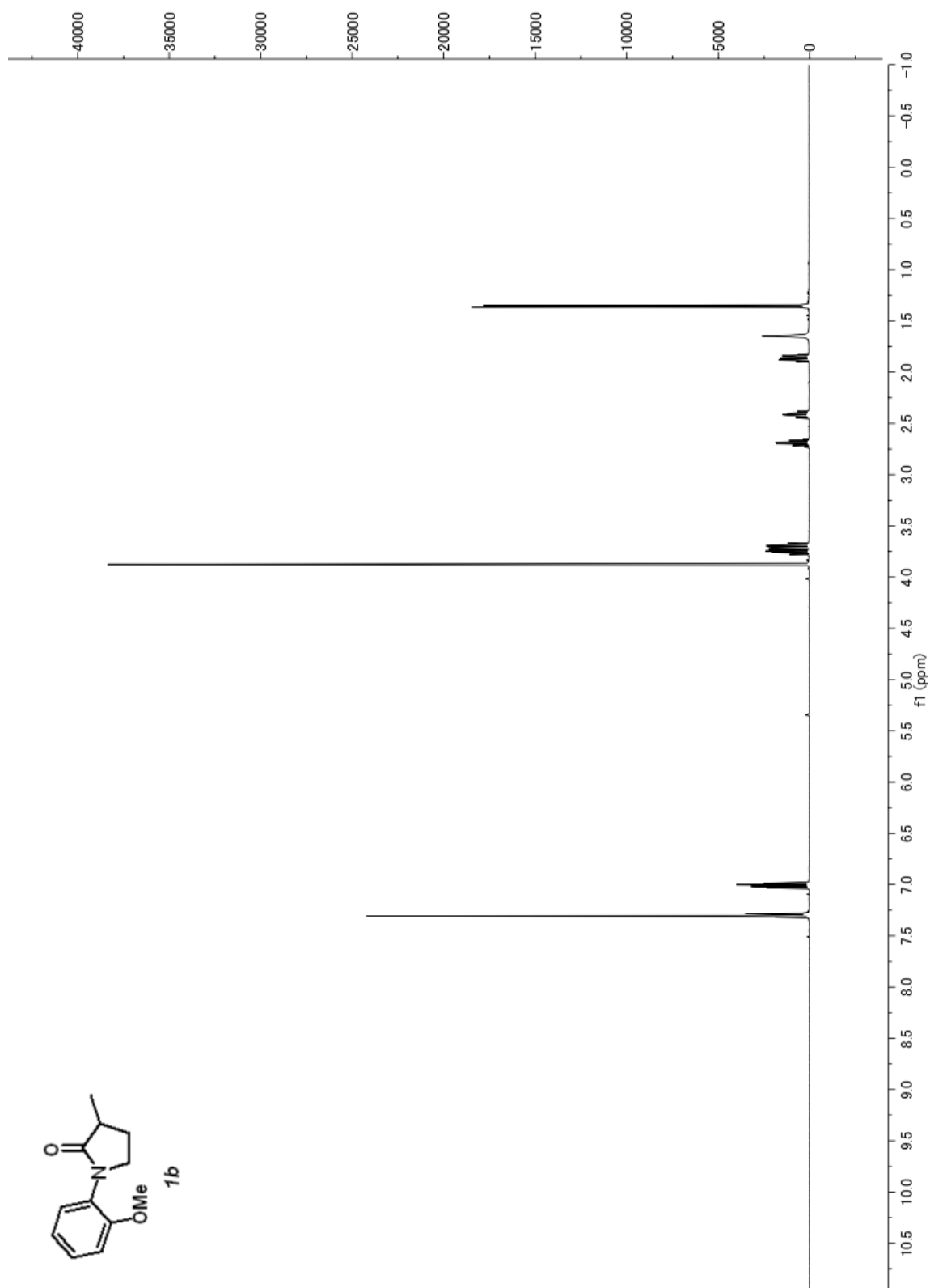




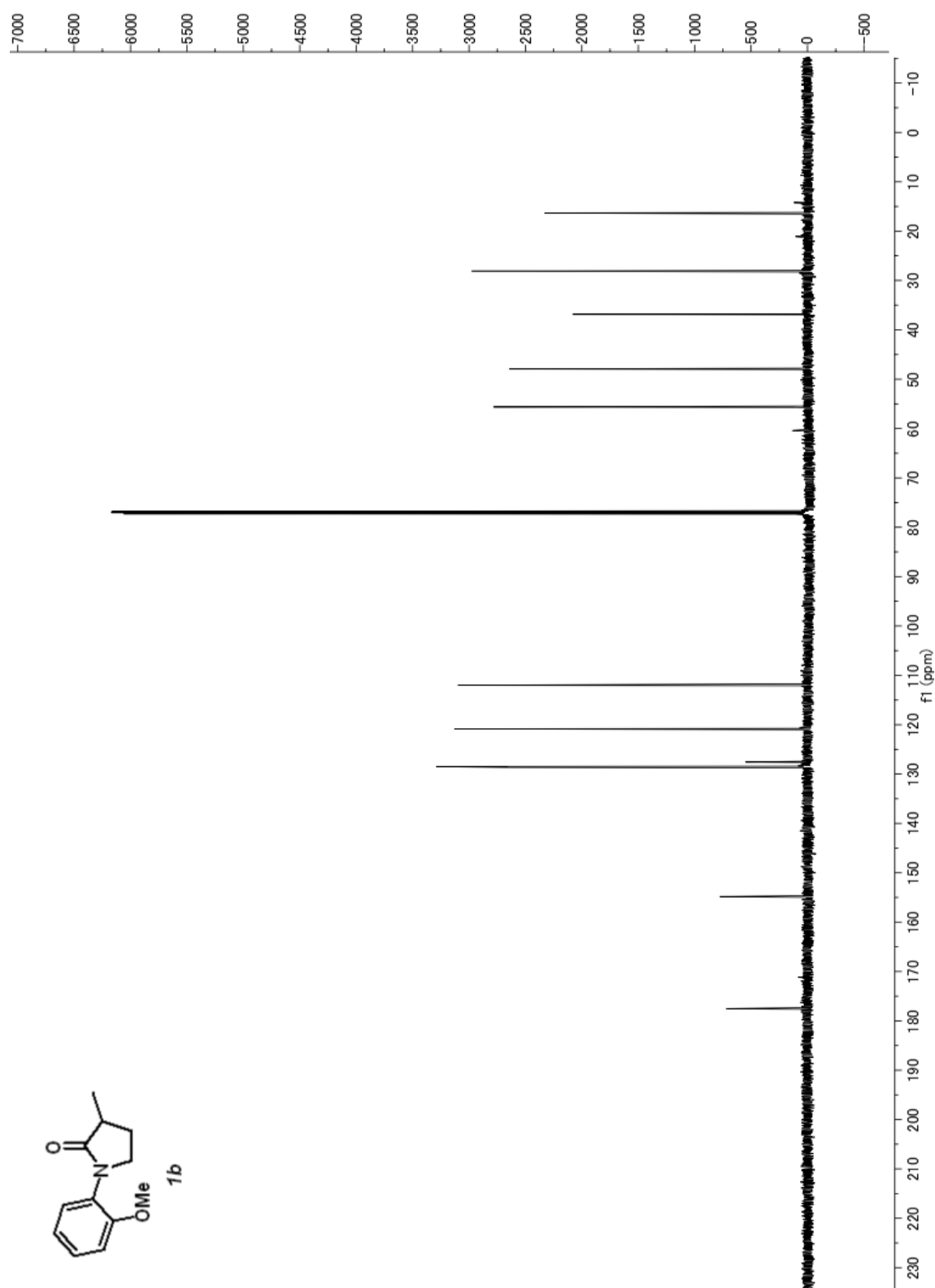
¹H NMR (500 MHz, CDCl₃) of compound **SI2**.



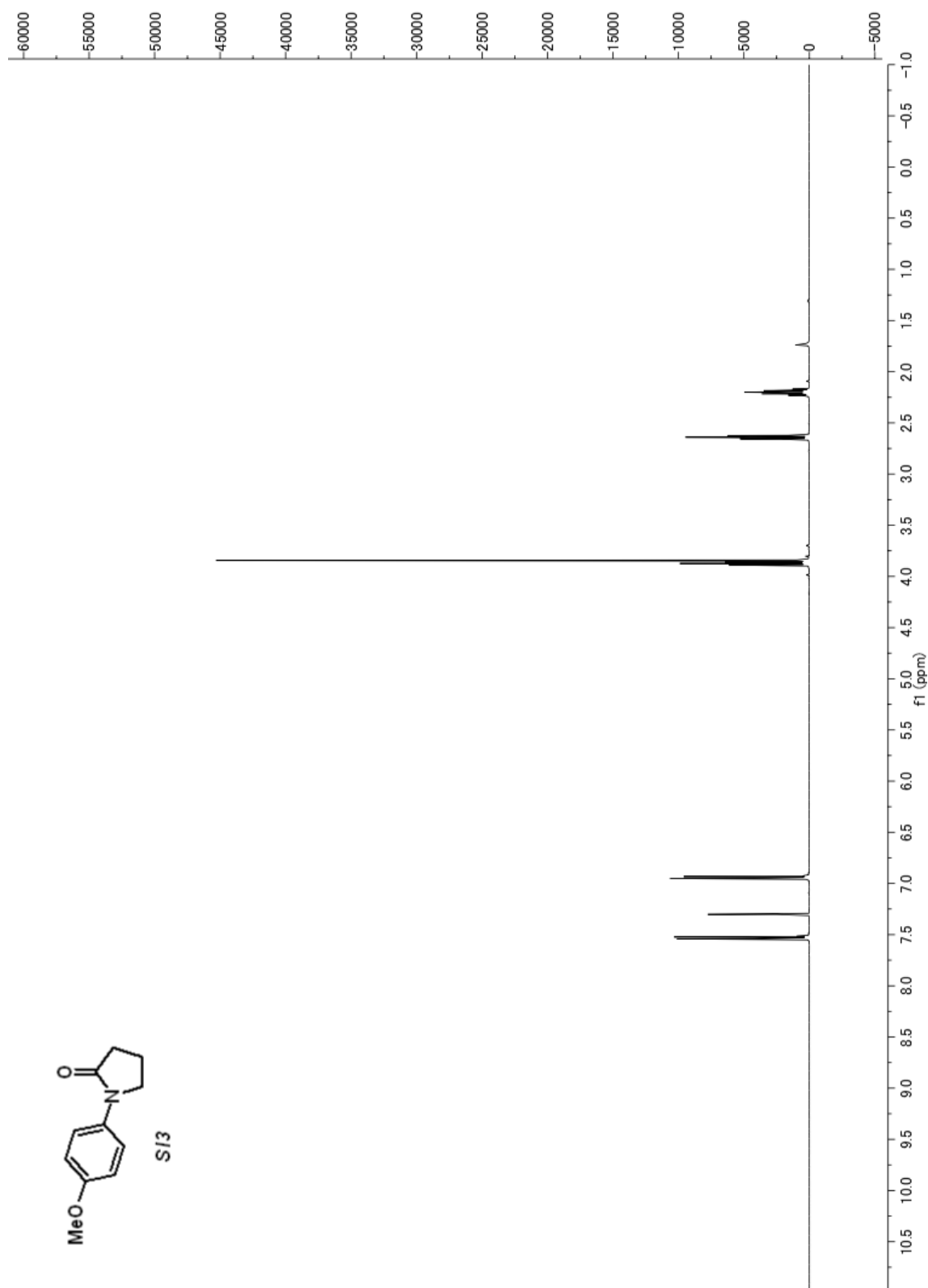
¹³C NMR (126 MHz, CDCl₃) of compound **SI2**.



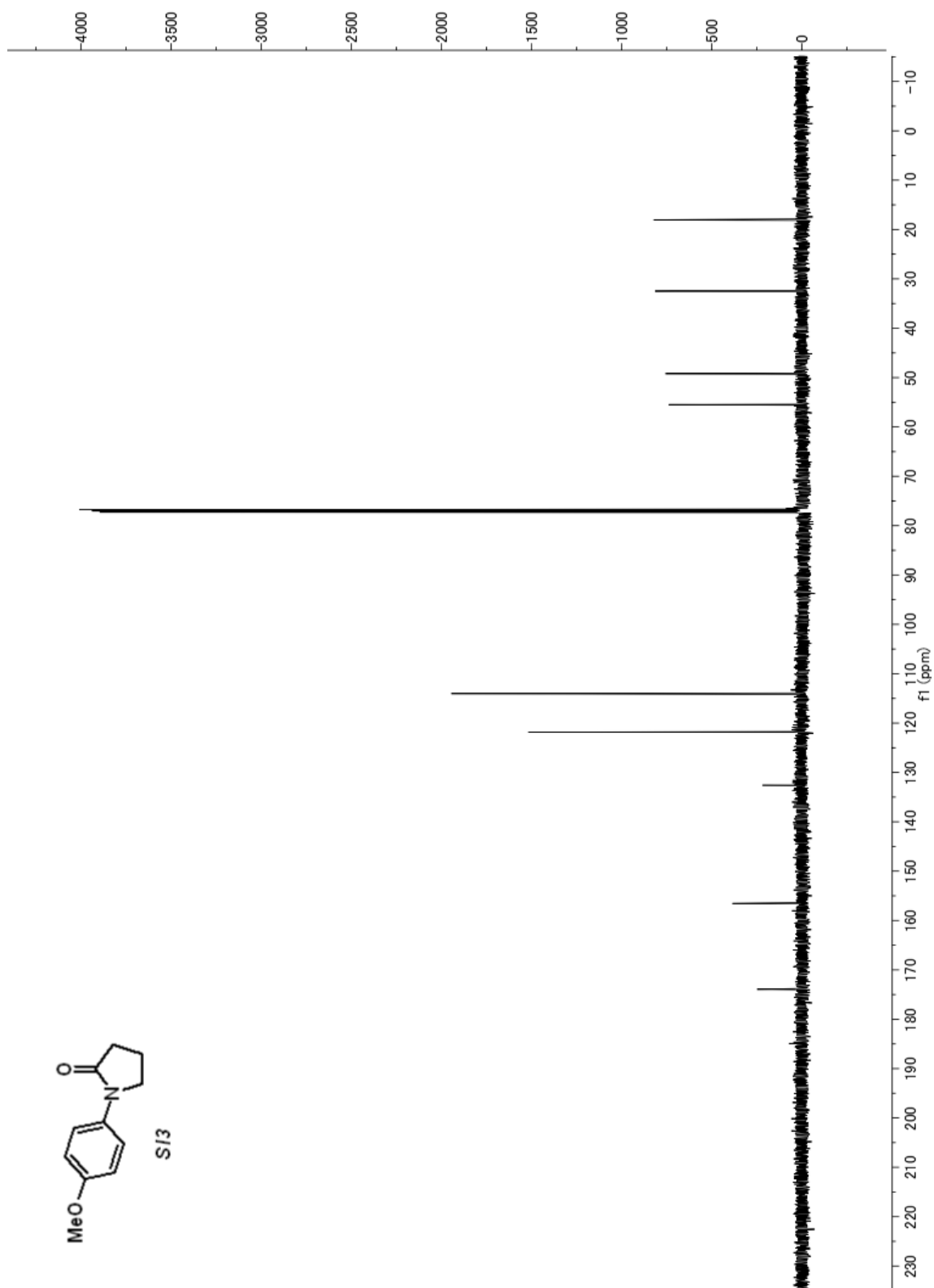
¹H NMR (500 MHz, CDCl₃) of compound **1b**.



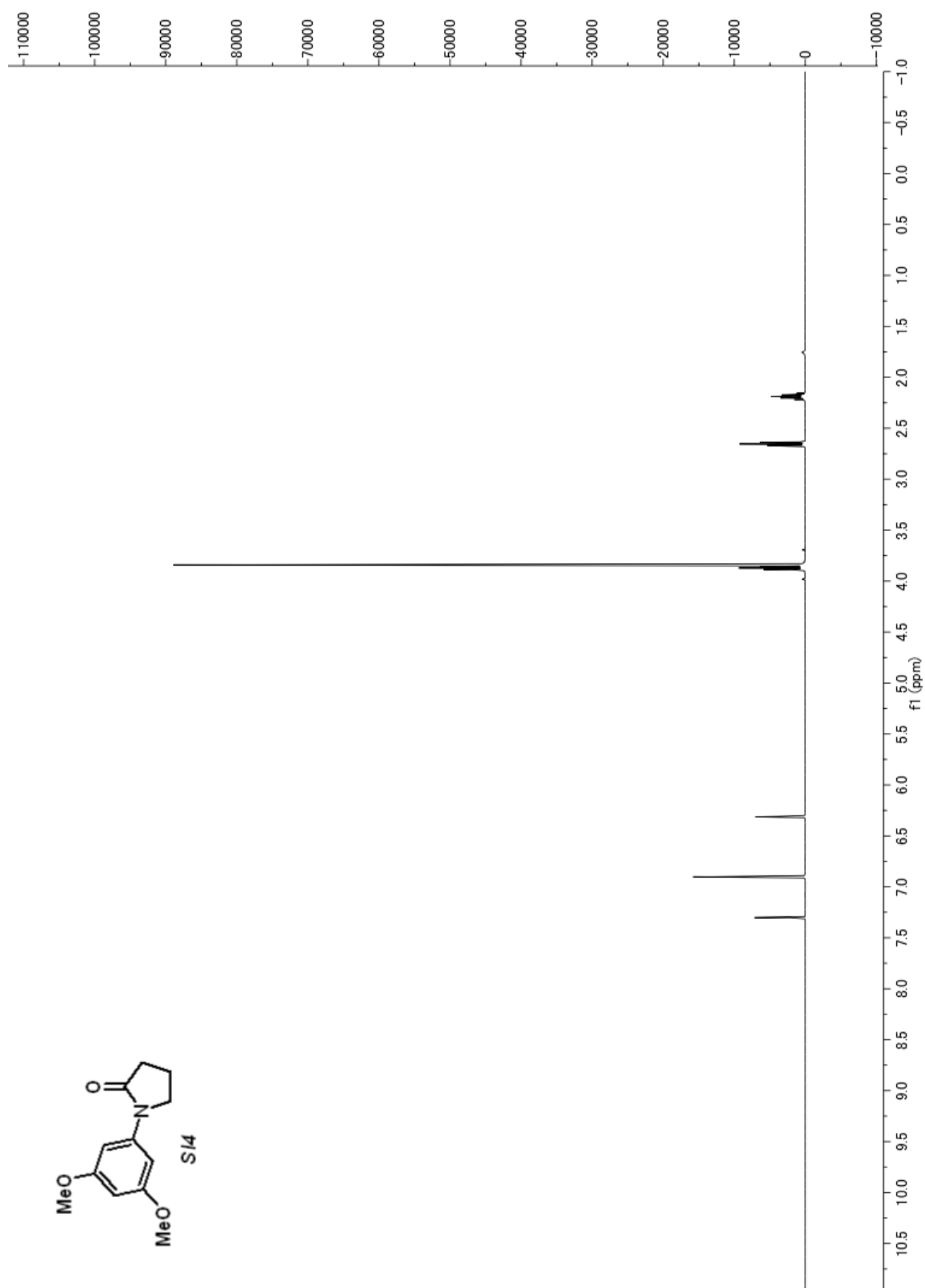
^{13}C NMR (126 MHz, CDCl_3) of compound **1b**.



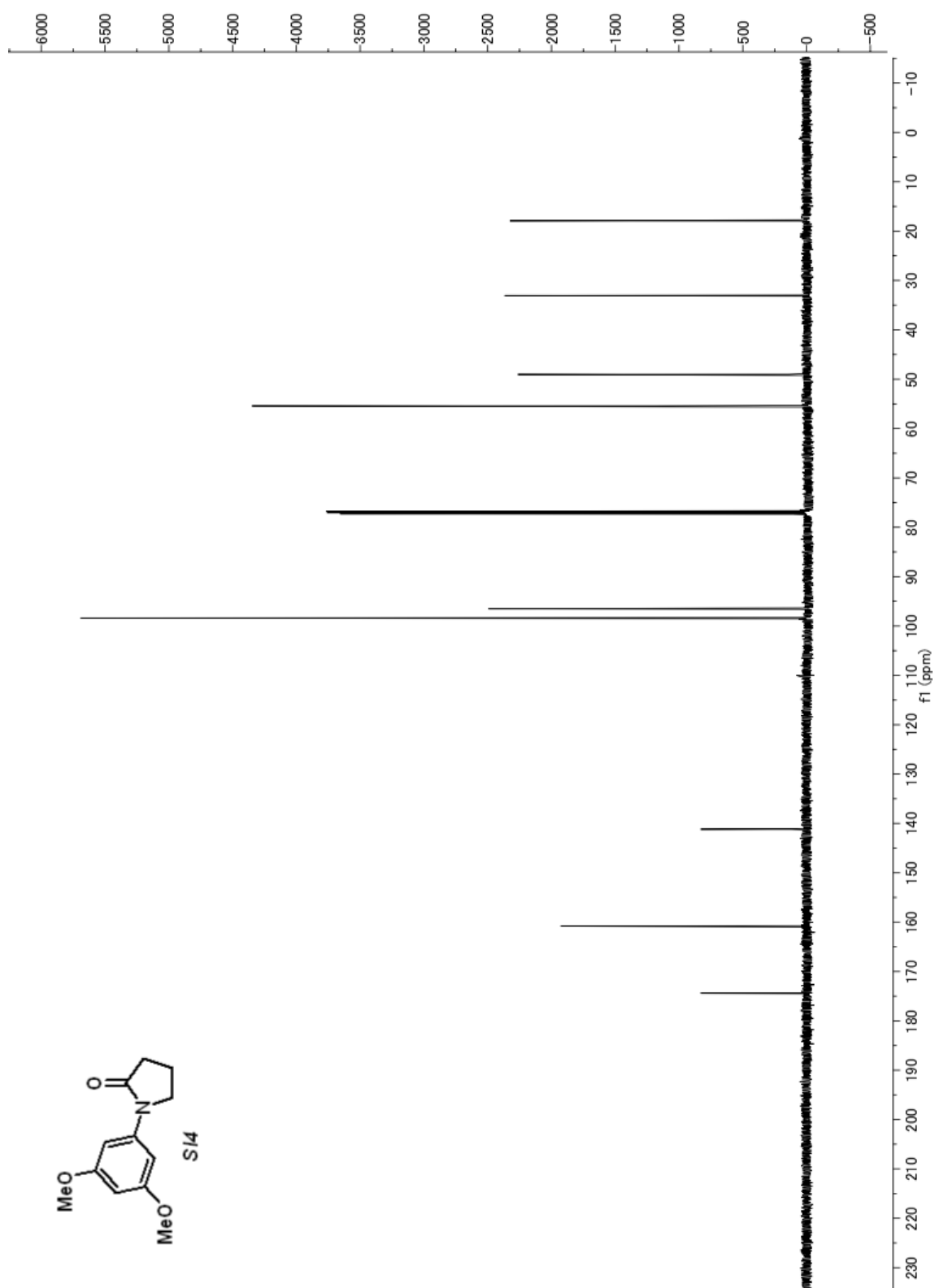
¹H NMR (500 MHz, CDCl₃) of compound **SI3**.



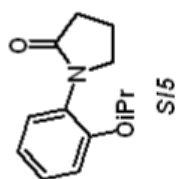
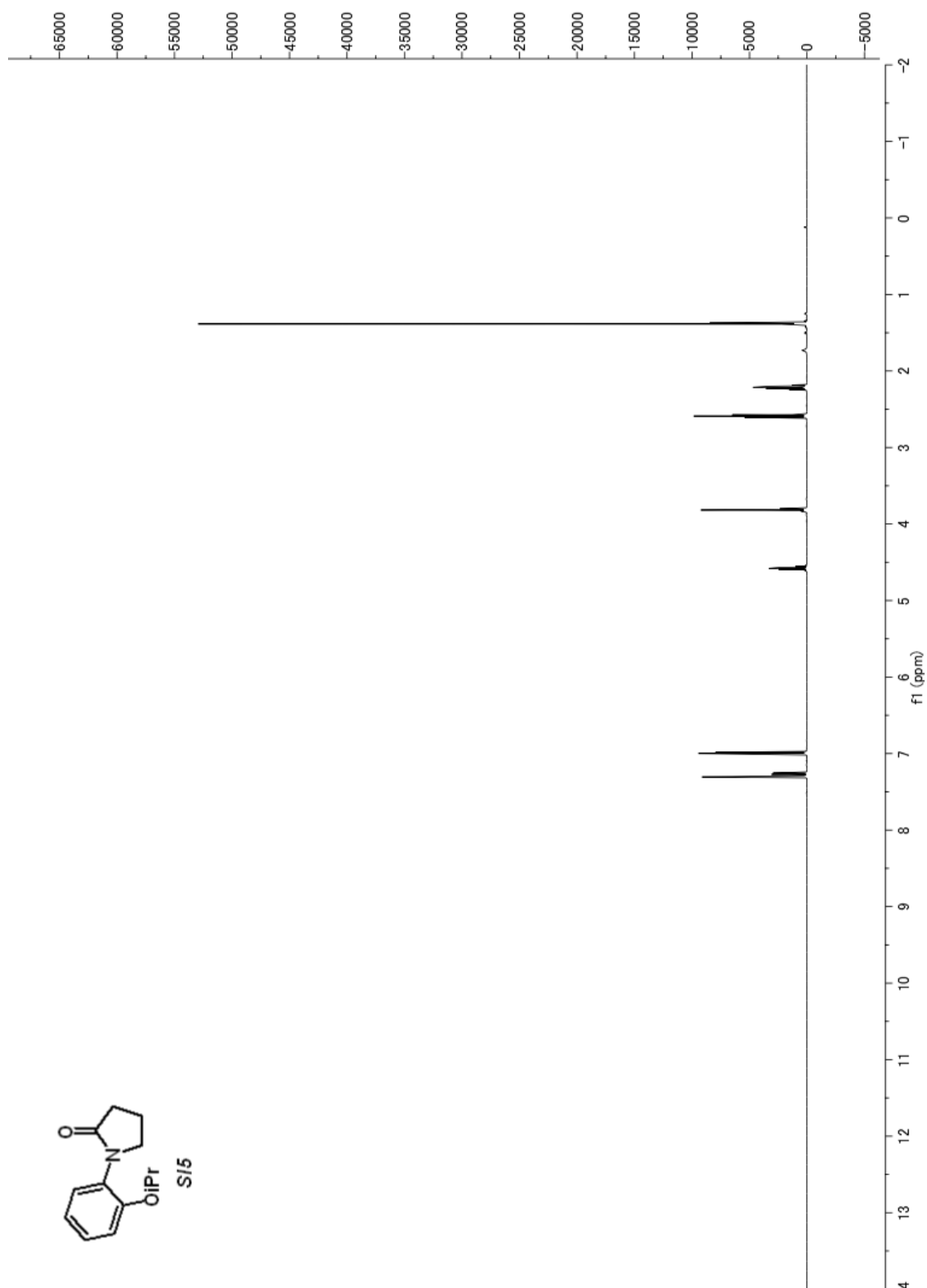
^{13}C NMR (126 MHz, CDCl_3) of compound **SI3**.



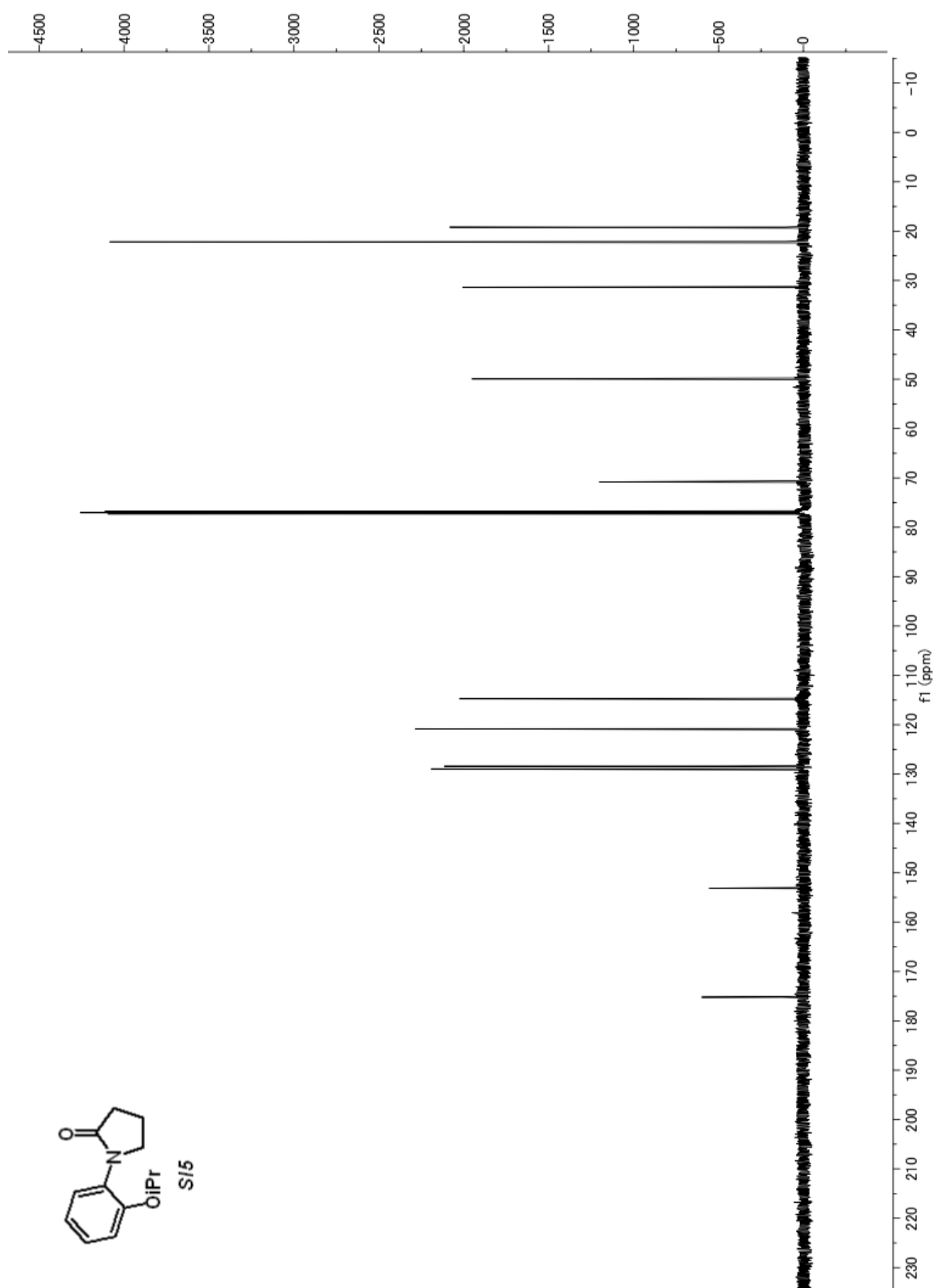
¹H NMR (500 MHz, CDCl₃) of compound **SI4**.



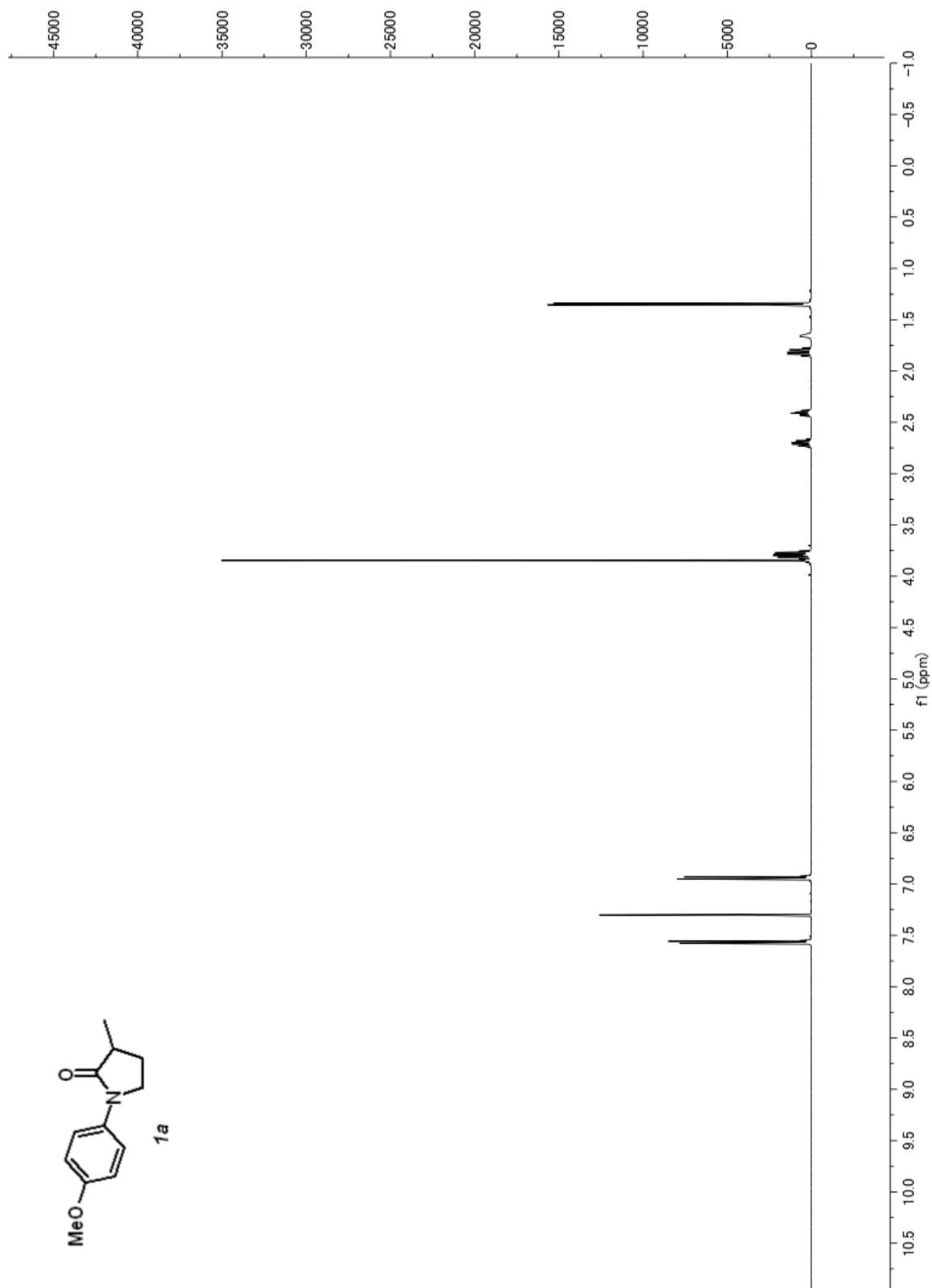
^{13}C NMR (126 MHz, CDCl_3) of compound **SI4**.



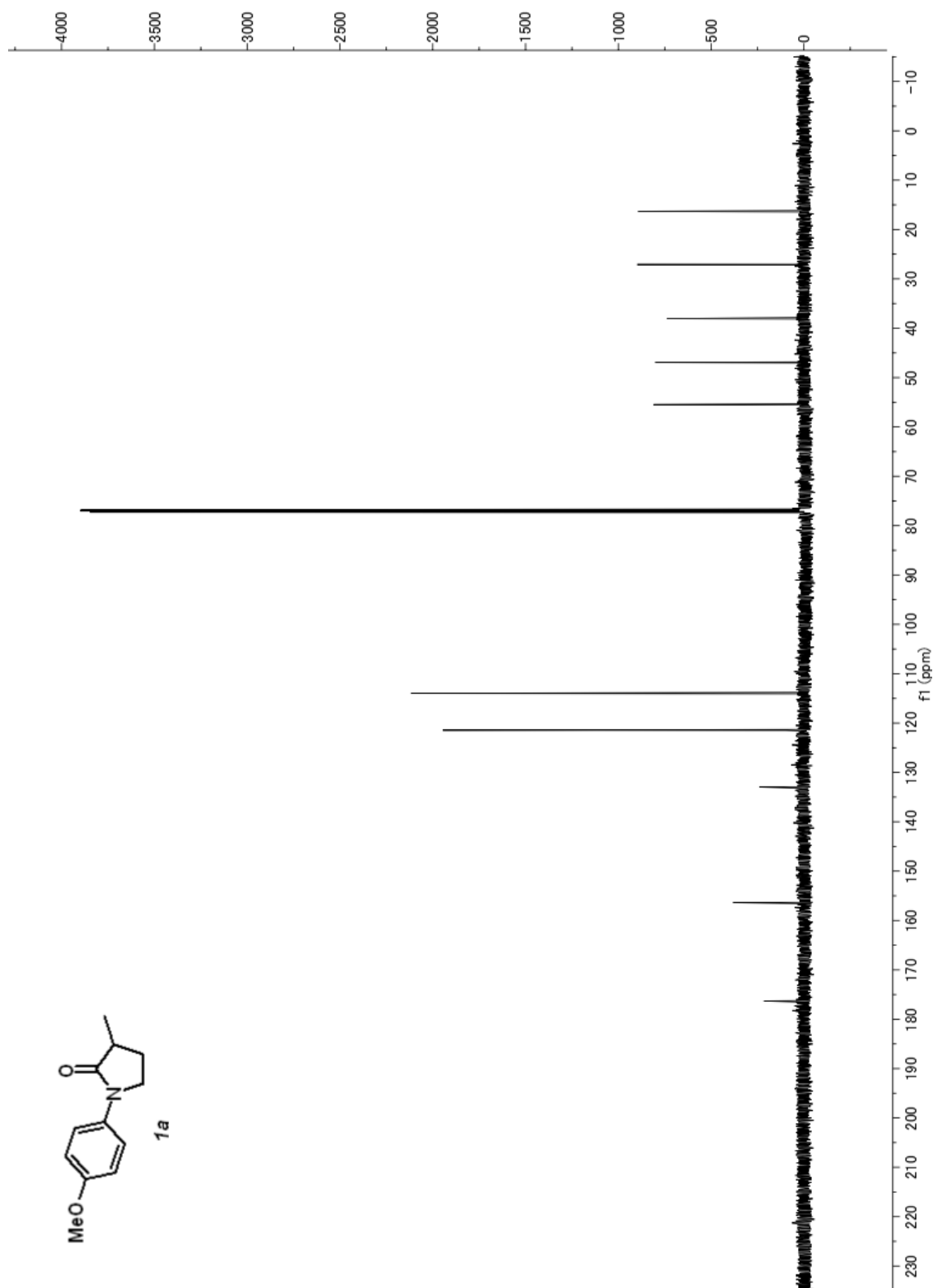
¹H NMR (500 MHz, CDCl₃) of compound **SI5**.

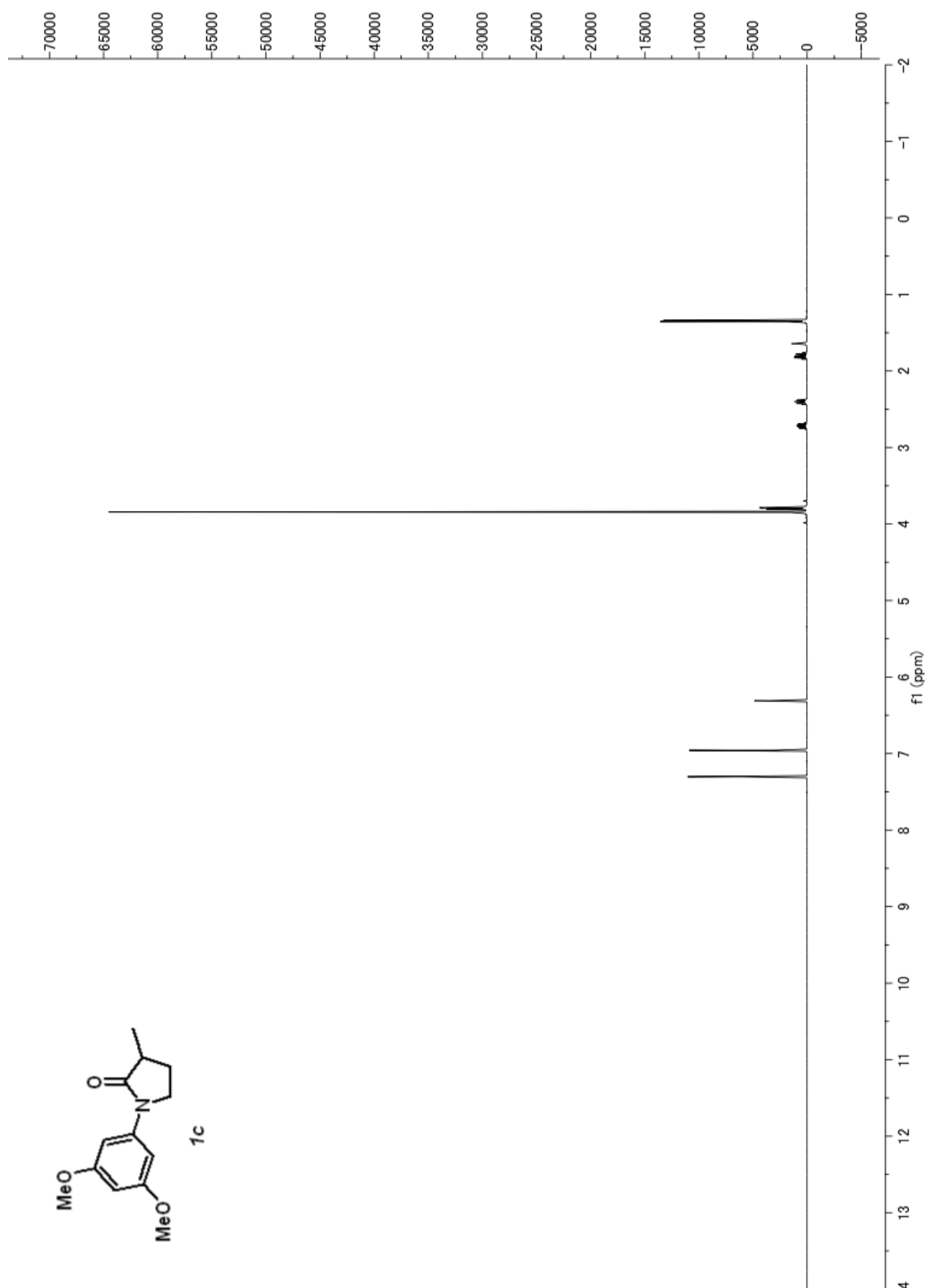


^{13}C NMR (126 MHz, CDCl_3) of compound **S15**.

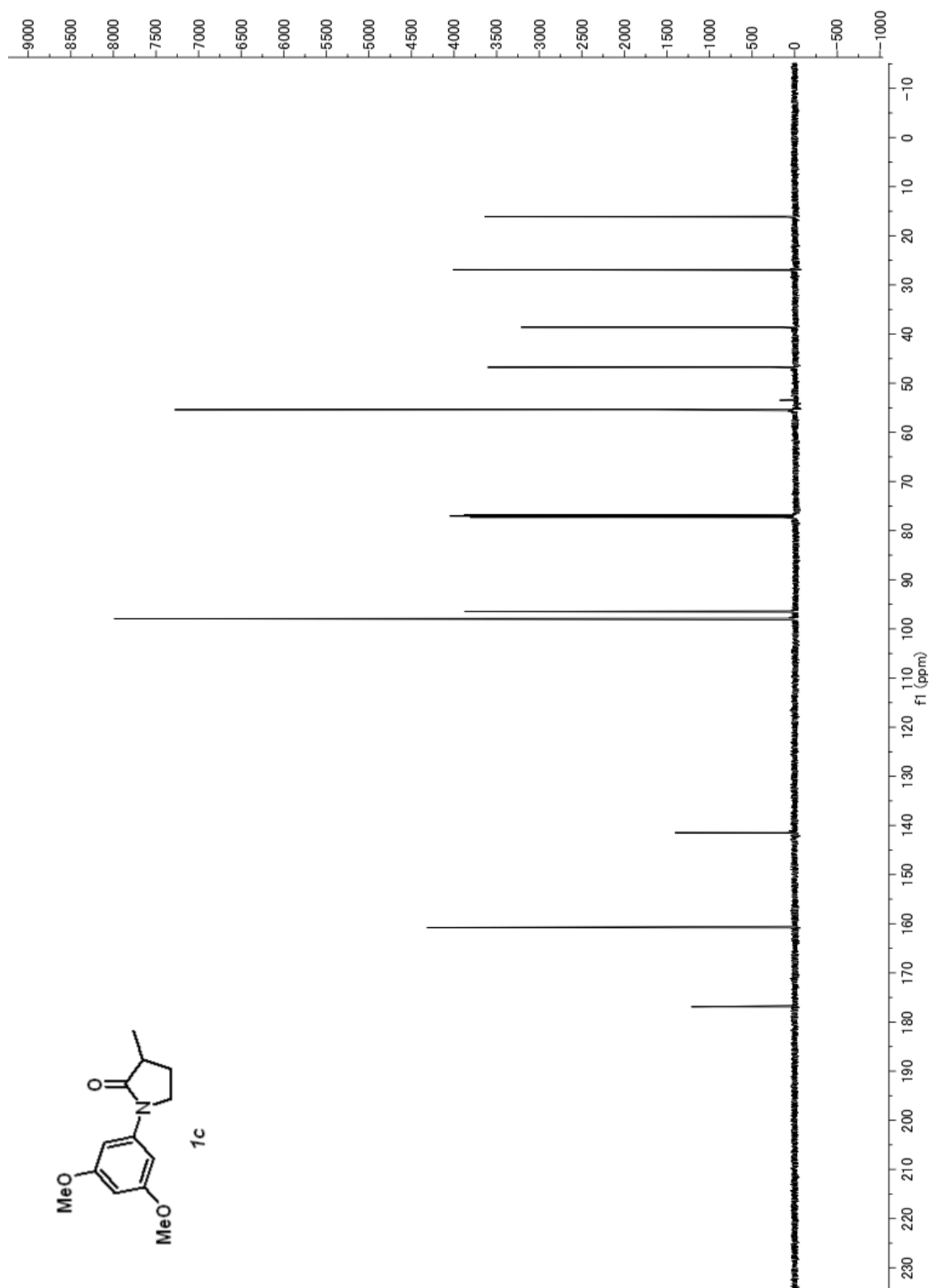


¹H NMR (500 MHz, CDCl₃) of compound **1a**.

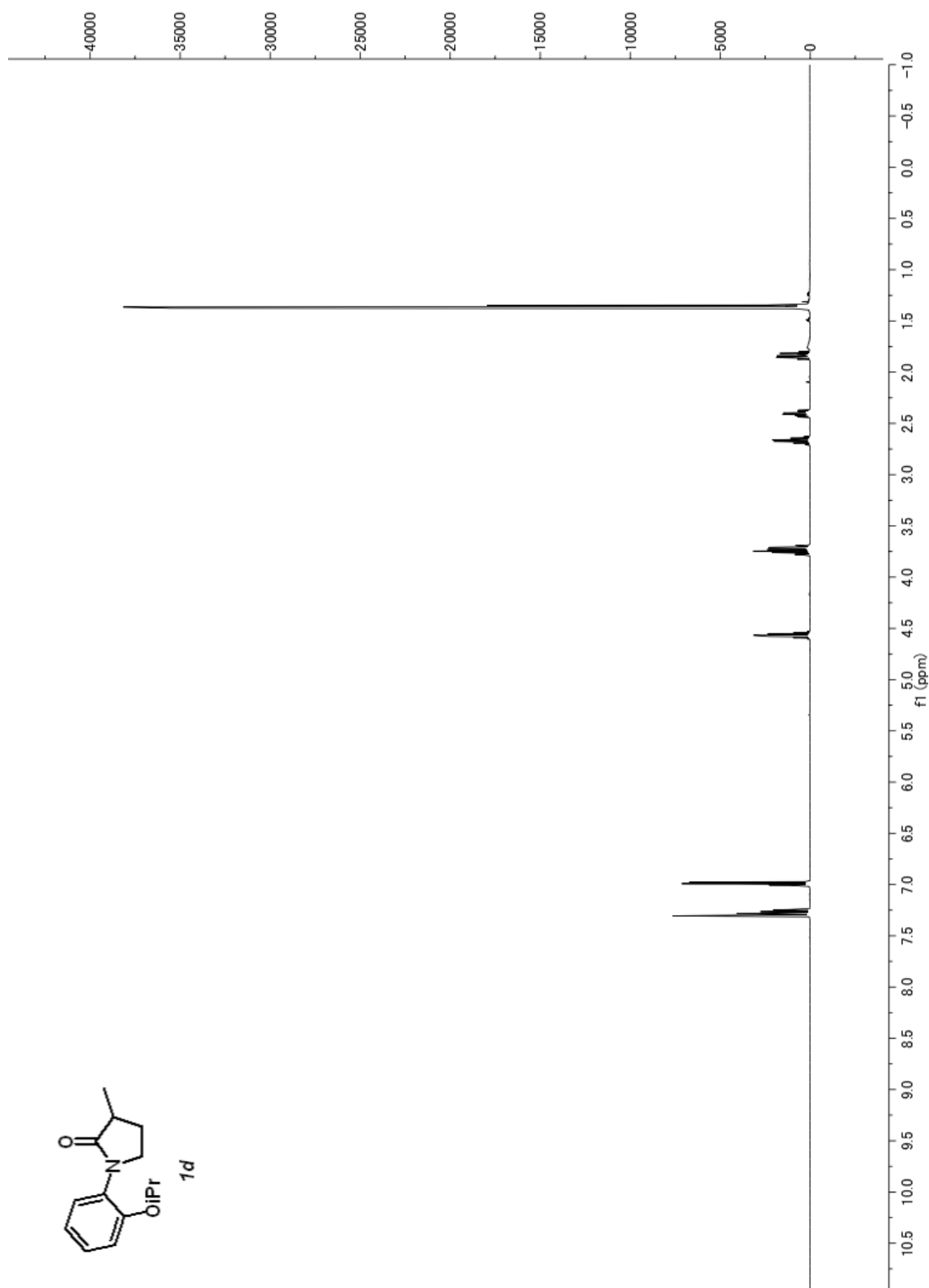
 ^{13}C NMR (126 MHz, CDCl_3) of compound **1a**.



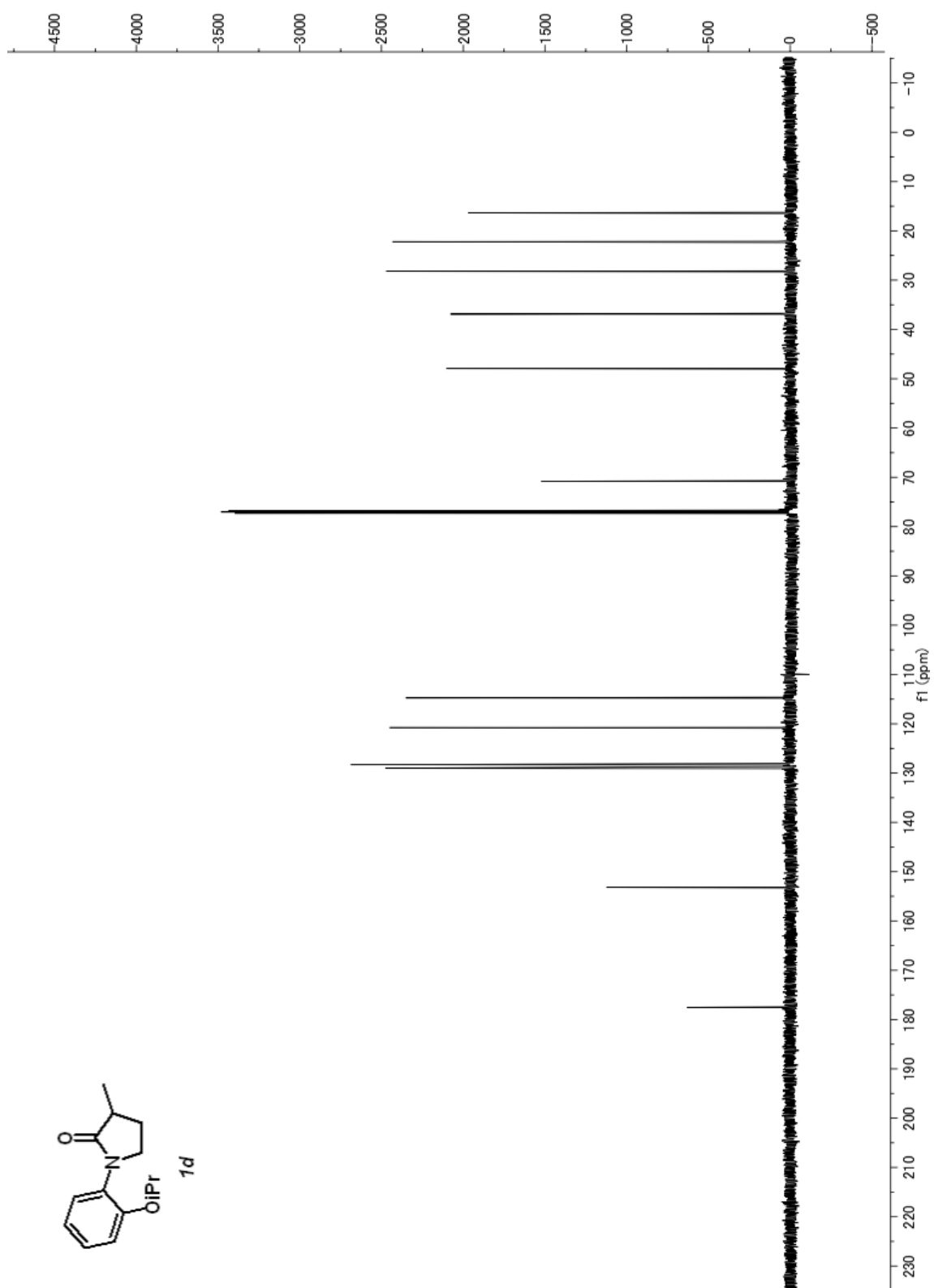
¹H NMR (500 MHz, CDCl₃) of compound **1c**.



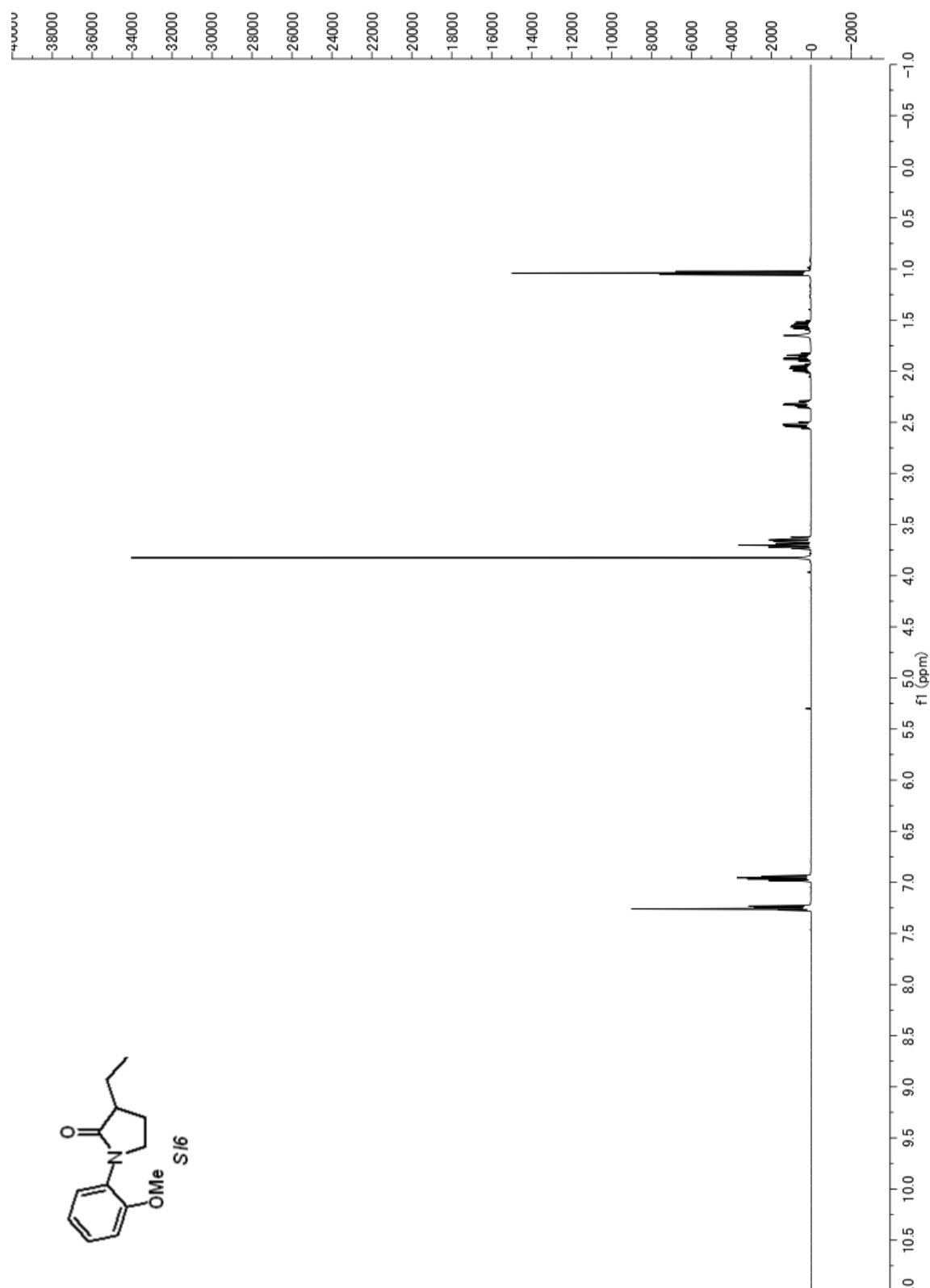
¹³C NMR (126 MHz, CDCl₃) of compound **1c**.



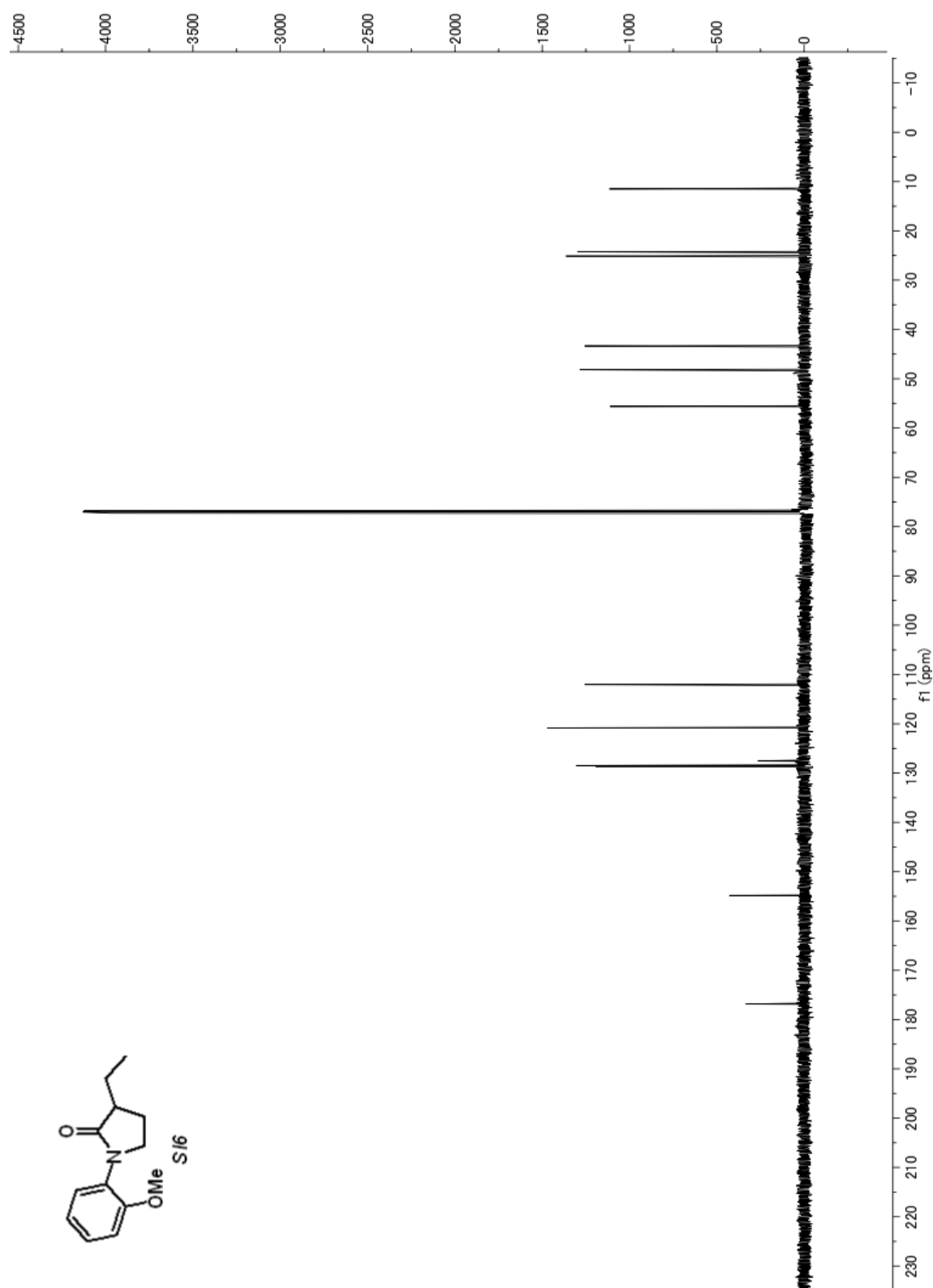
¹H NMR (500 MHz, CDCl₃) of compound **1d**.



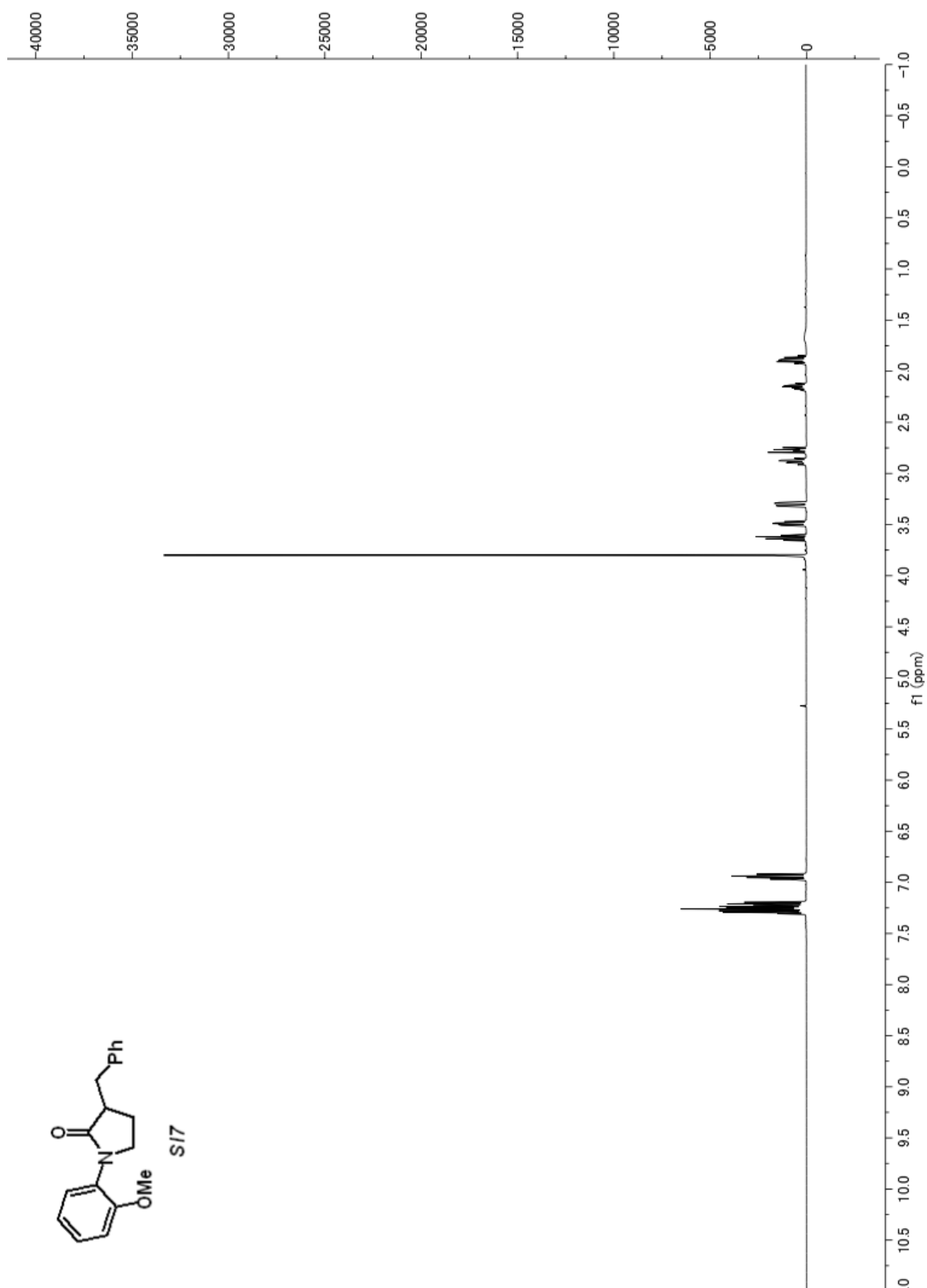
¹³C NMR (126 MHz, CDCl₃) of compound **1d**.



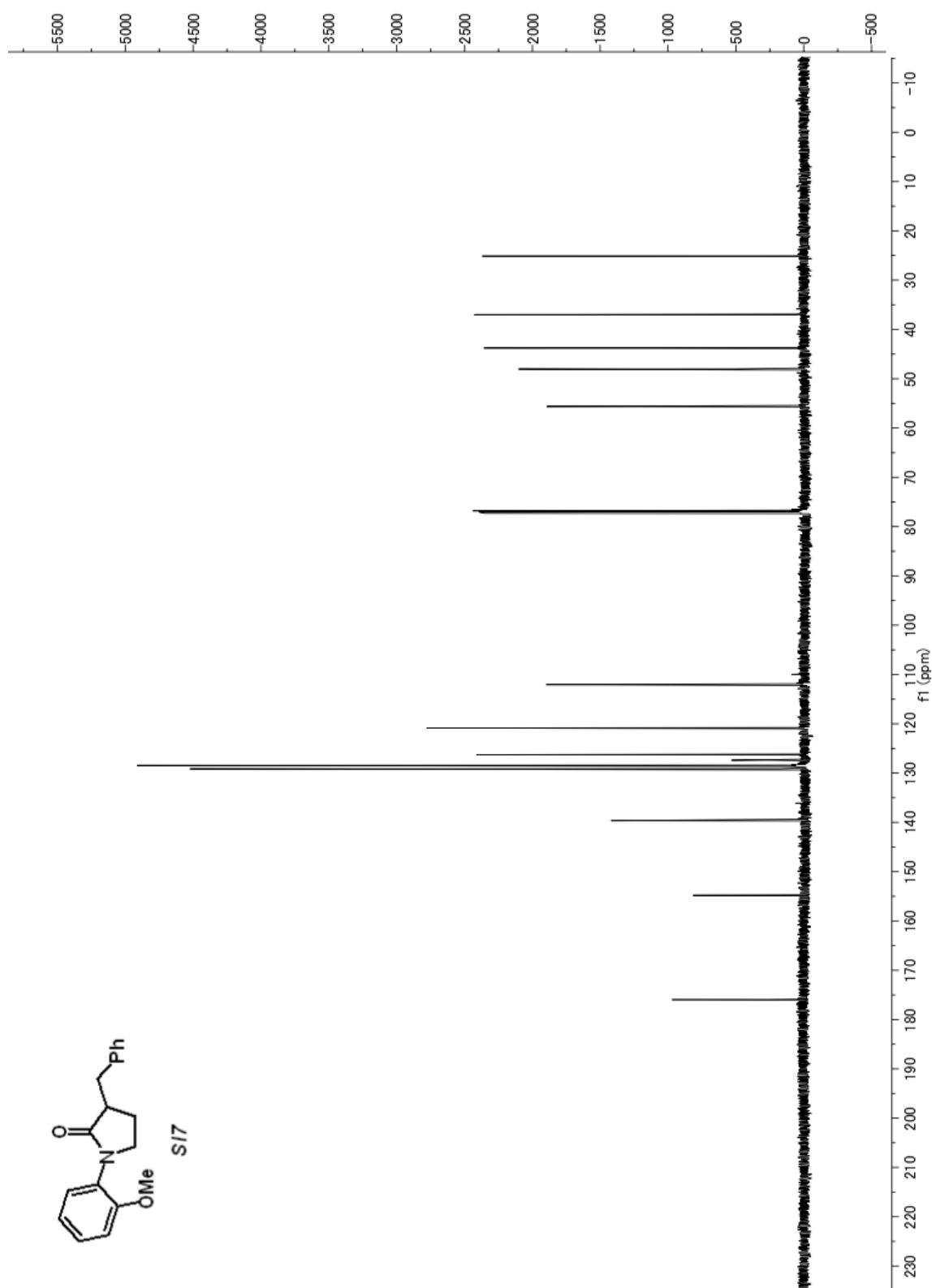
¹H NMR (500 MHz, CDCl₃) of compound **SI6**.



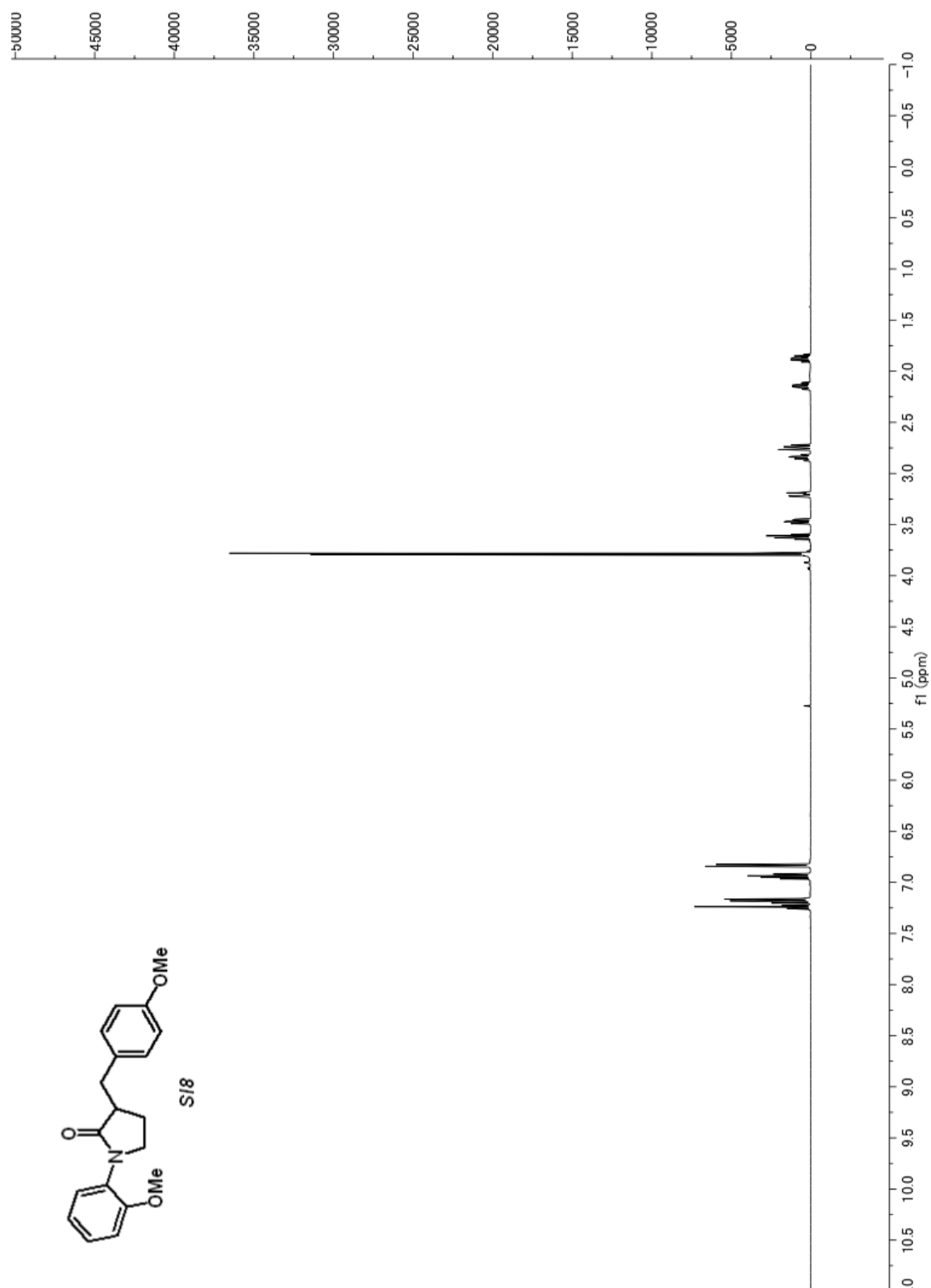
^{13}C NMR (126 MHz, CDCl_3) of compound **SI6**.



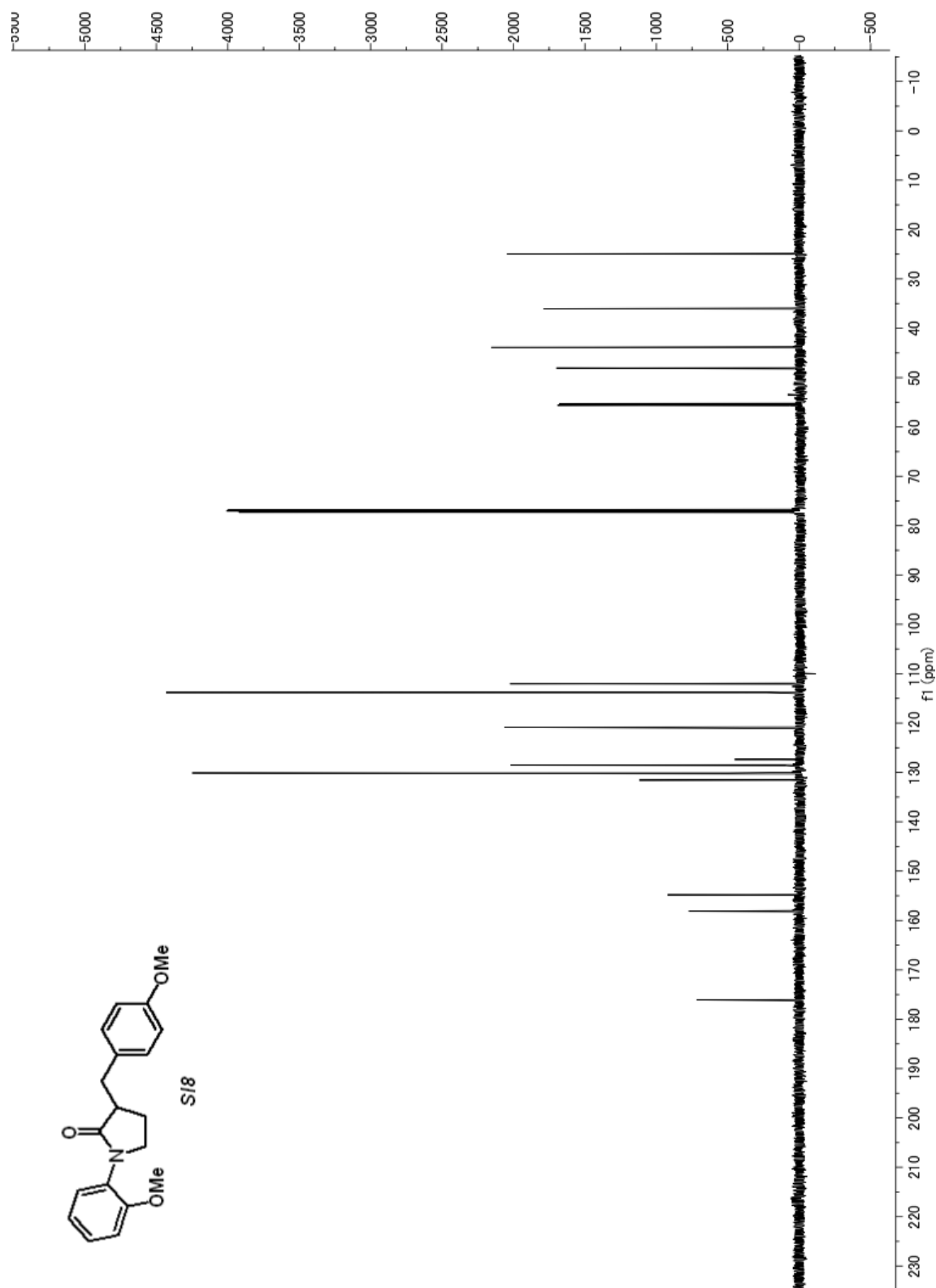
¹H NMR (500 MHz, CDCl₃) of compound **SI7**.



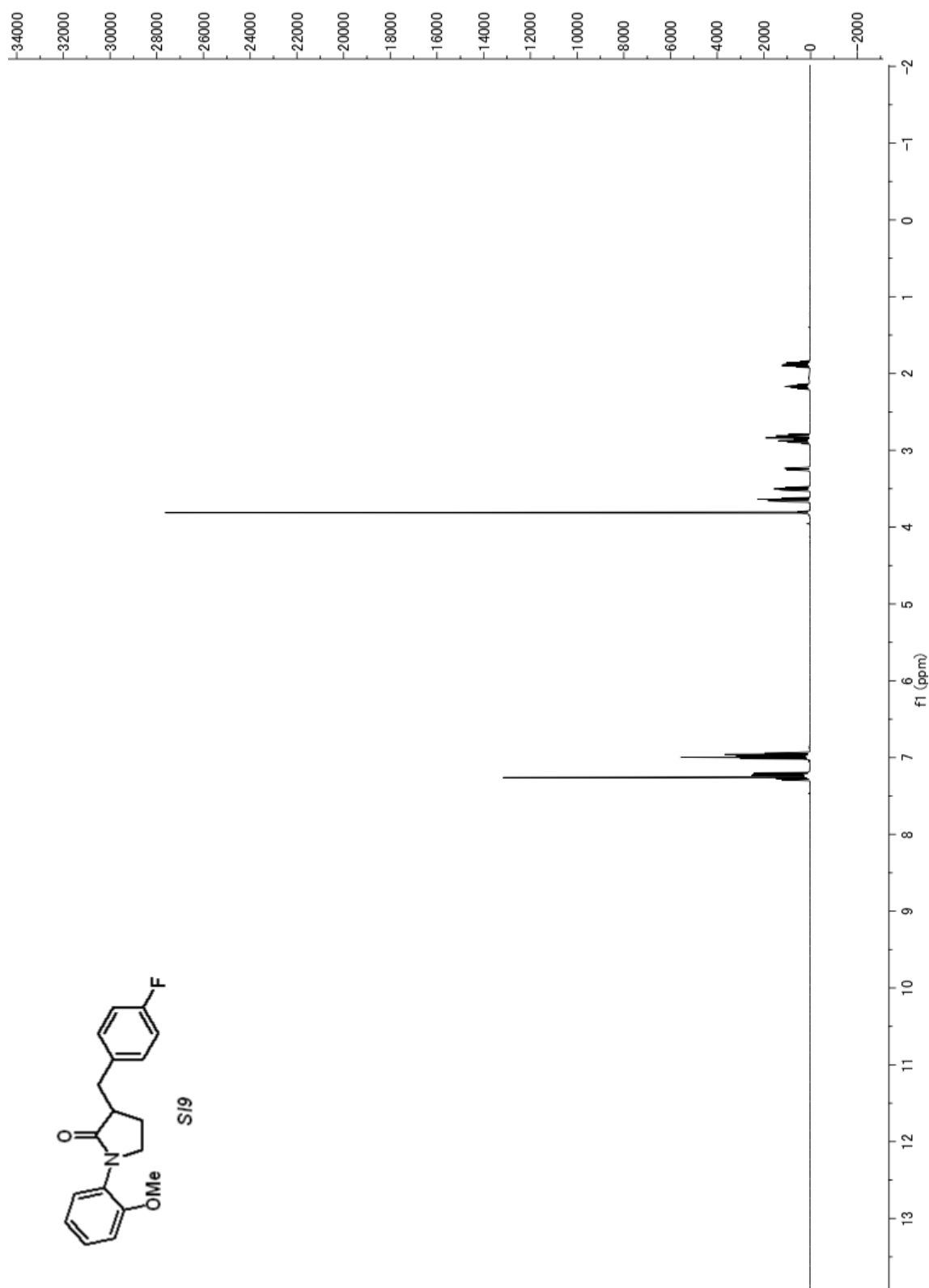
^{13}C NMR (126 MHz, CDCl_3) of compound **S17**.



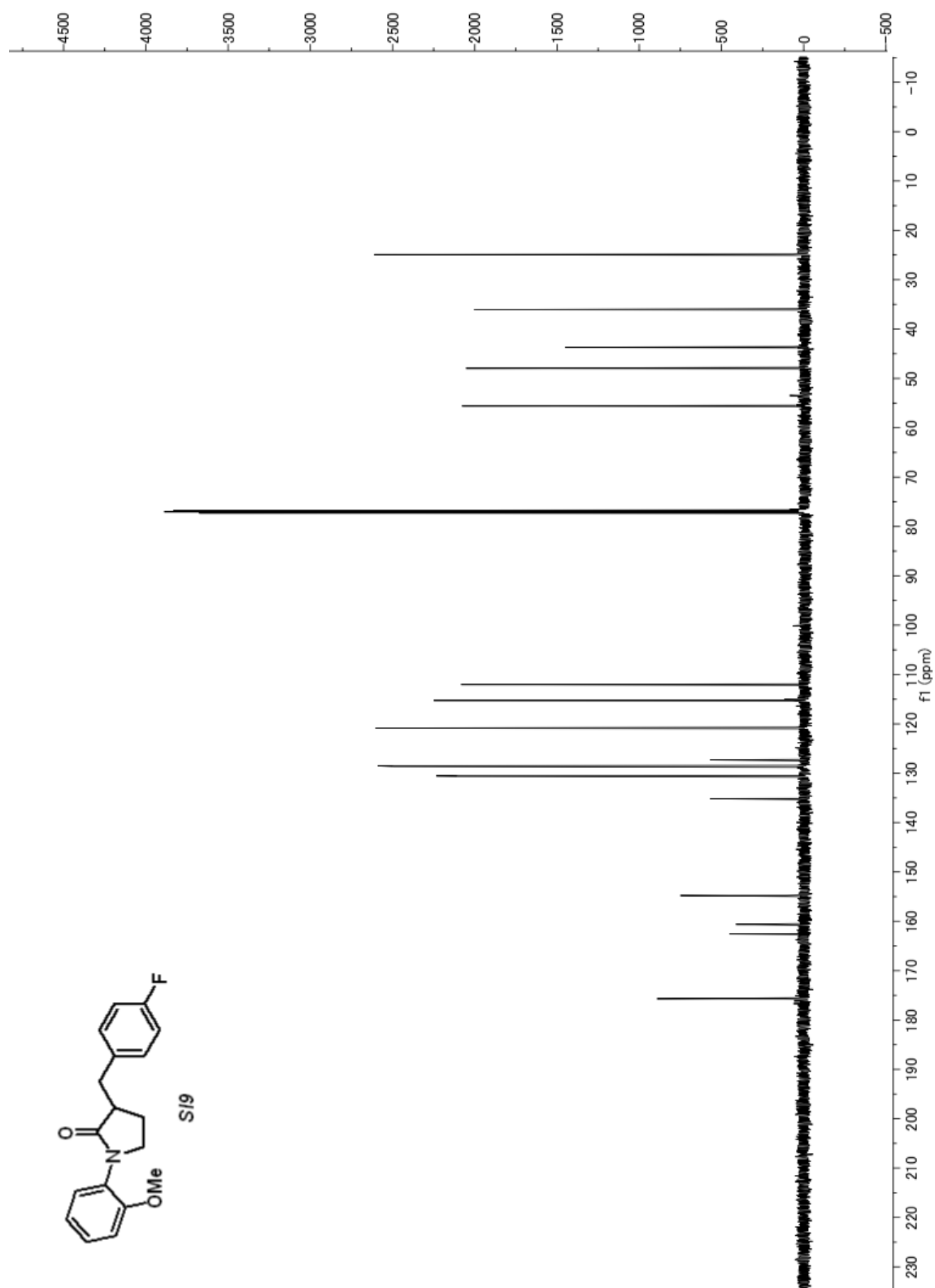
^1H NMR (500 MHz, CDCl_3) of compound **SI8**.

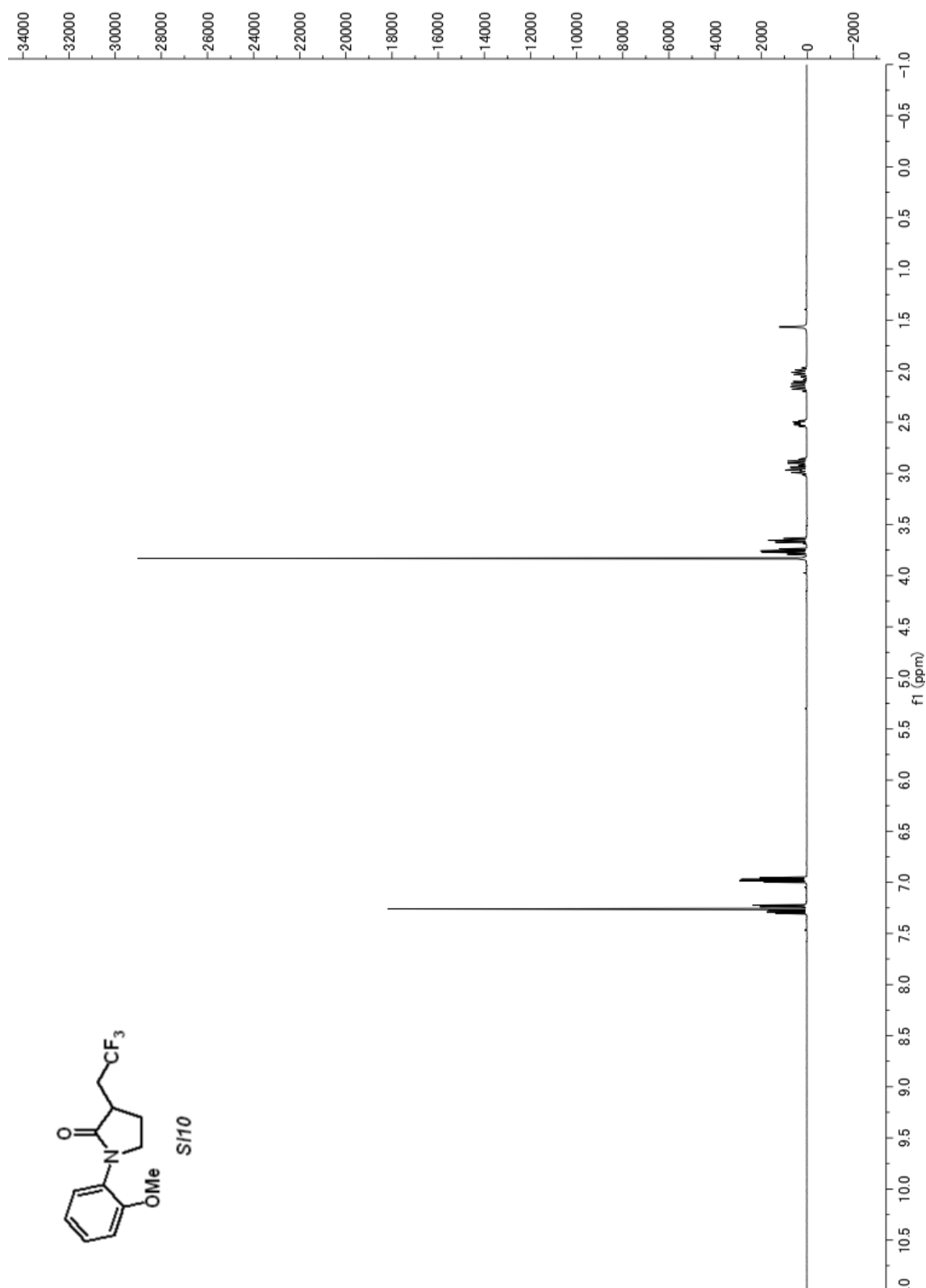


^{13}C NMR (126 MHz, CDCl_3) of compound **S18**.

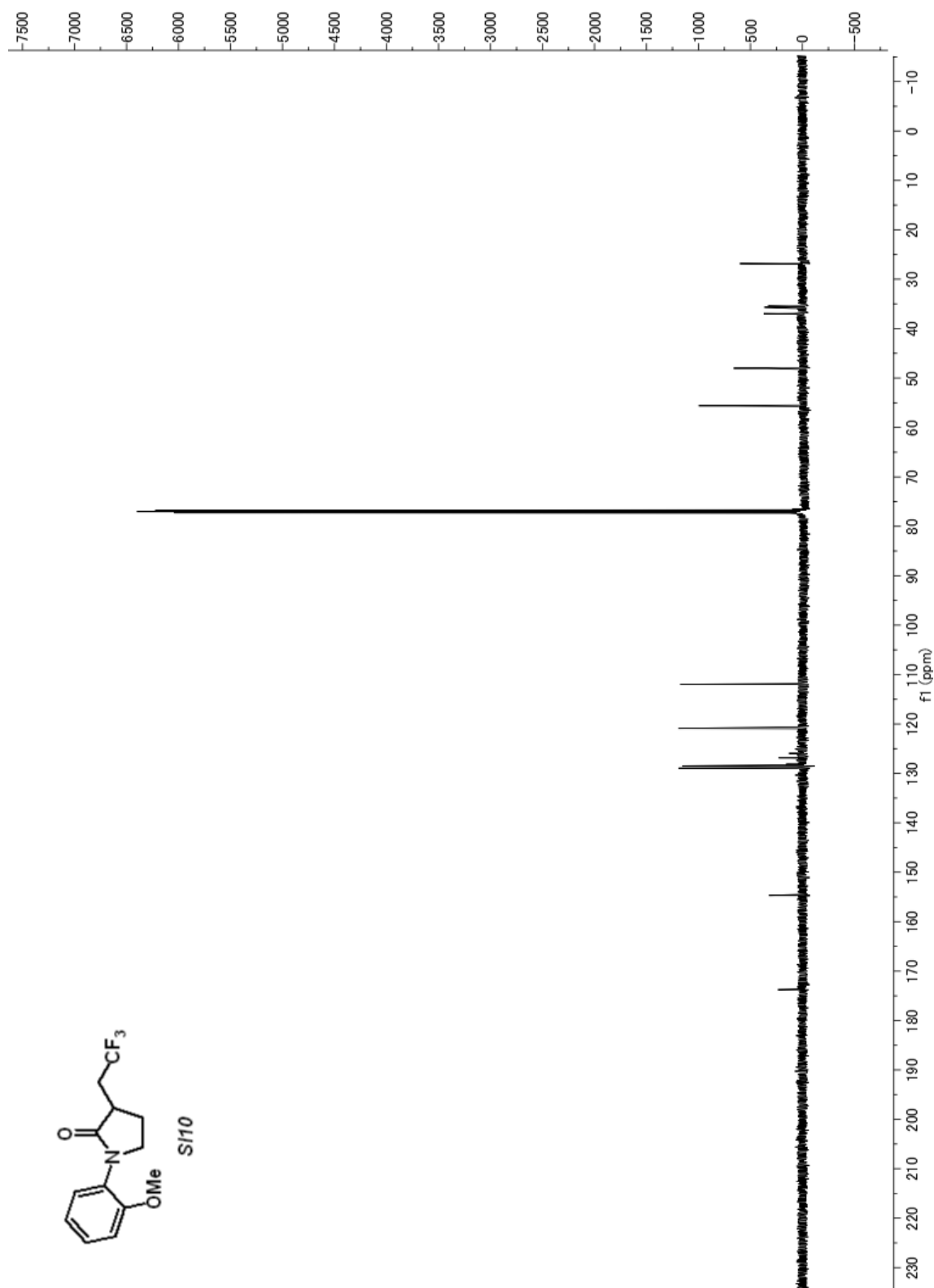


¹H NMR (500 MHz, CDCl₃) of compound **SI9.**

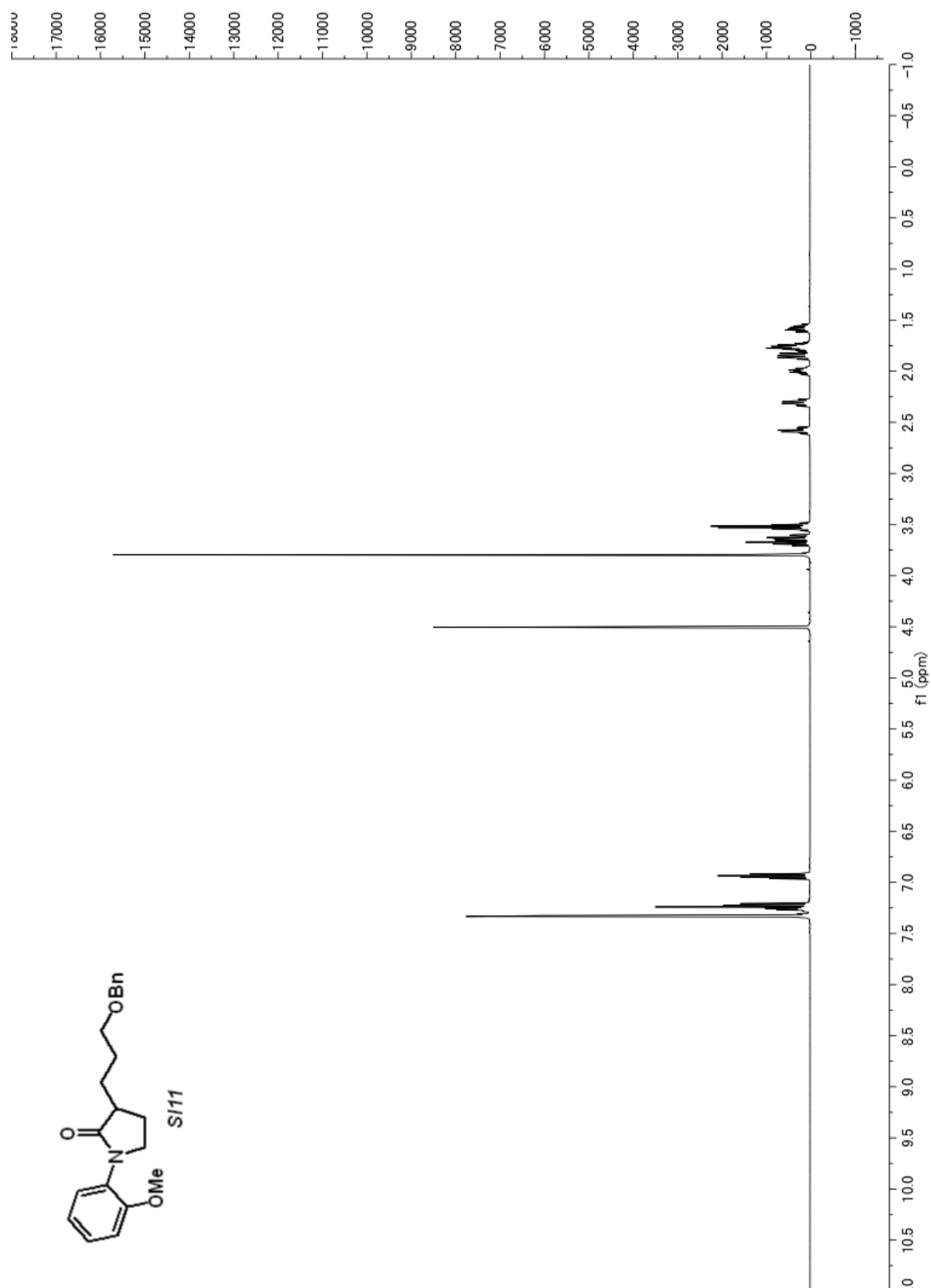




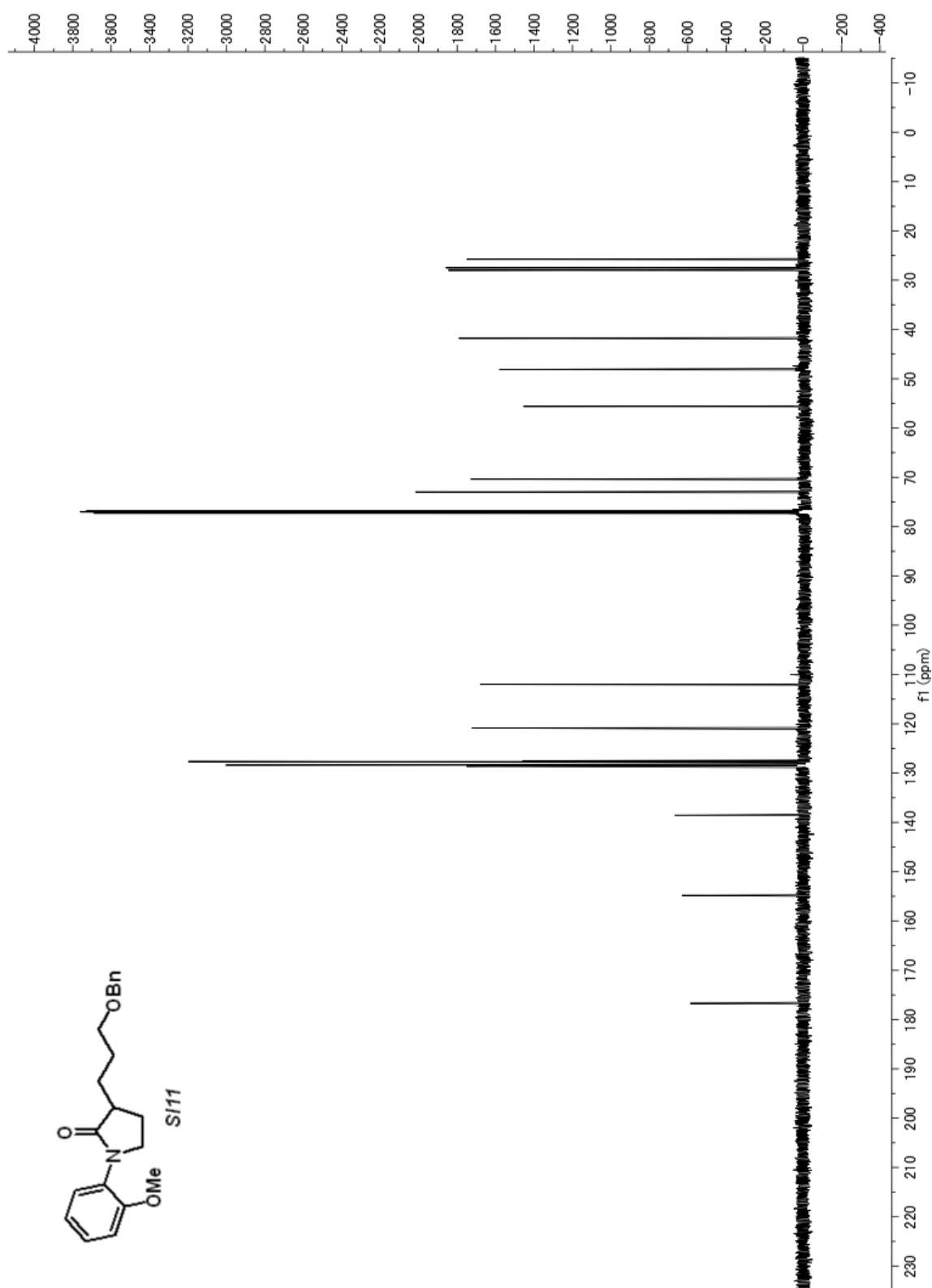
¹H NMR (500 MHz, CDCl₃) of compound **SI10**.



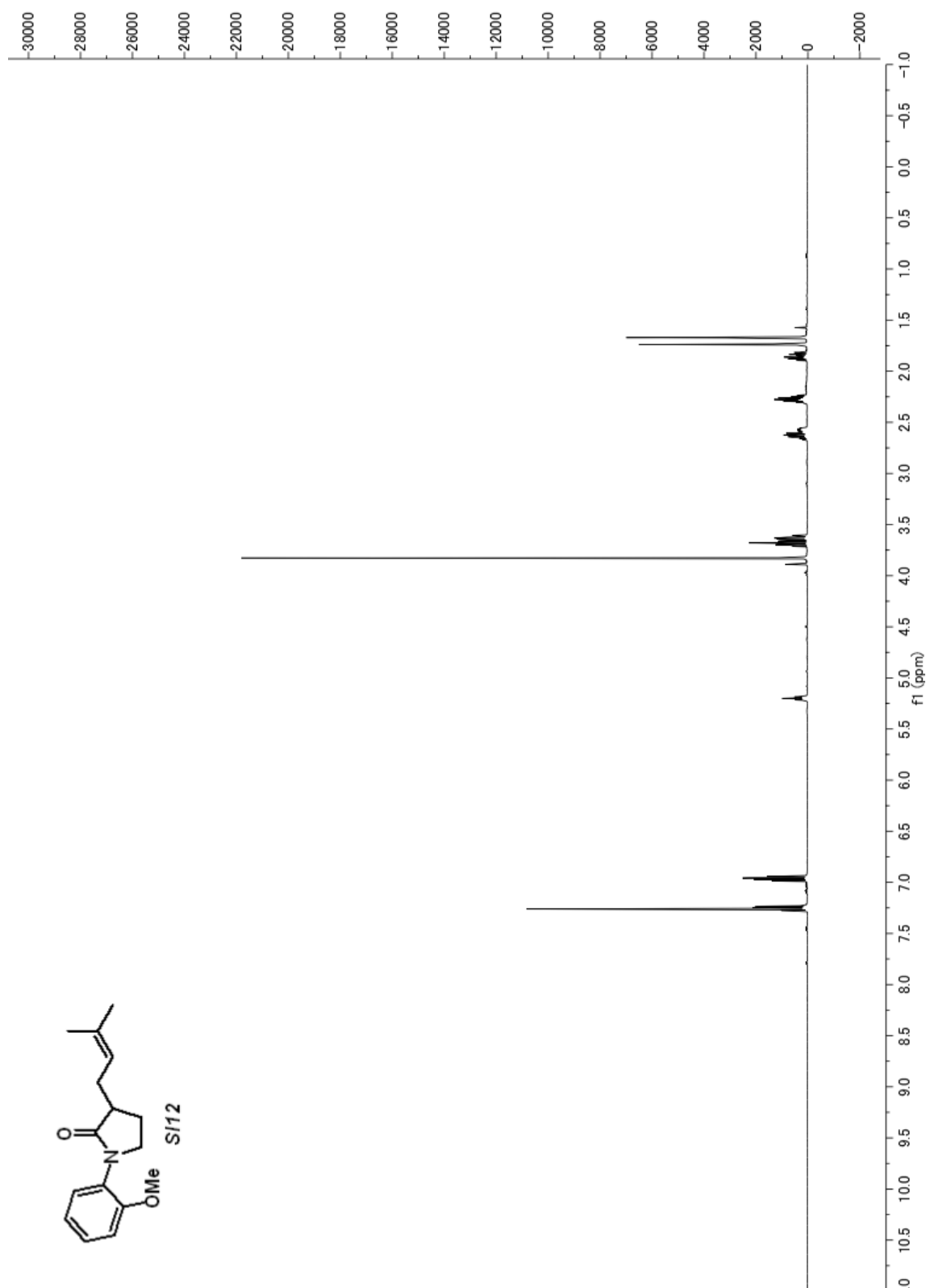
^{13}C NMR (126 MHz, CDCl_3) of compound **SI10**.



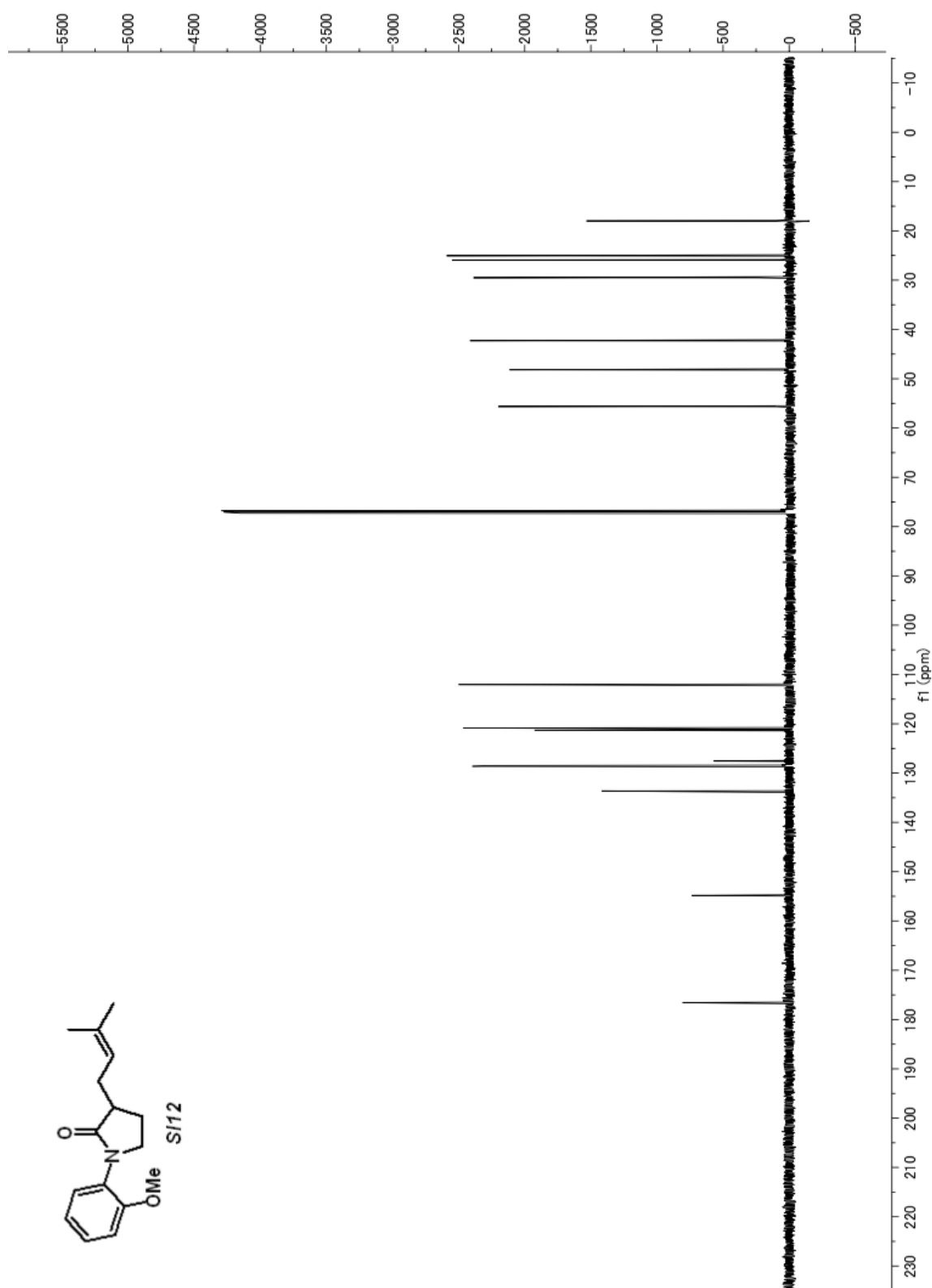
^1H NMR (500 MHz, CDCl_3) of compound **SI11**.

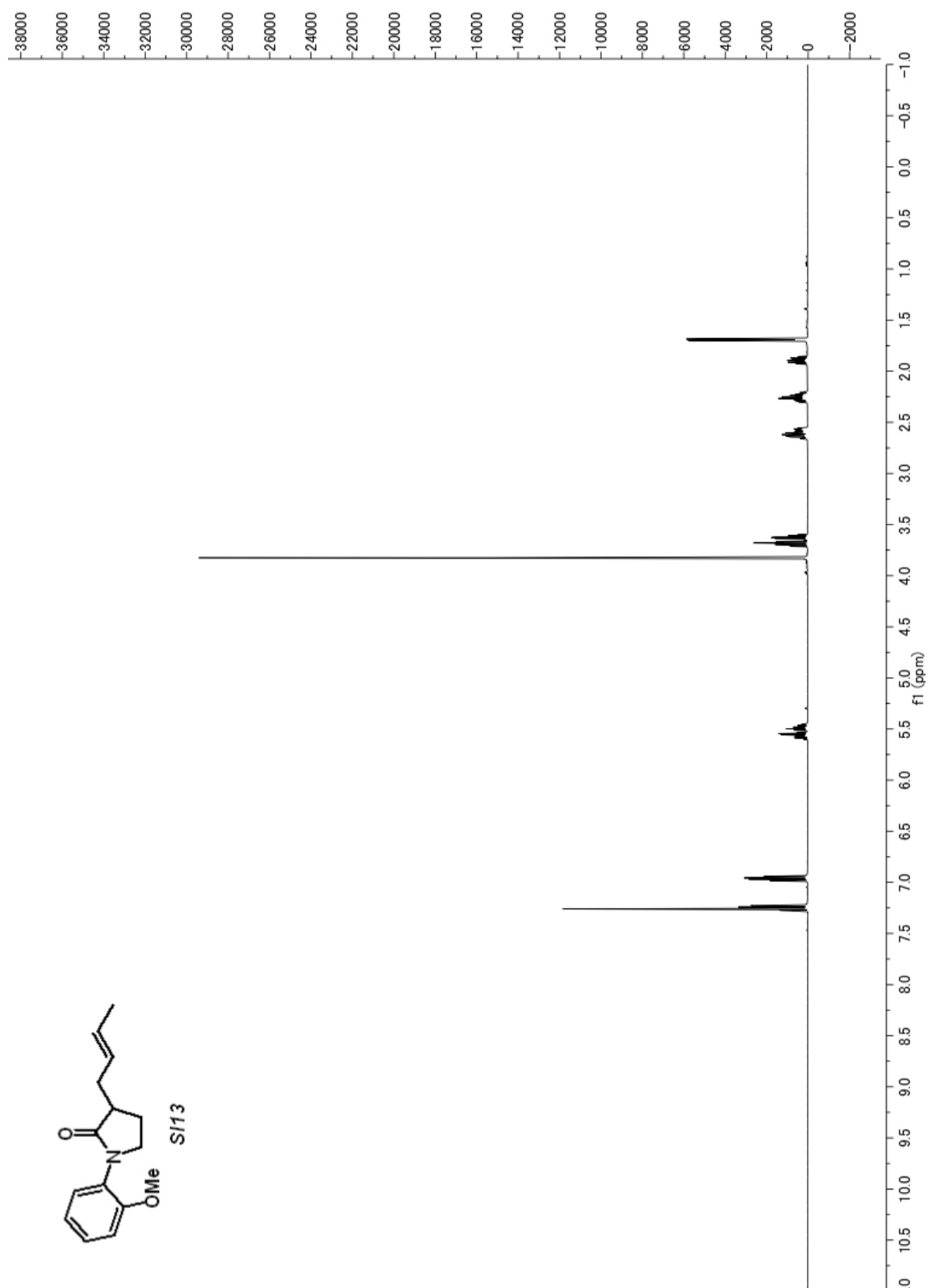


^{13}C NMR (126 MHz, CDCl_3) of compound **SI11**.

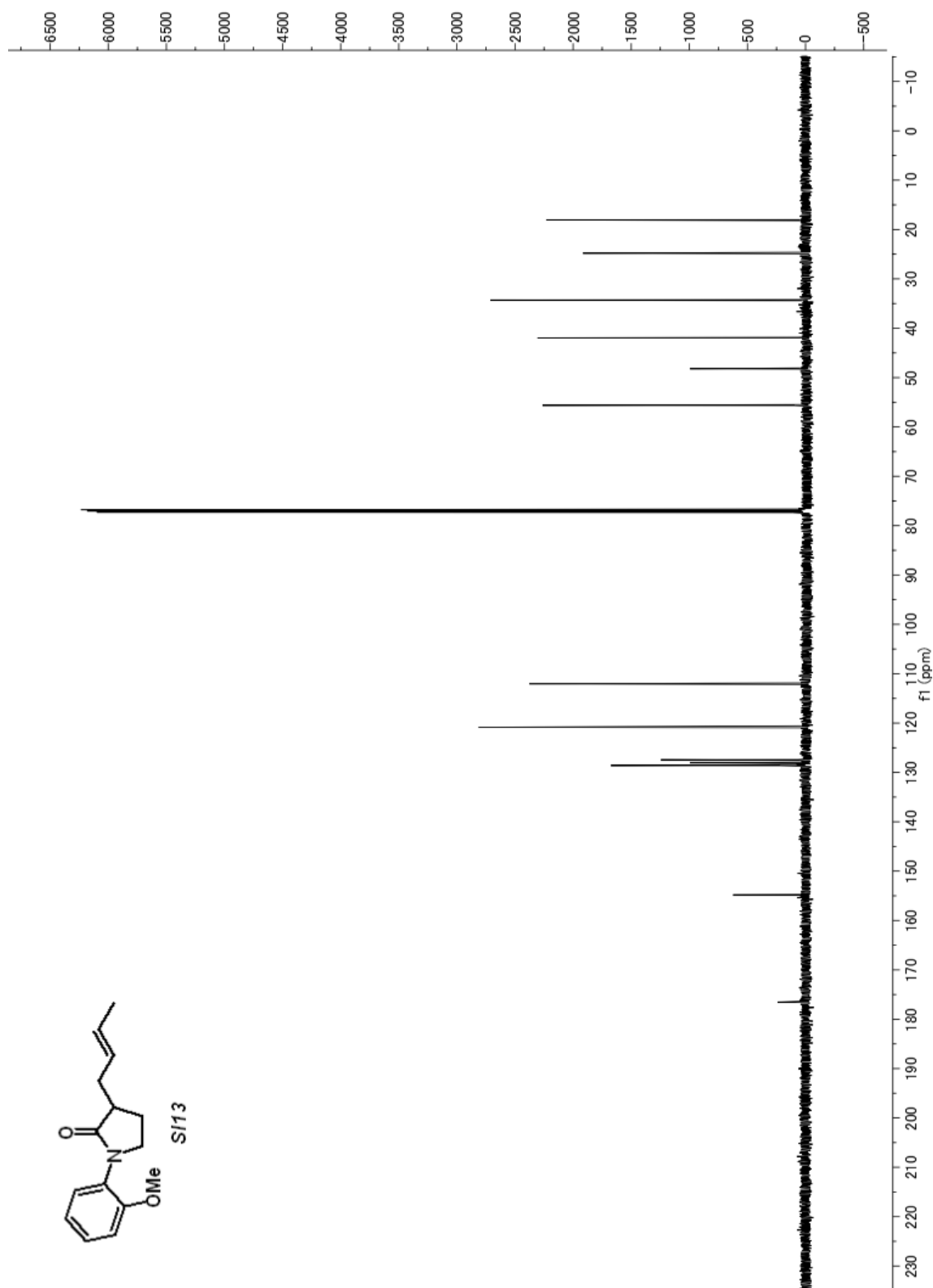


¹H NMR (500 MHz, CDCl₃) of compound **SI12**.

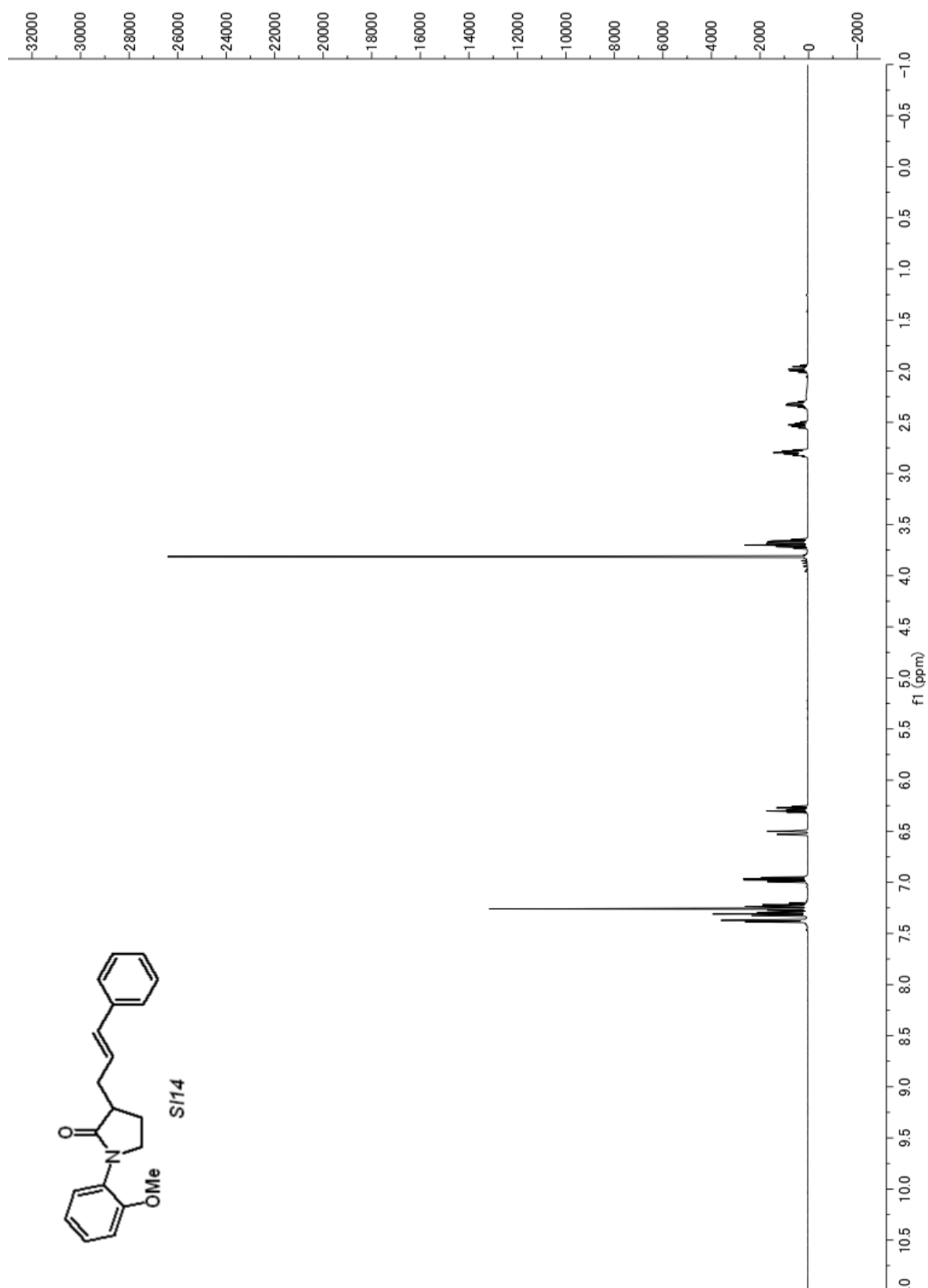




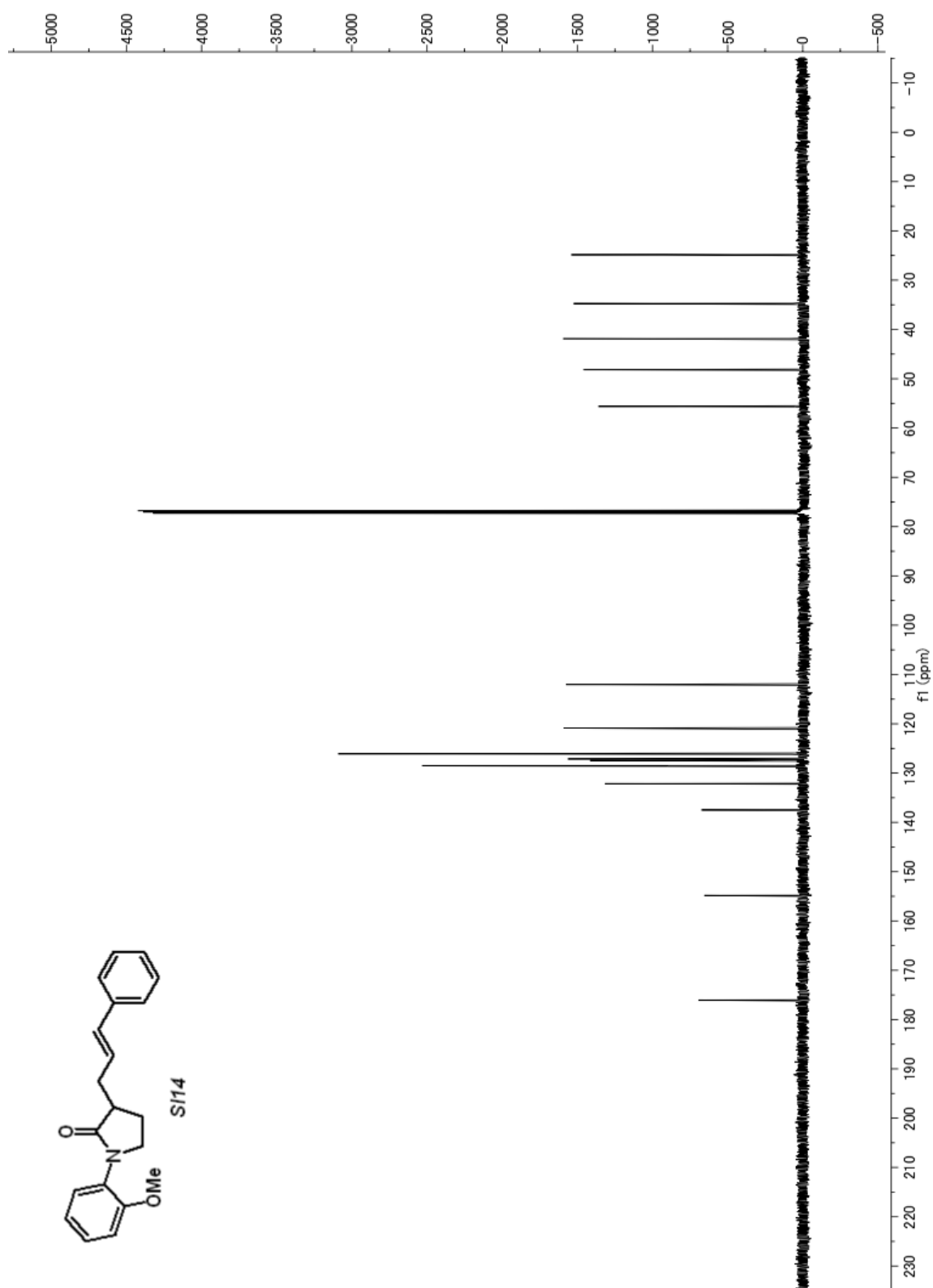
¹H NMR (500 MHz, CDCl₃) of compound **SI13**.



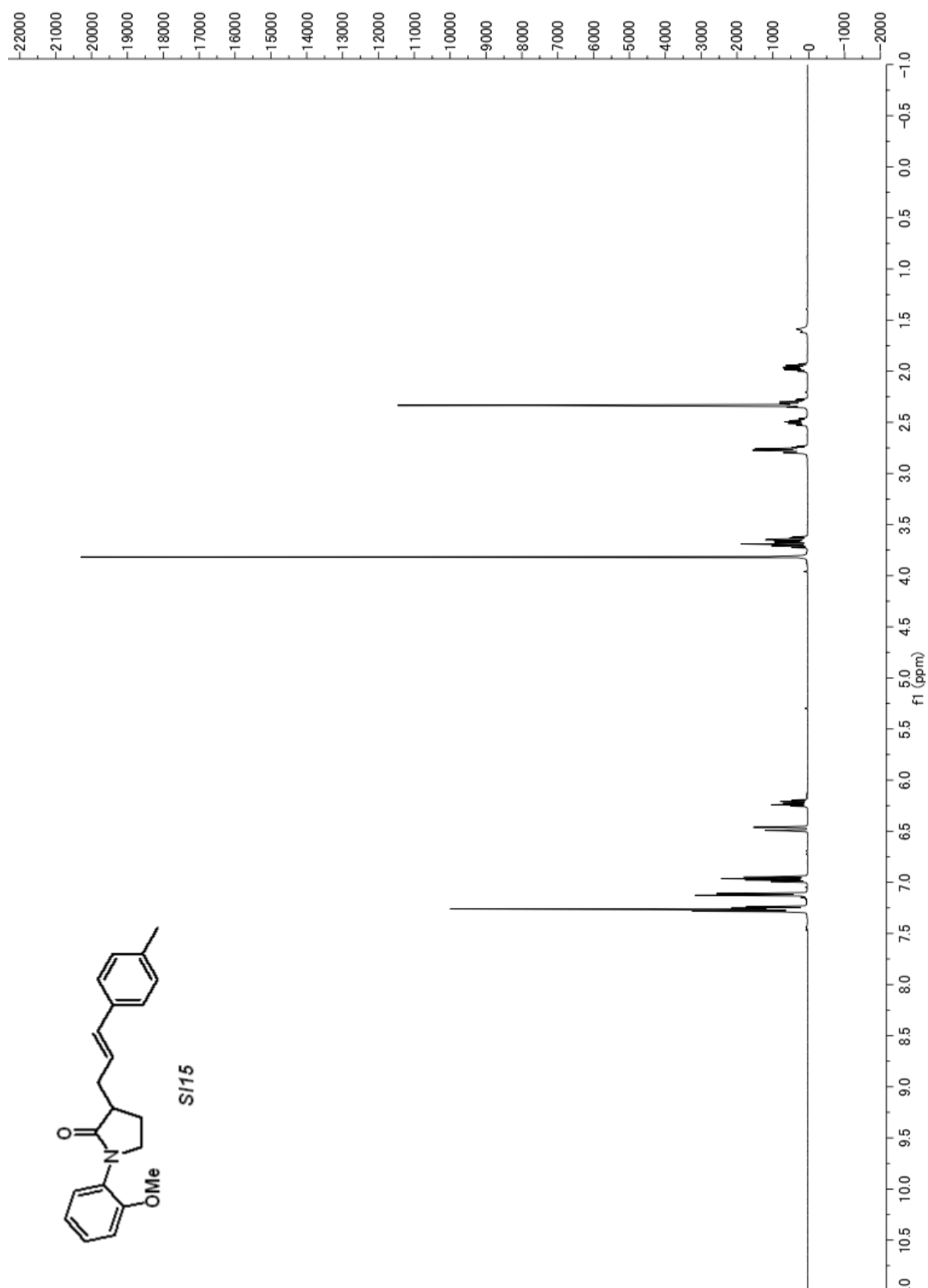
^{13}C NMR (126 MHz, CDCl_3) of compound **SI13**.

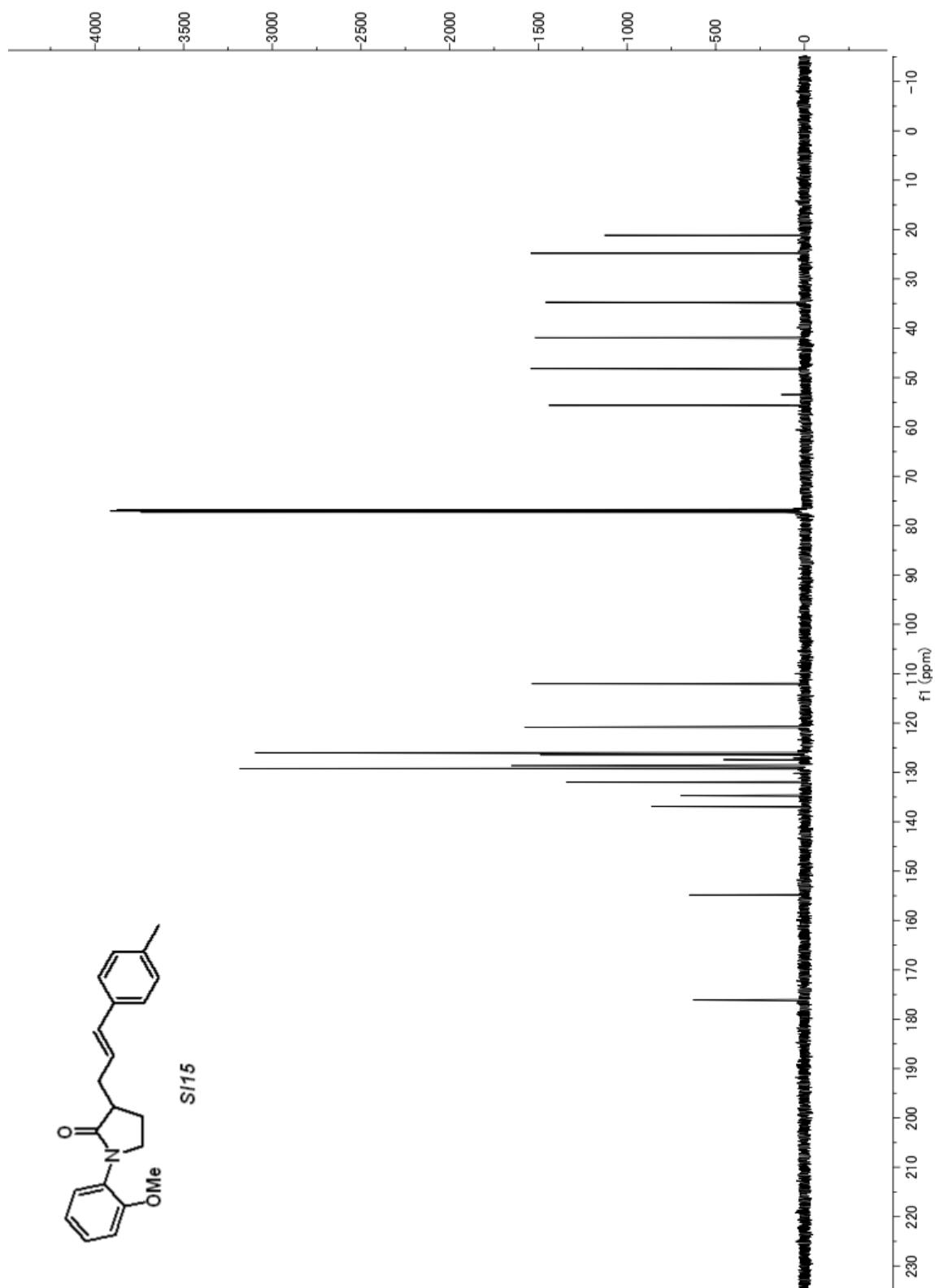


¹H NMR (500 MHz, CDCl₃) of compound **SI14**.

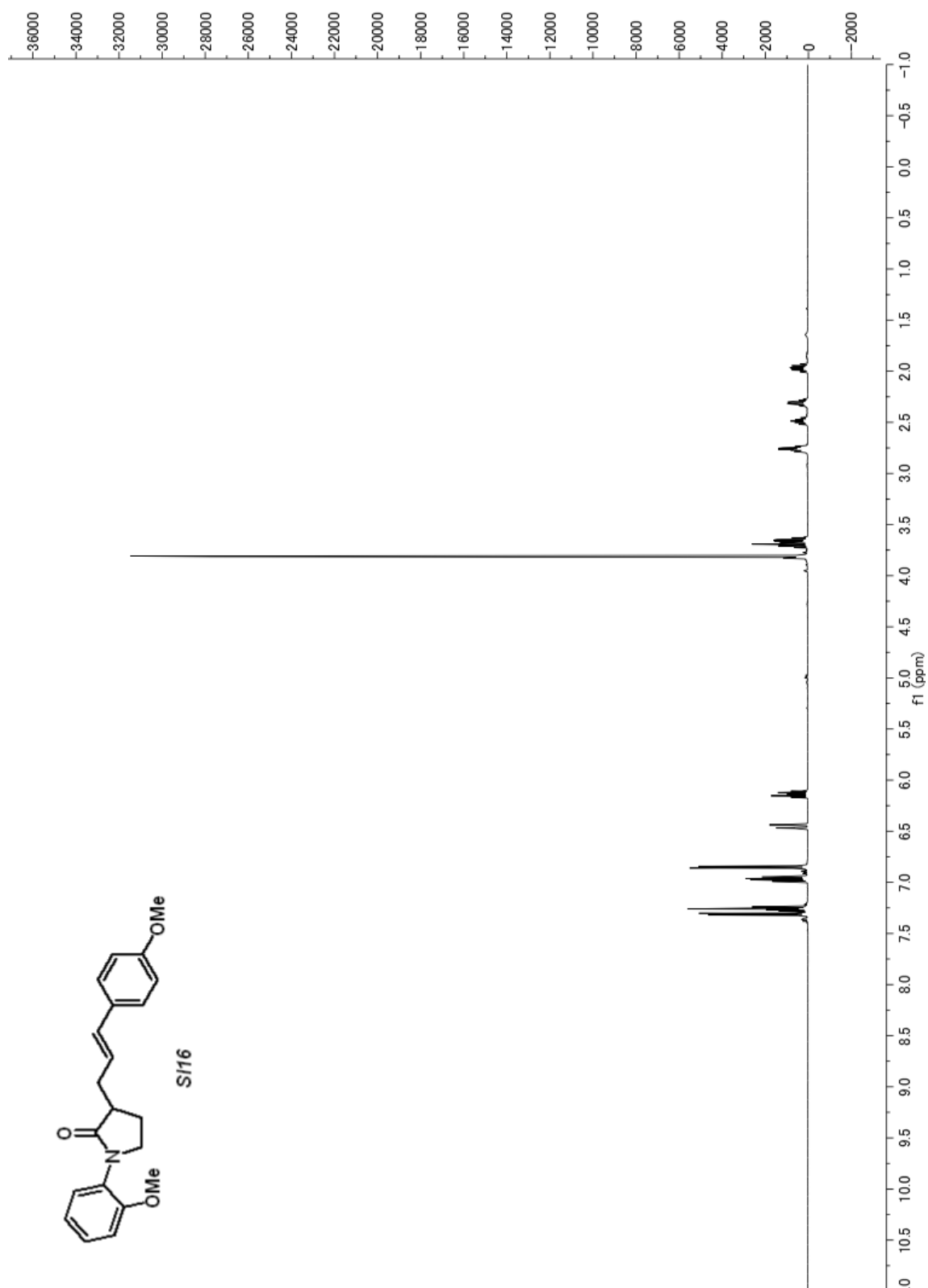


¹³C NMR (126 MHz, CDCl₃) of compound **SI14**.

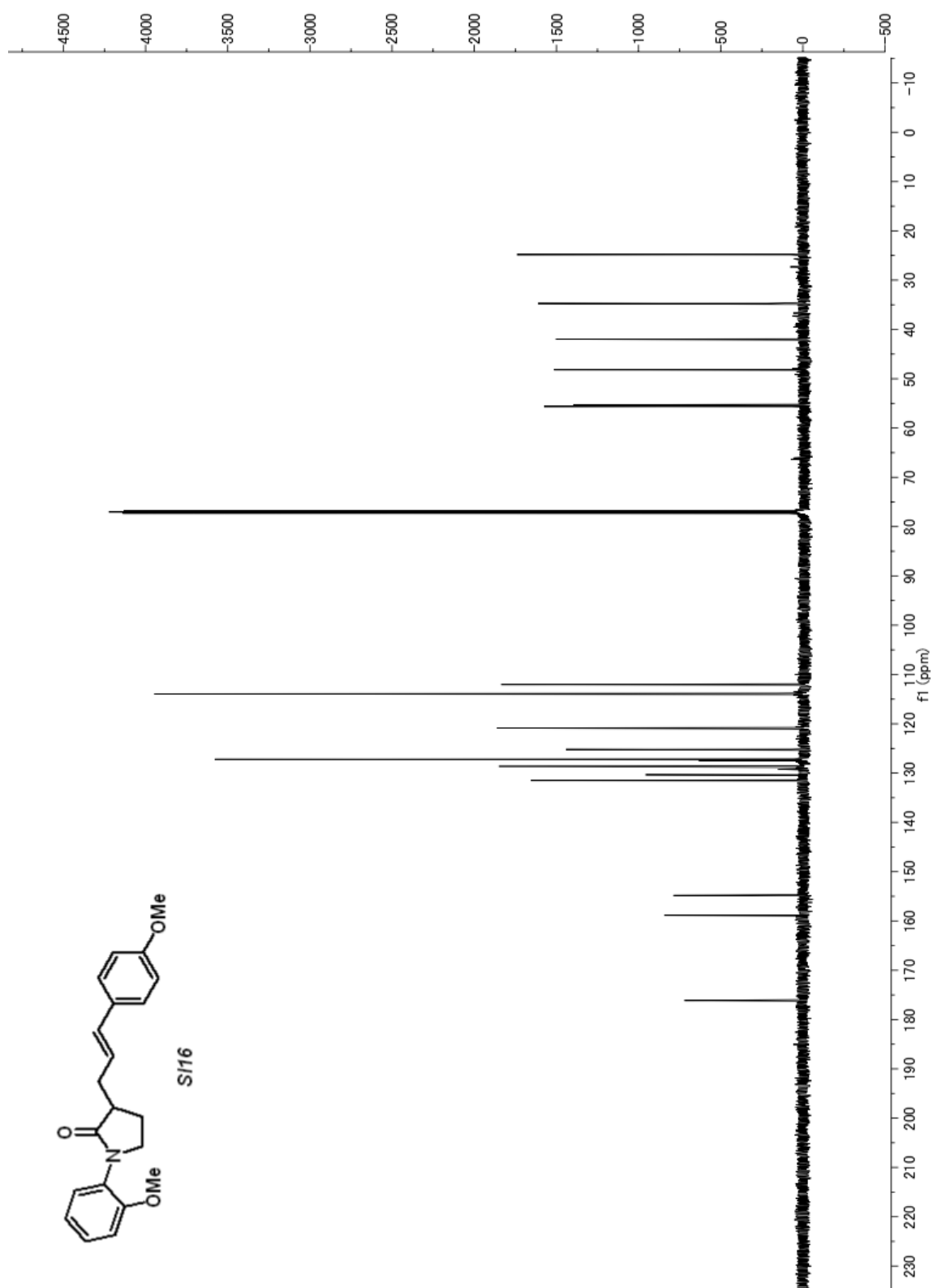
 ^1H NMR (500 MHz, CDCl_3) of compound **SI15**.



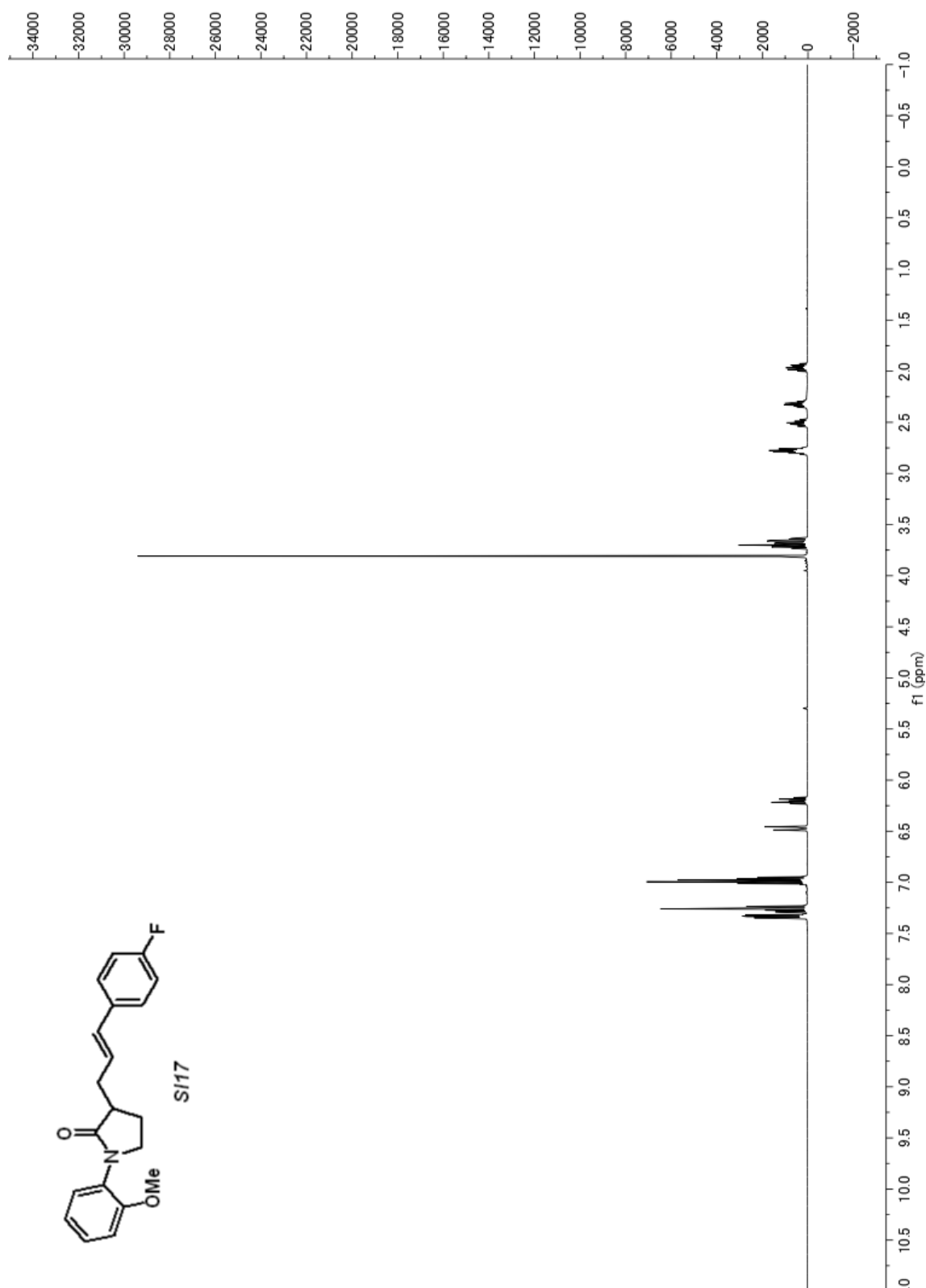
^{13}C NMR (126 MHz, CDCl_3) of compound **SI15**.



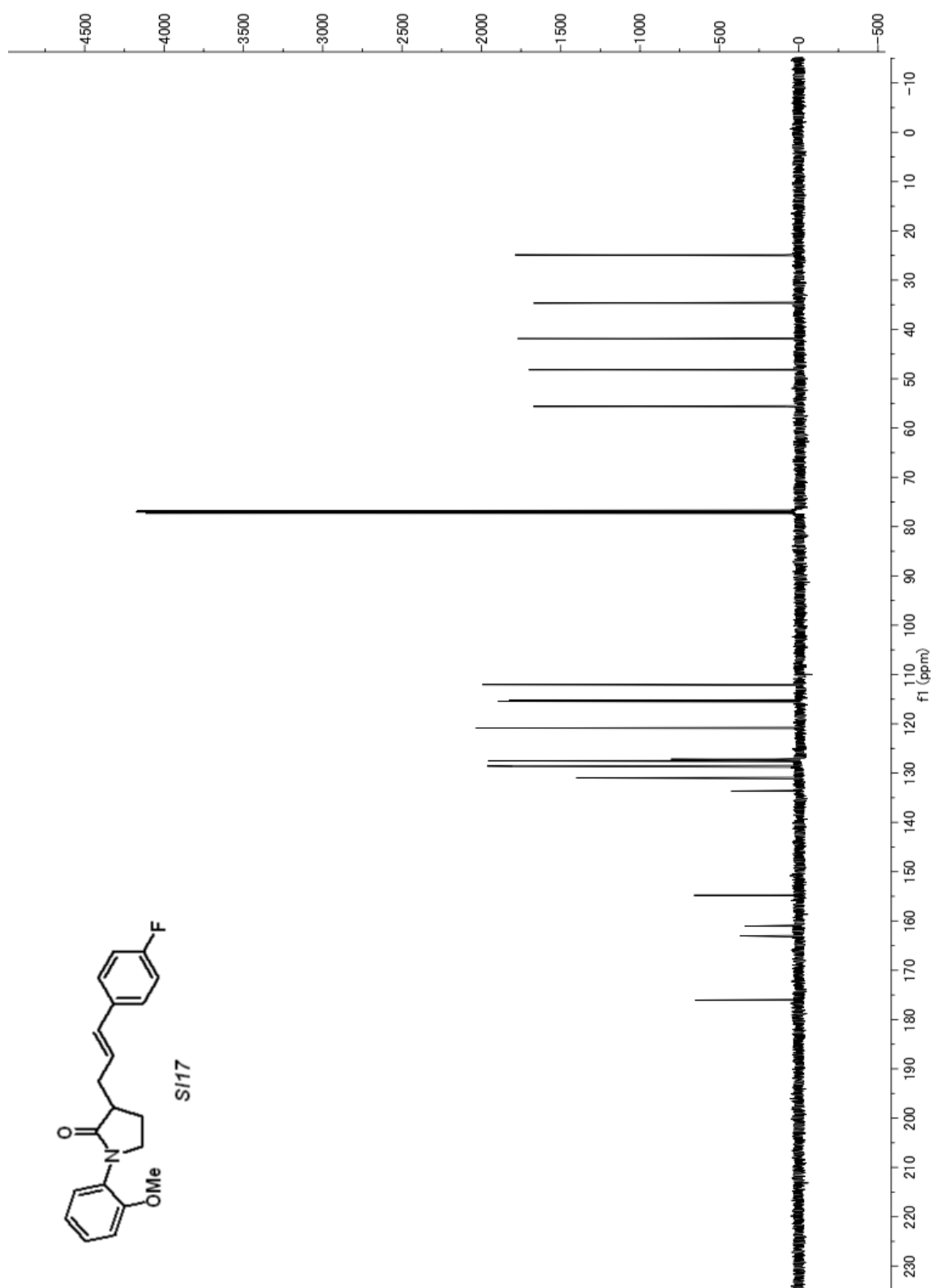
^1H NMR (500 MHz, CDCl_3) of compound **SI16**.



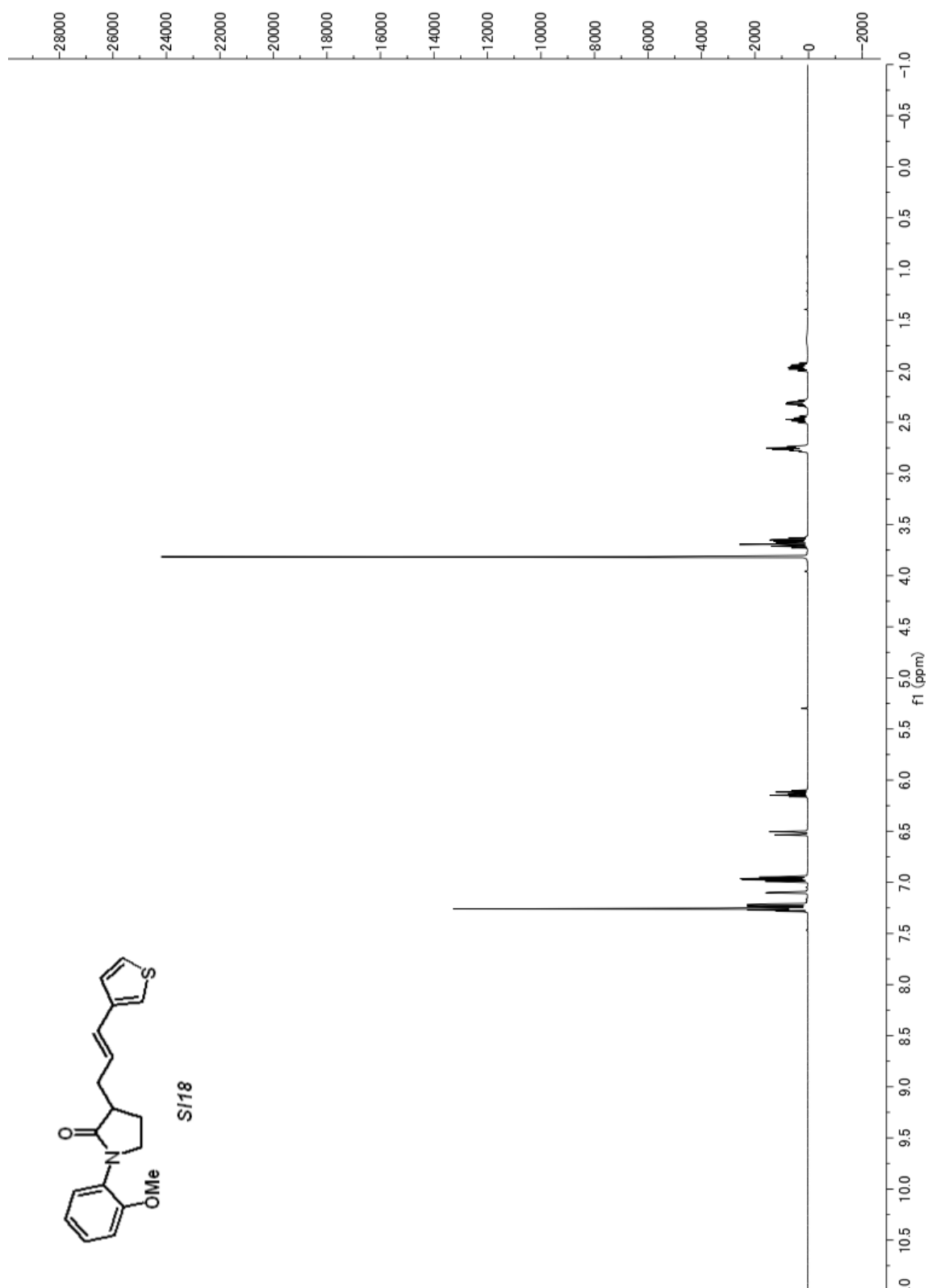
¹³C NMR (126 MHz, CDCl₃) of compound **SI16**.



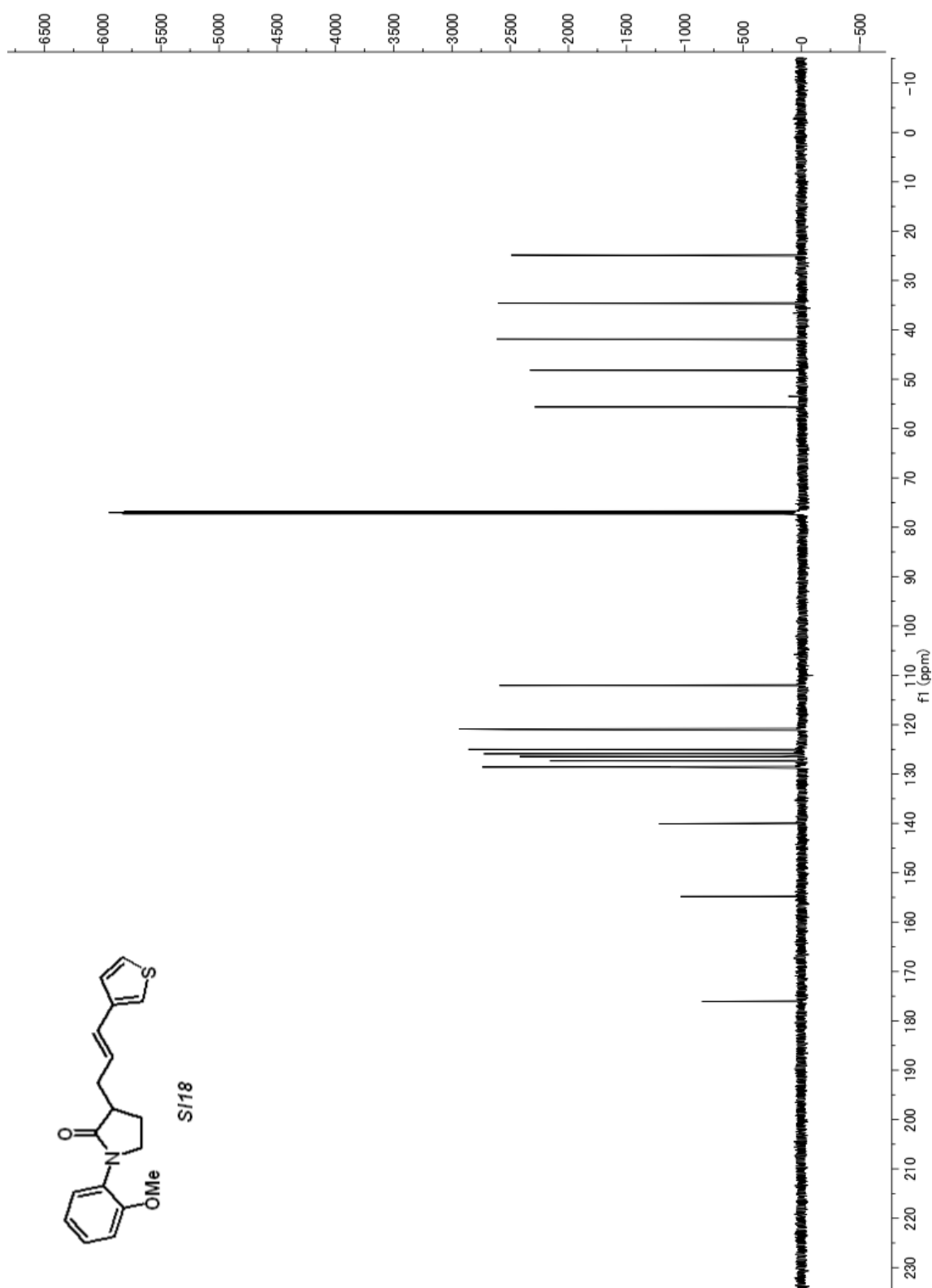
^1H NMR (500 MHz, CDCl_3) of compound **SI17**.



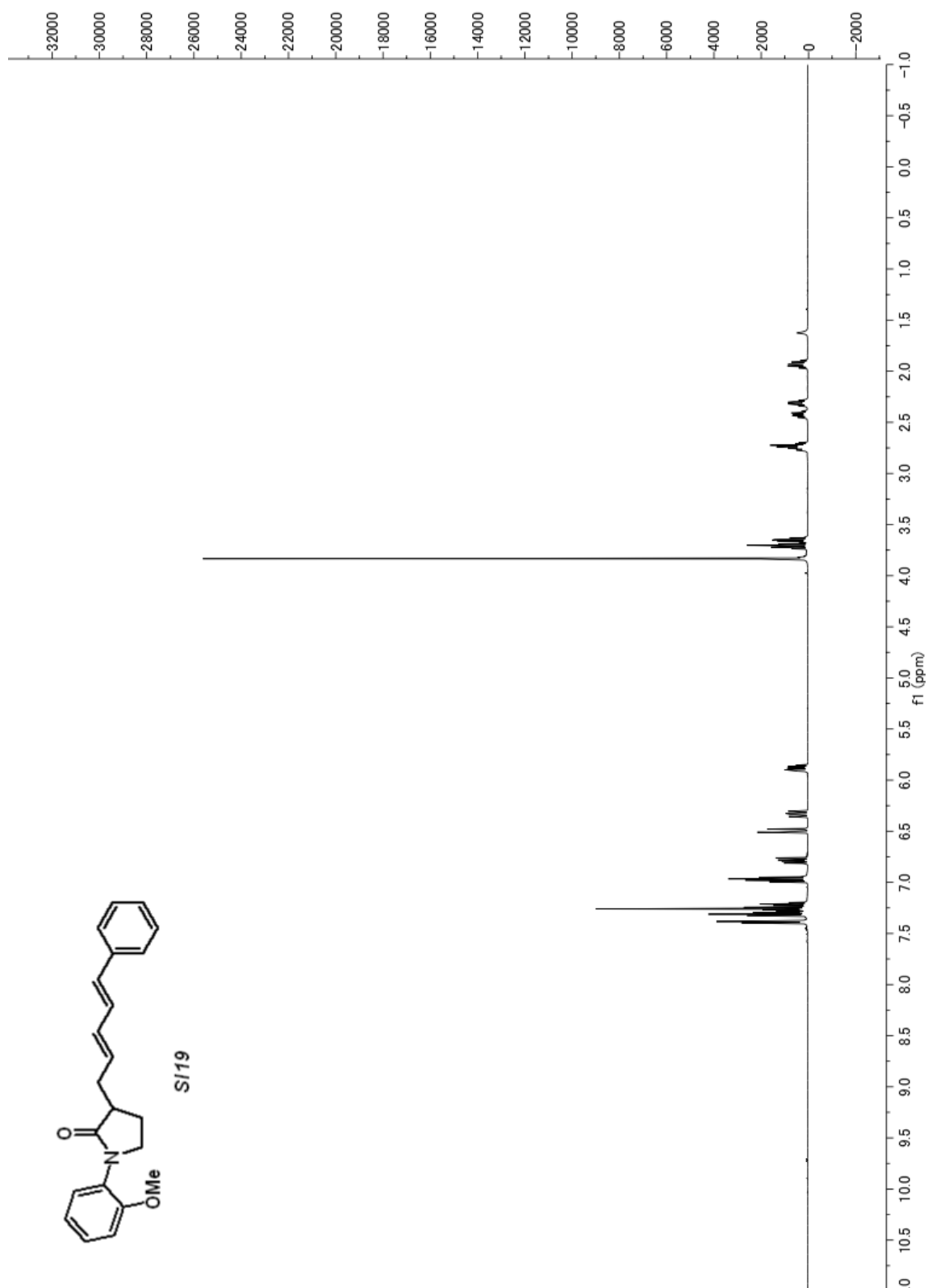
^{13}C NMR (126 MHz, CDCl_3) of compound **SI17**.



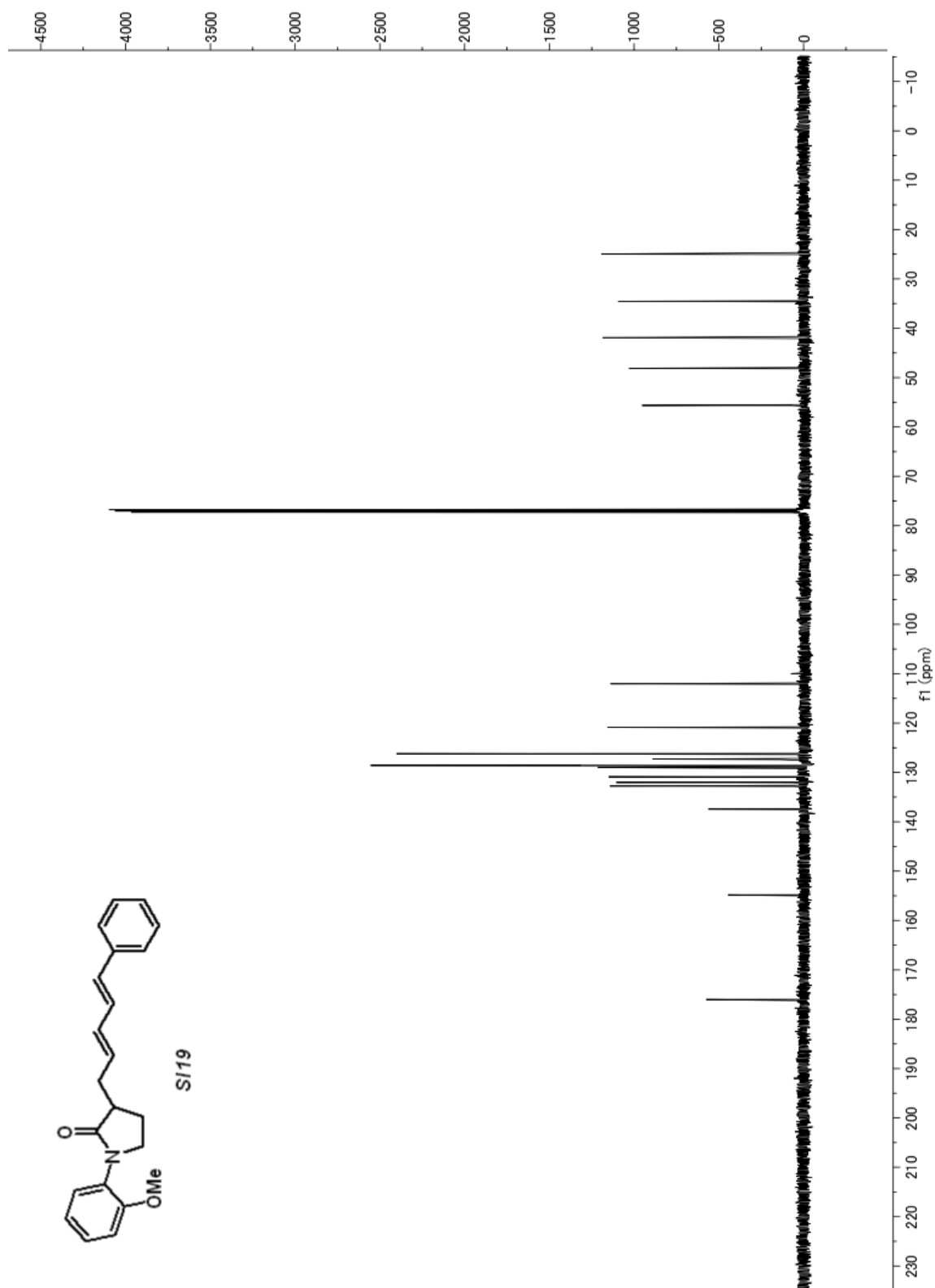
¹H NMR (500 MHz, CDCl₃) of compound **S/18**.



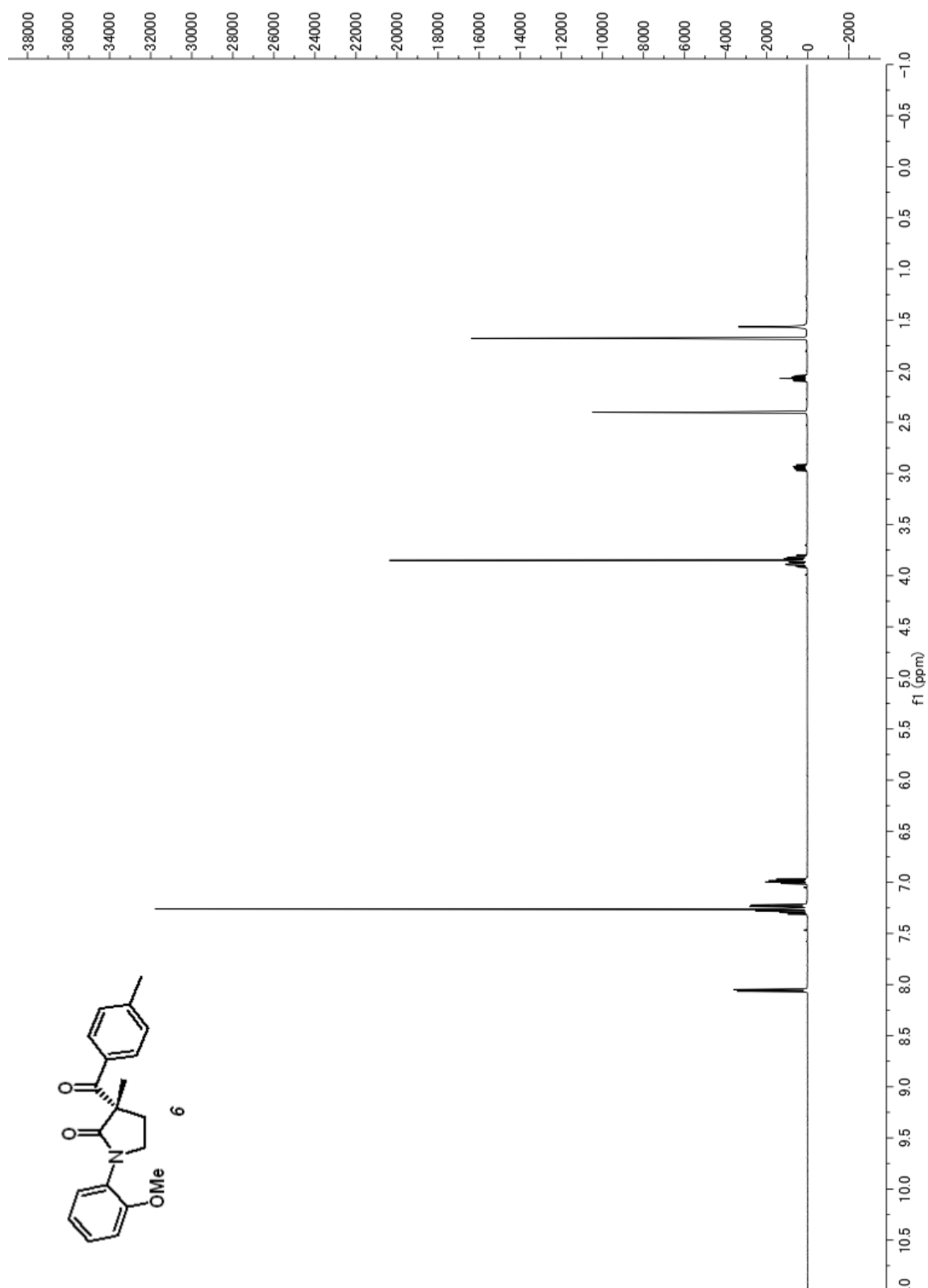
^{13}C NMR (126 MHz, CDCl_3) of compound **S/18**.



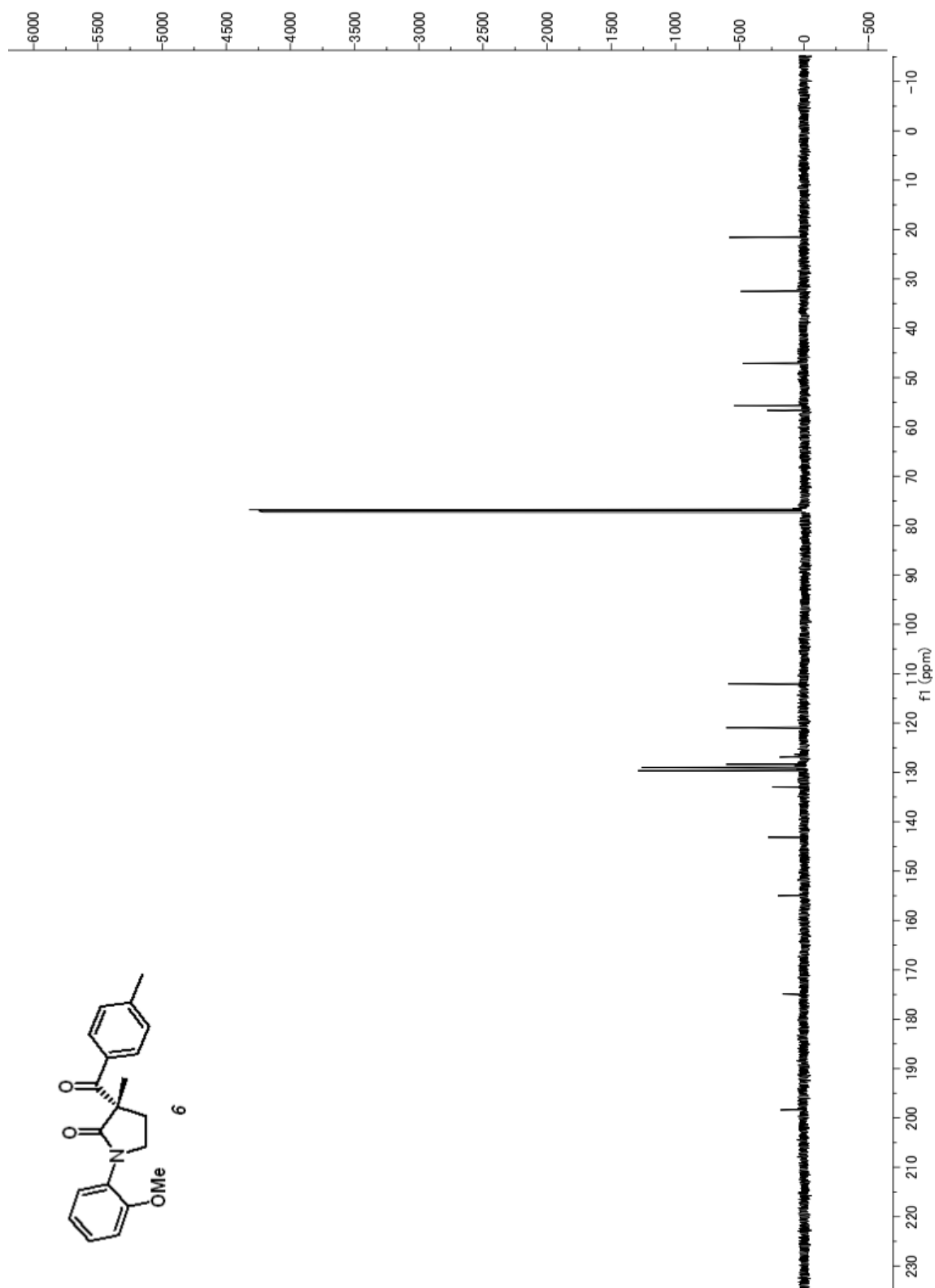
¹H NMR (500 MHz, CDCl₃) of compound **SI19**.



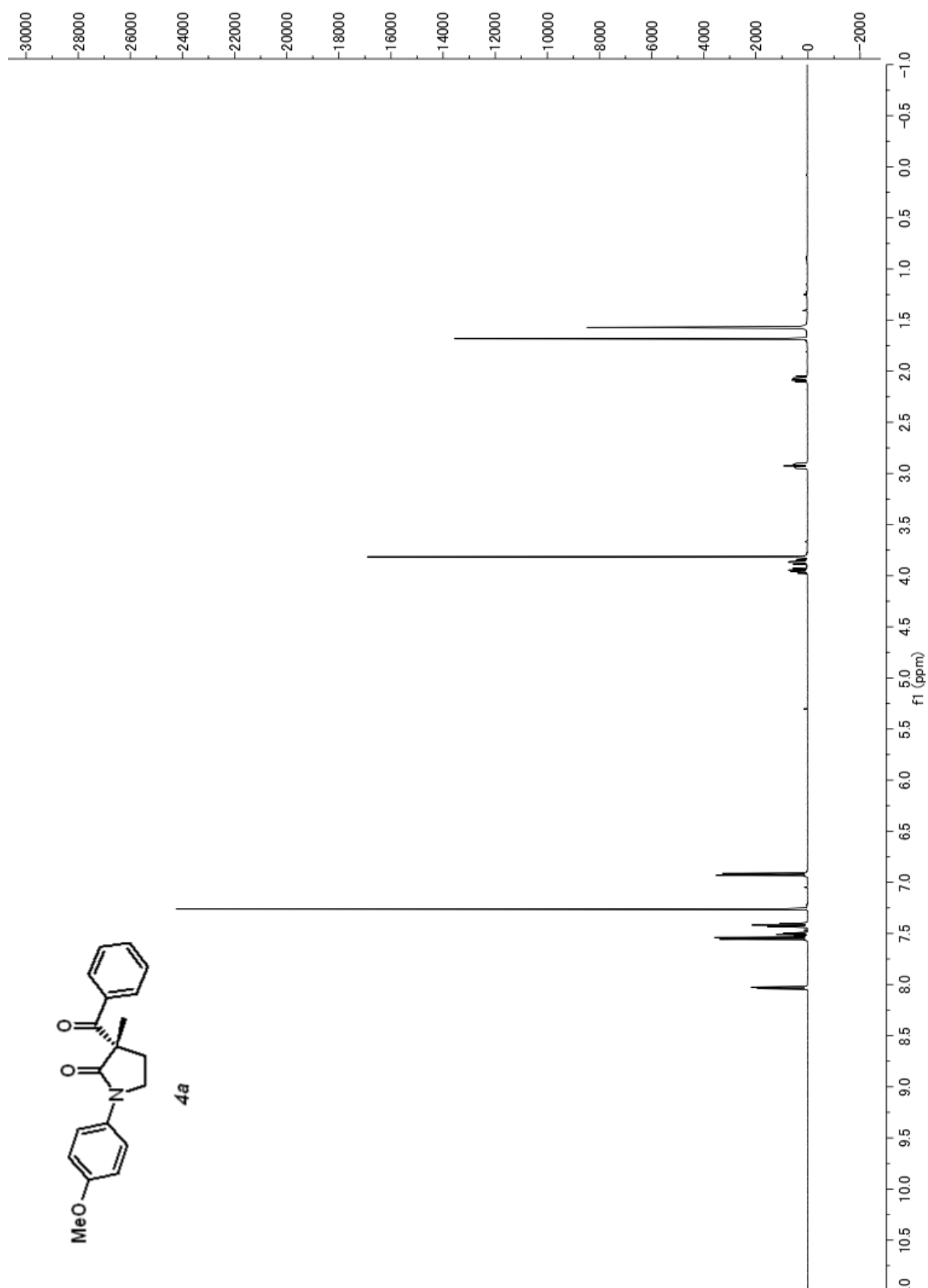
¹³C NMR (126 MHz, CDCl₃) of compound **SI19**.



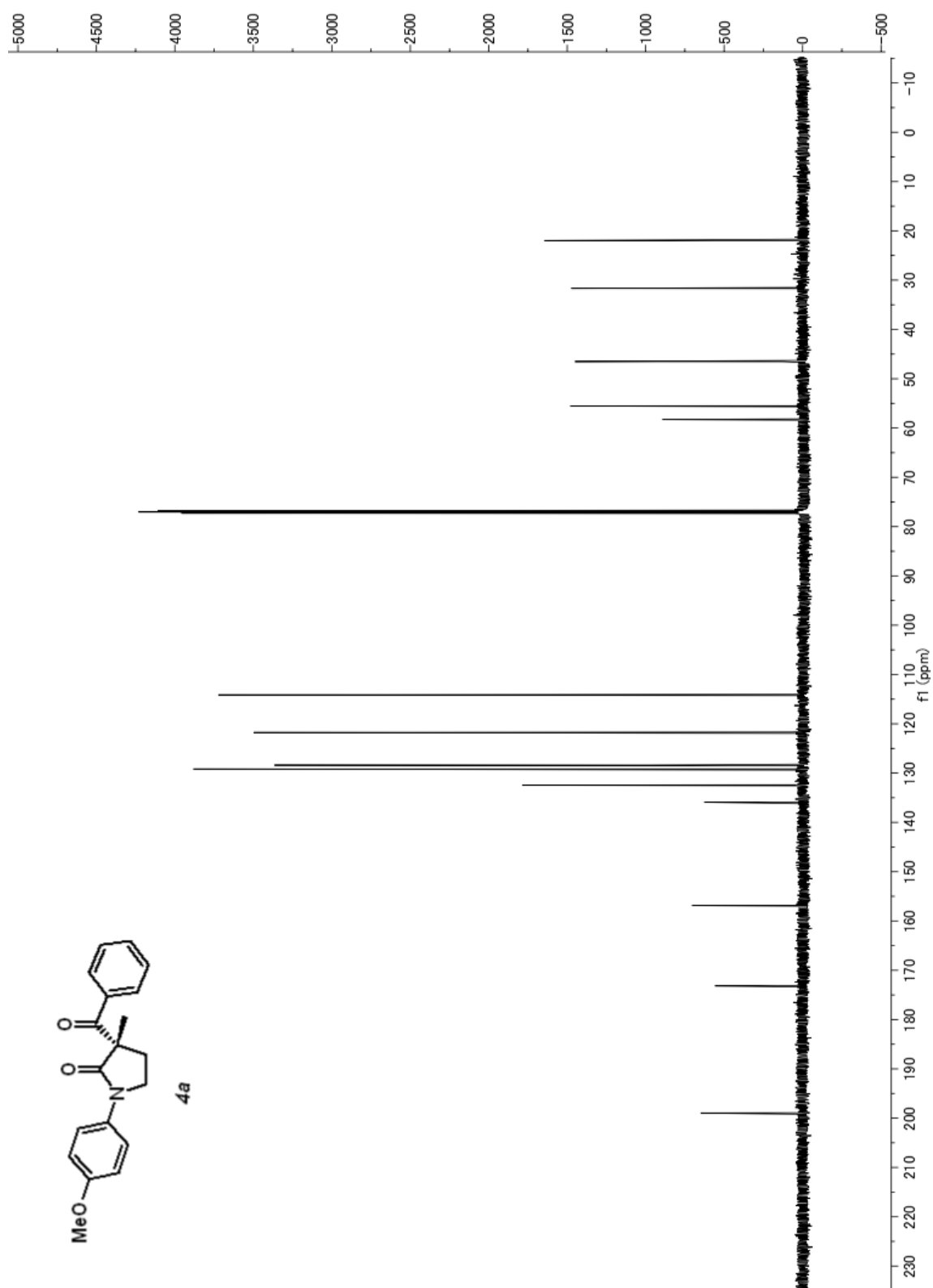
¹H NMR (500 MHz, CDCl₃) of compound **6**.



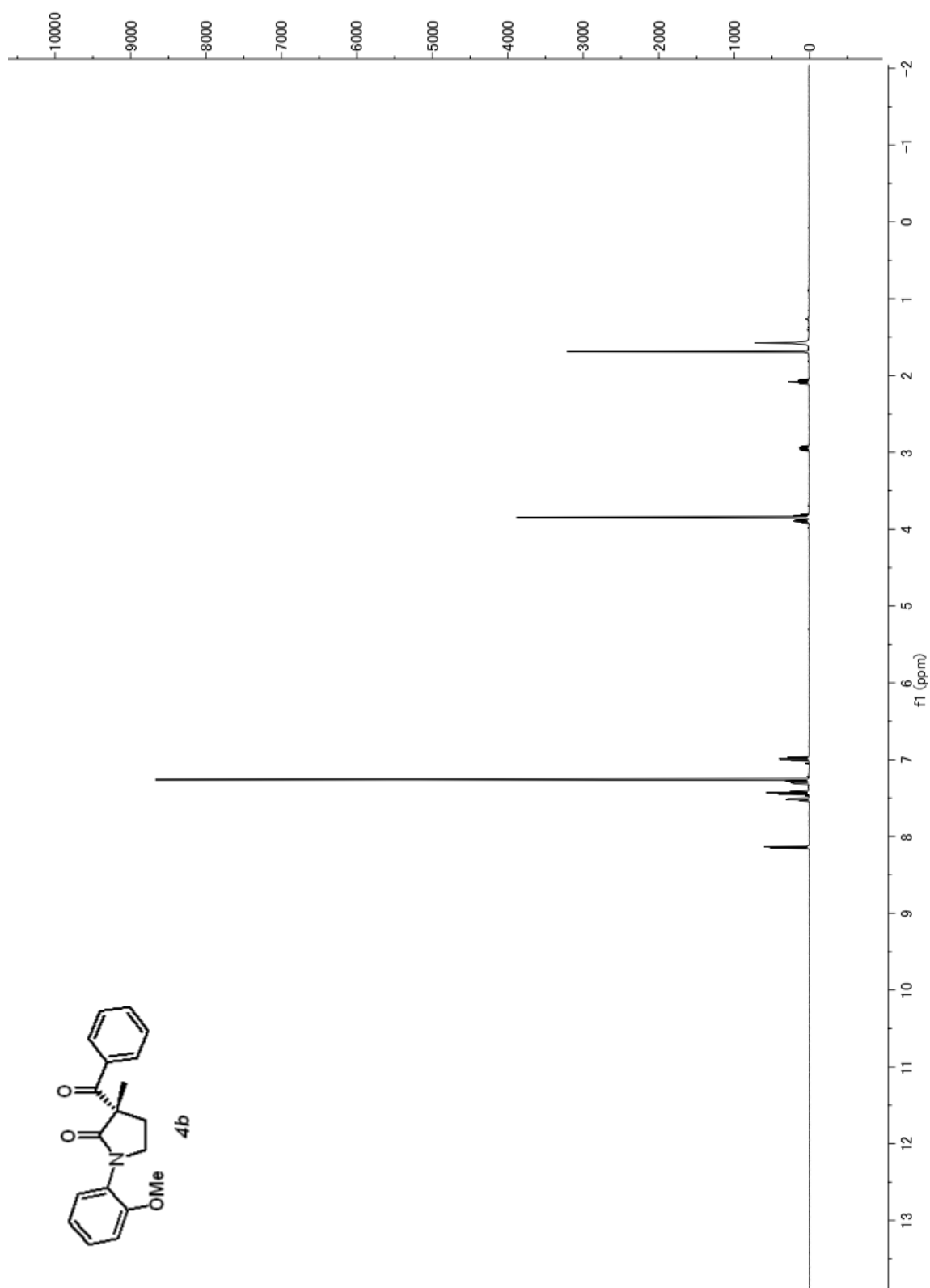
^{13}C NMR (126 MHz, CDCl_3) of compound **6**.



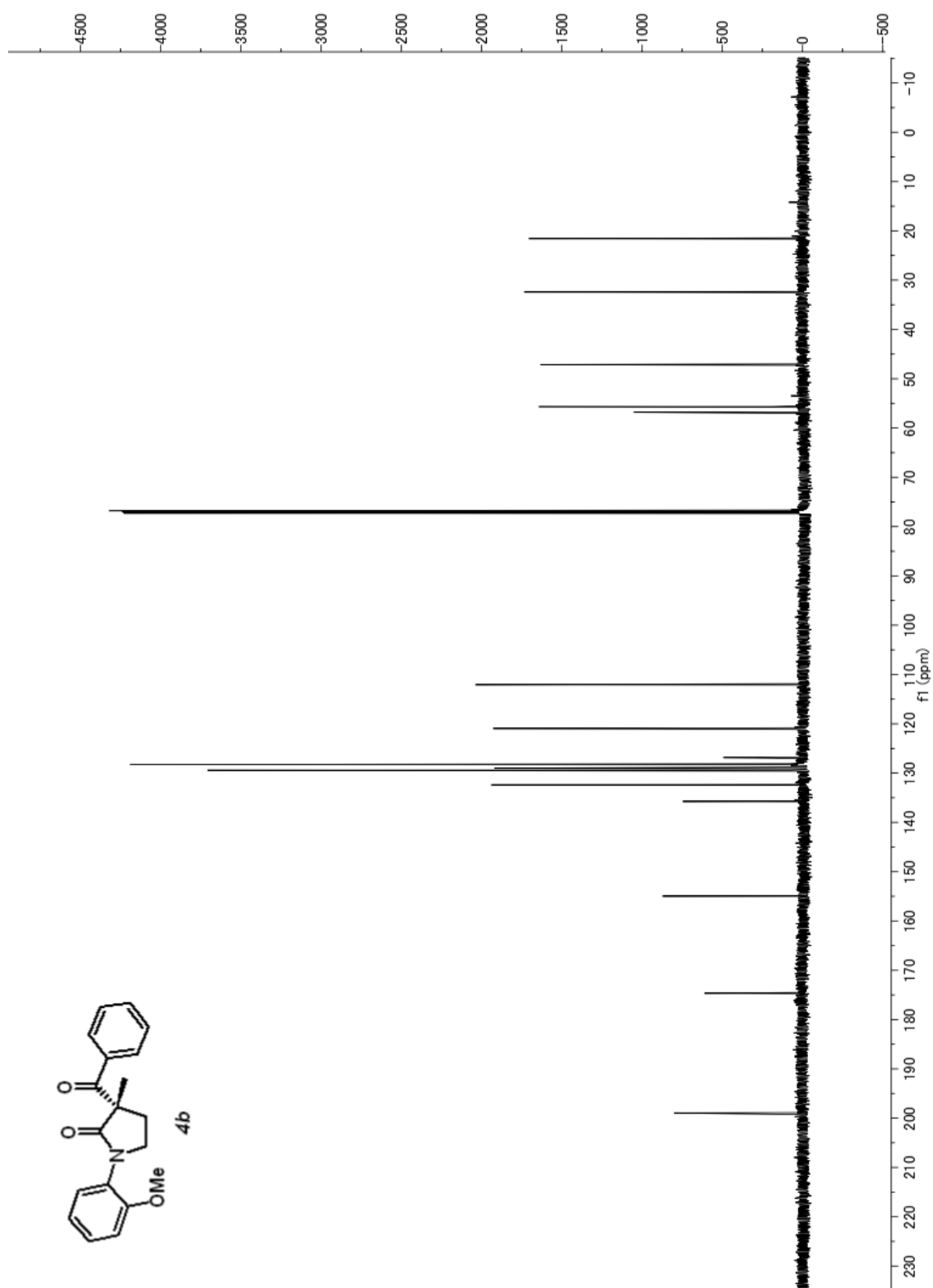
^1H NMR (500 MHz, CDCl_3) of compound **4a**.



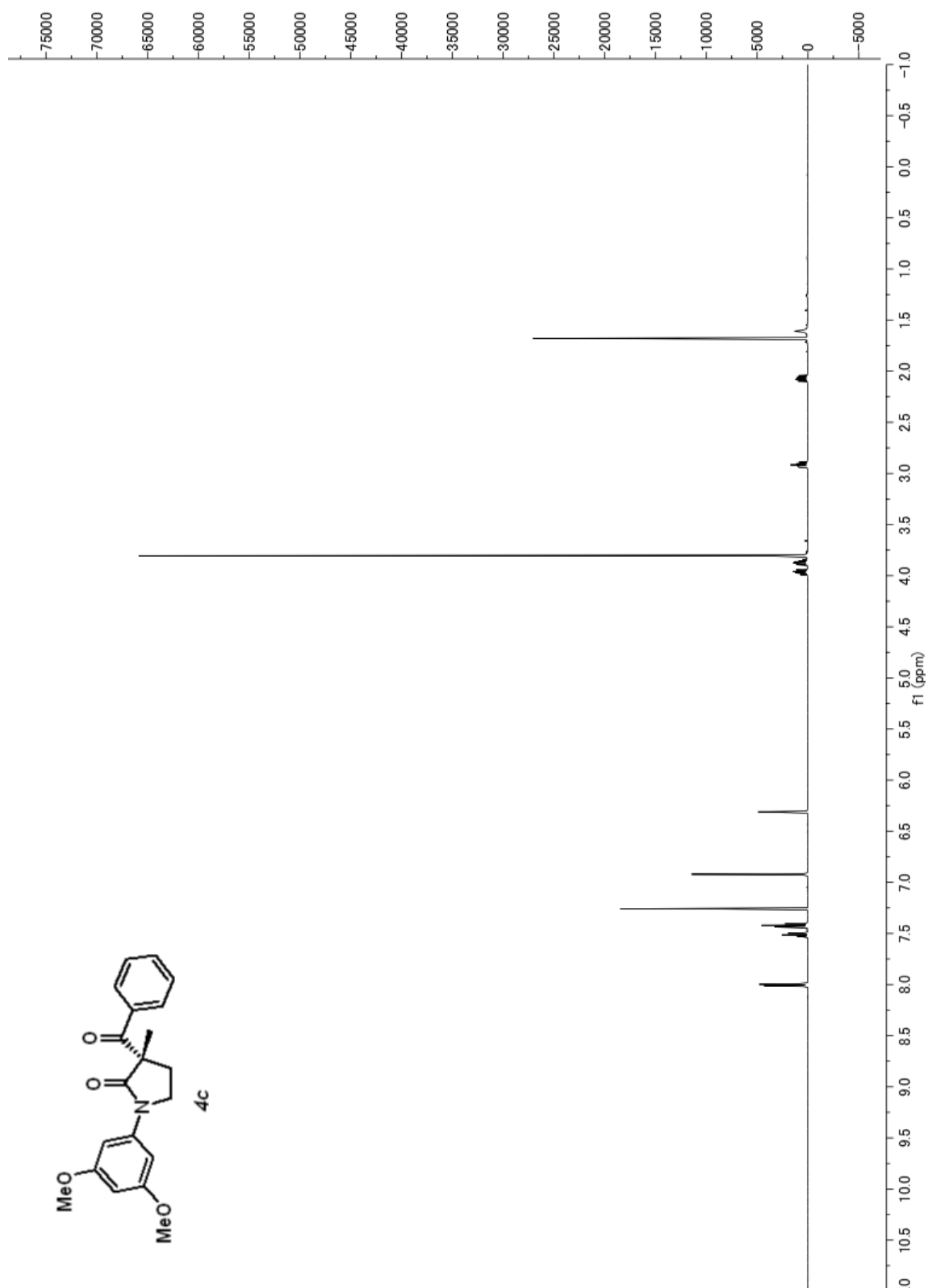
¹³C NMR (126 MHz, CDCl₃) of compound **4a**.



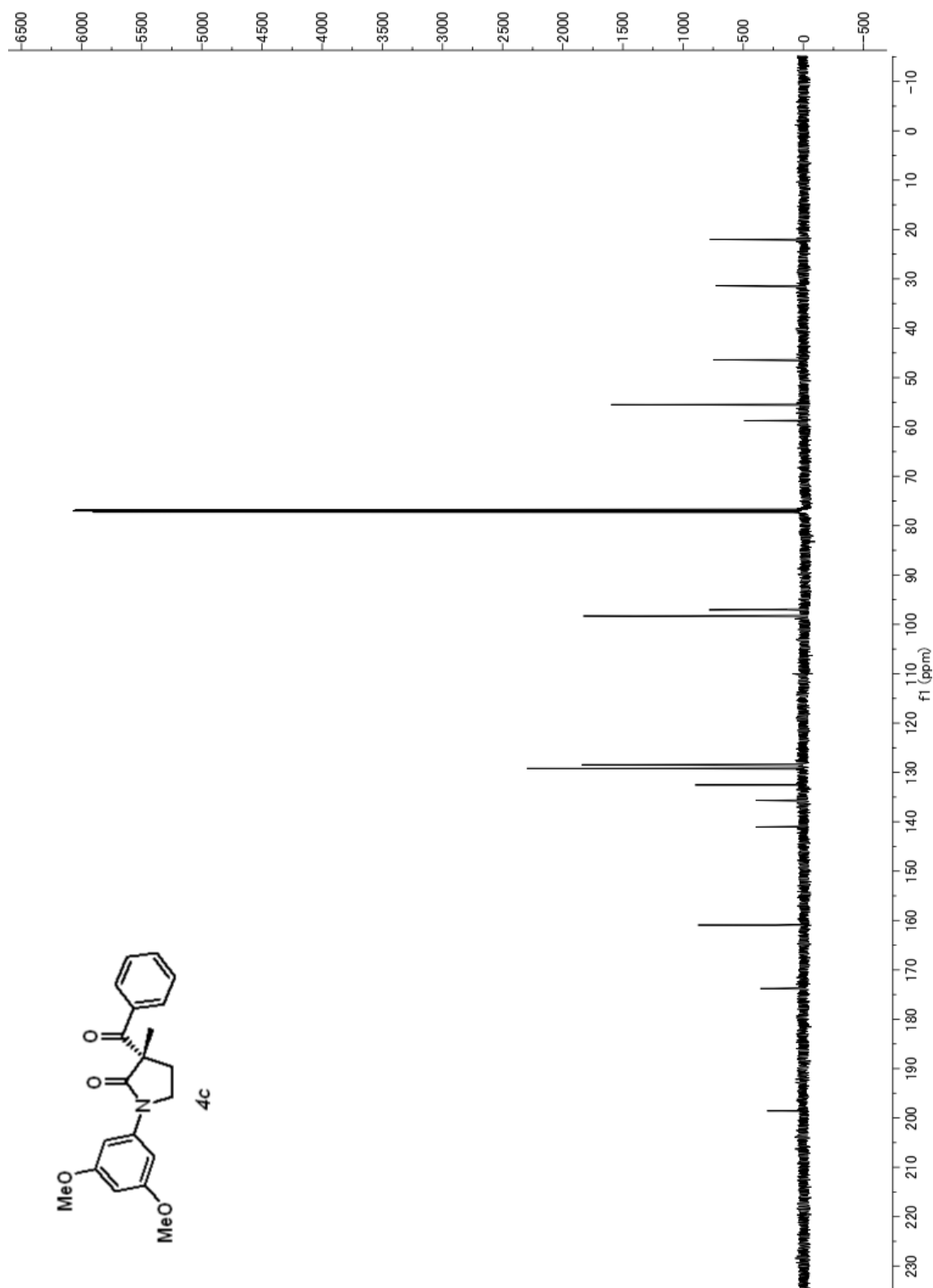
¹H NMR (500 MHz, CDCl₃) of compound **4b**.



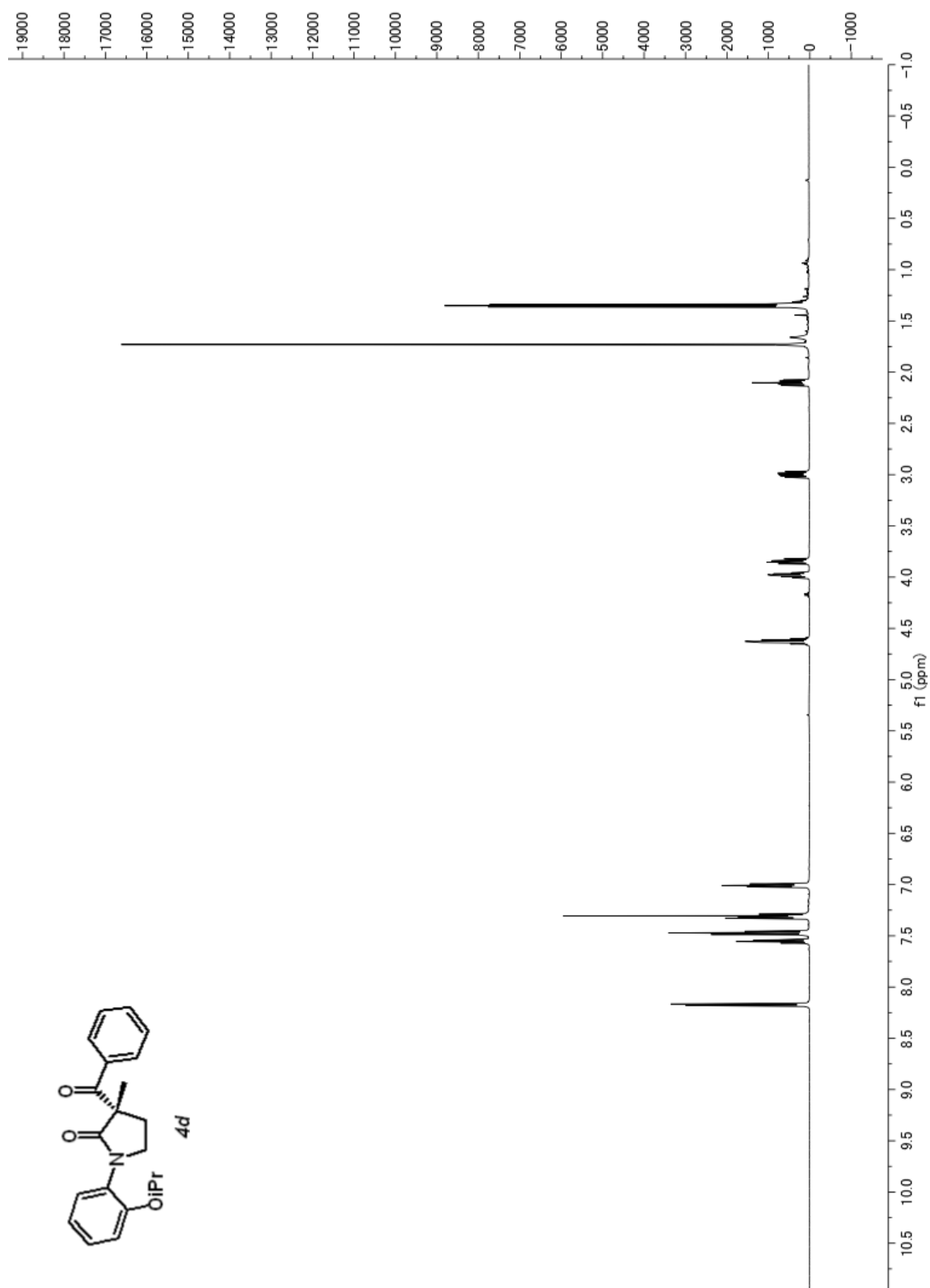
¹³C NMR (126 MHz, CDCl₃) of compound **4b**.



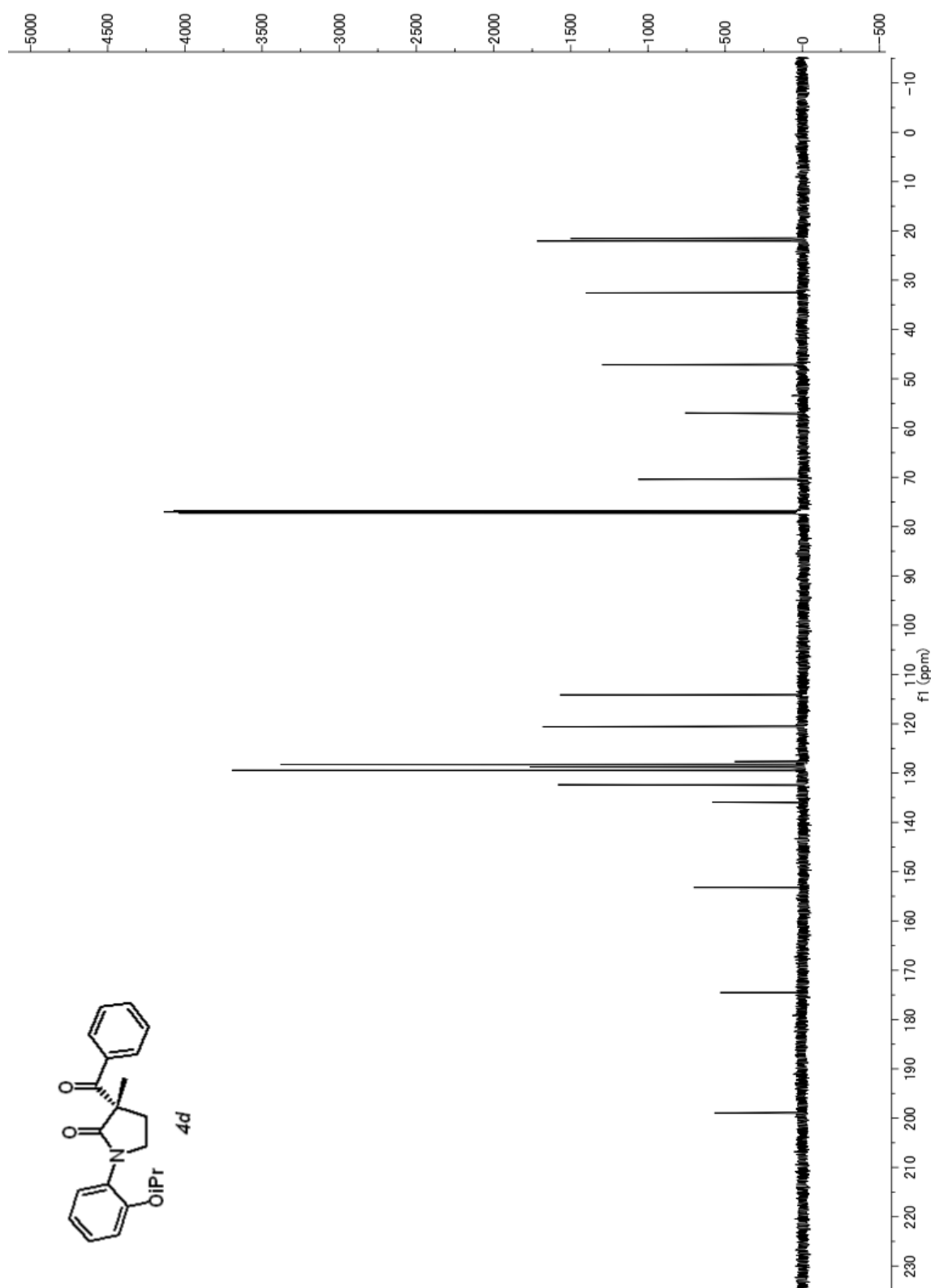
¹H NMR (500 MHz, CDCl₃) of compound **4c**.



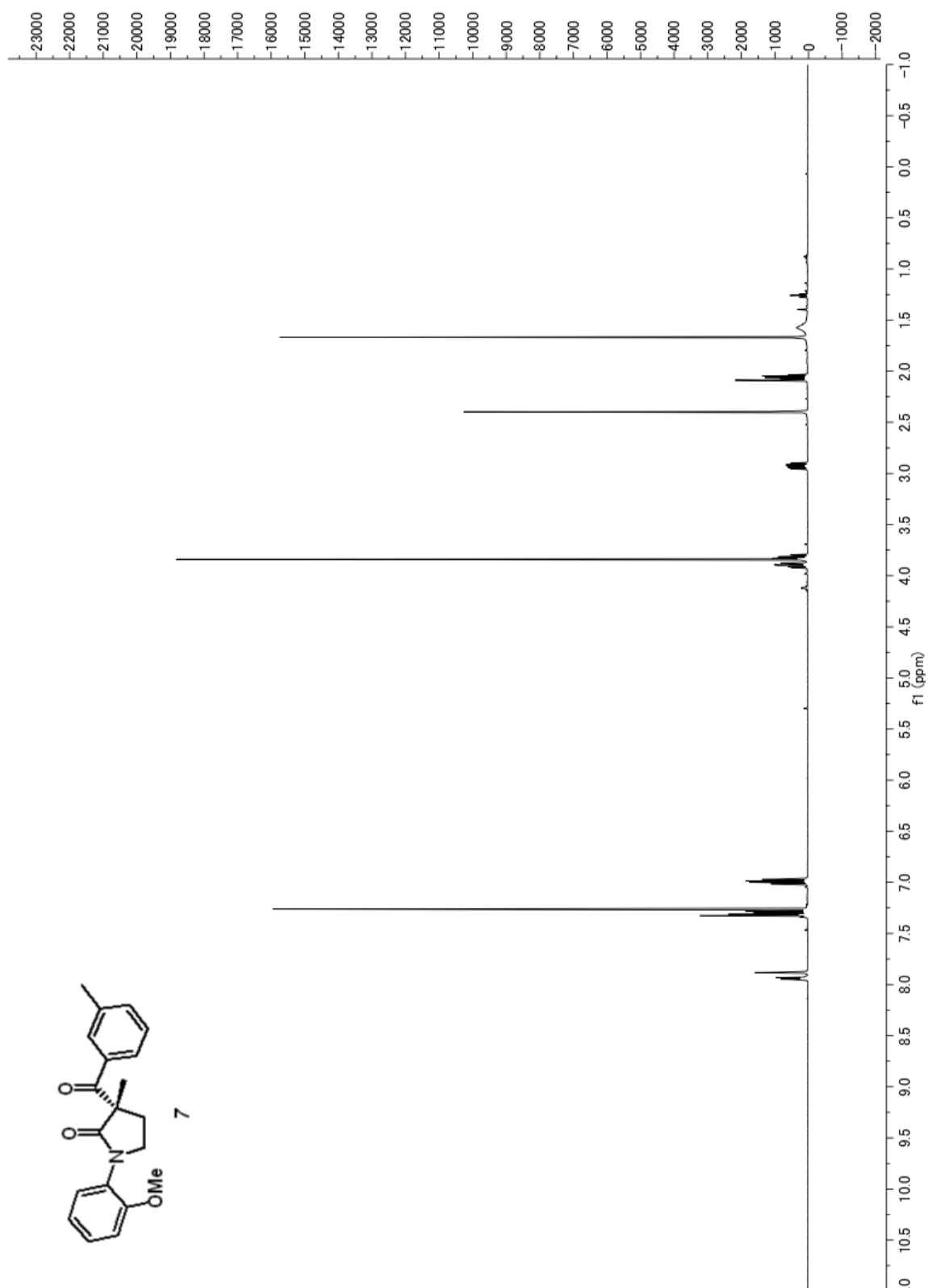
¹³C NMR (126 MHz, CDCl₃) of compound **4c**.



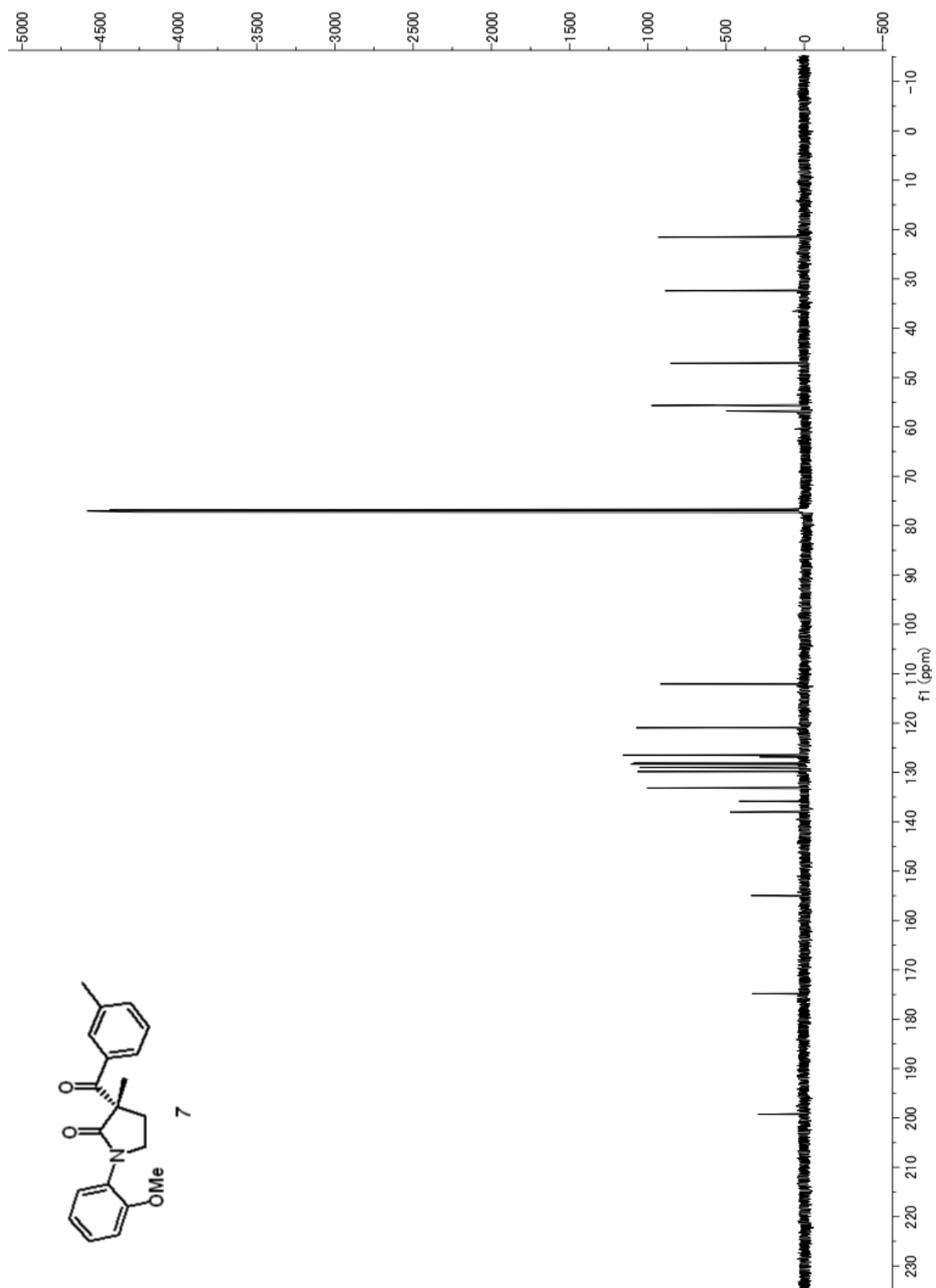
¹H NMR (500 MHz, CDCl₃) of compound **4d**.



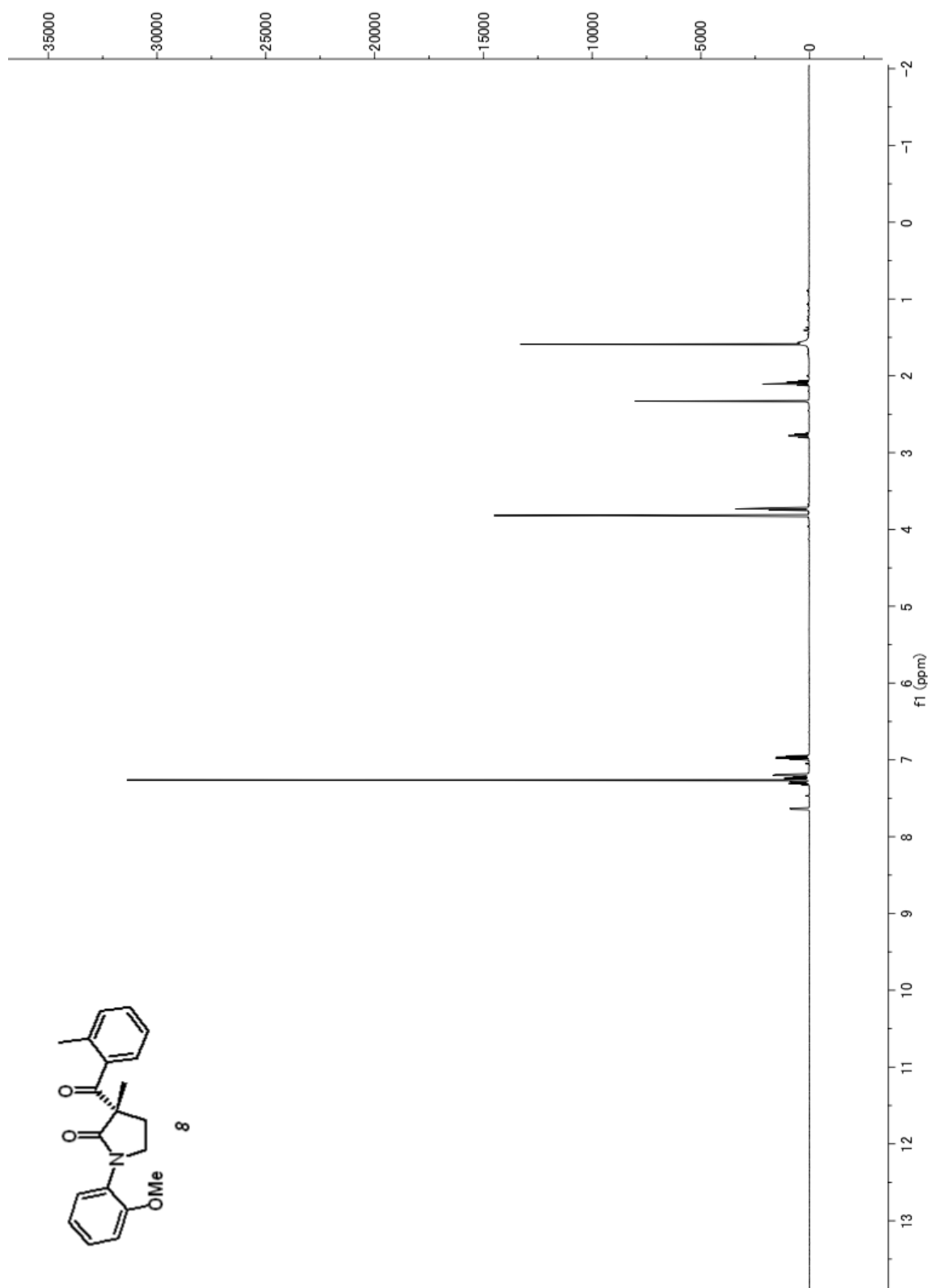
^{13}C NMR (126 MHz, CDCl_3) of compound **4d**.



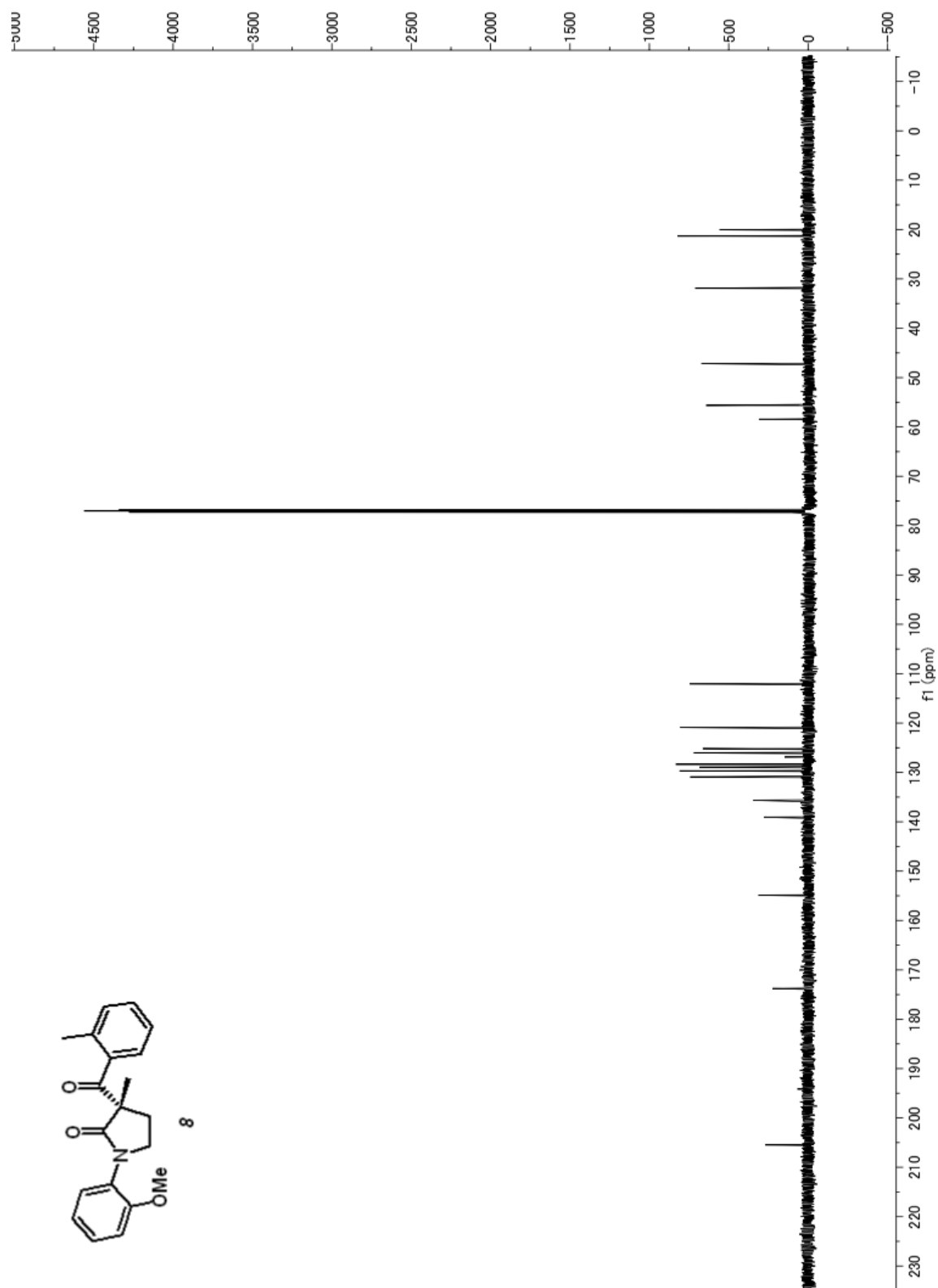
¹H NMR (500 MHz, CDCl₃) of compound 7.



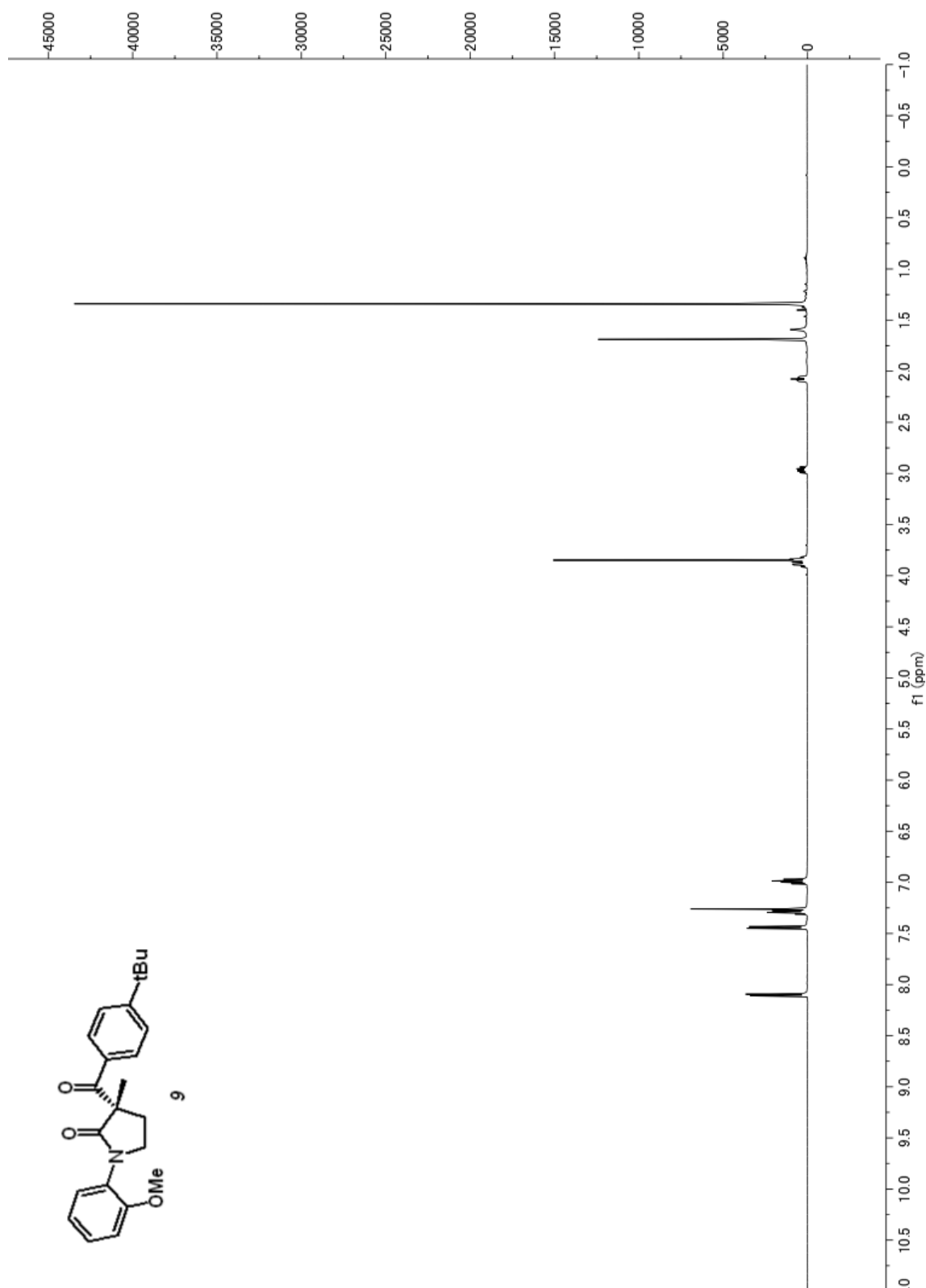
^{13}C NMR (126 MHz, CDCl_3) of compound **7**.



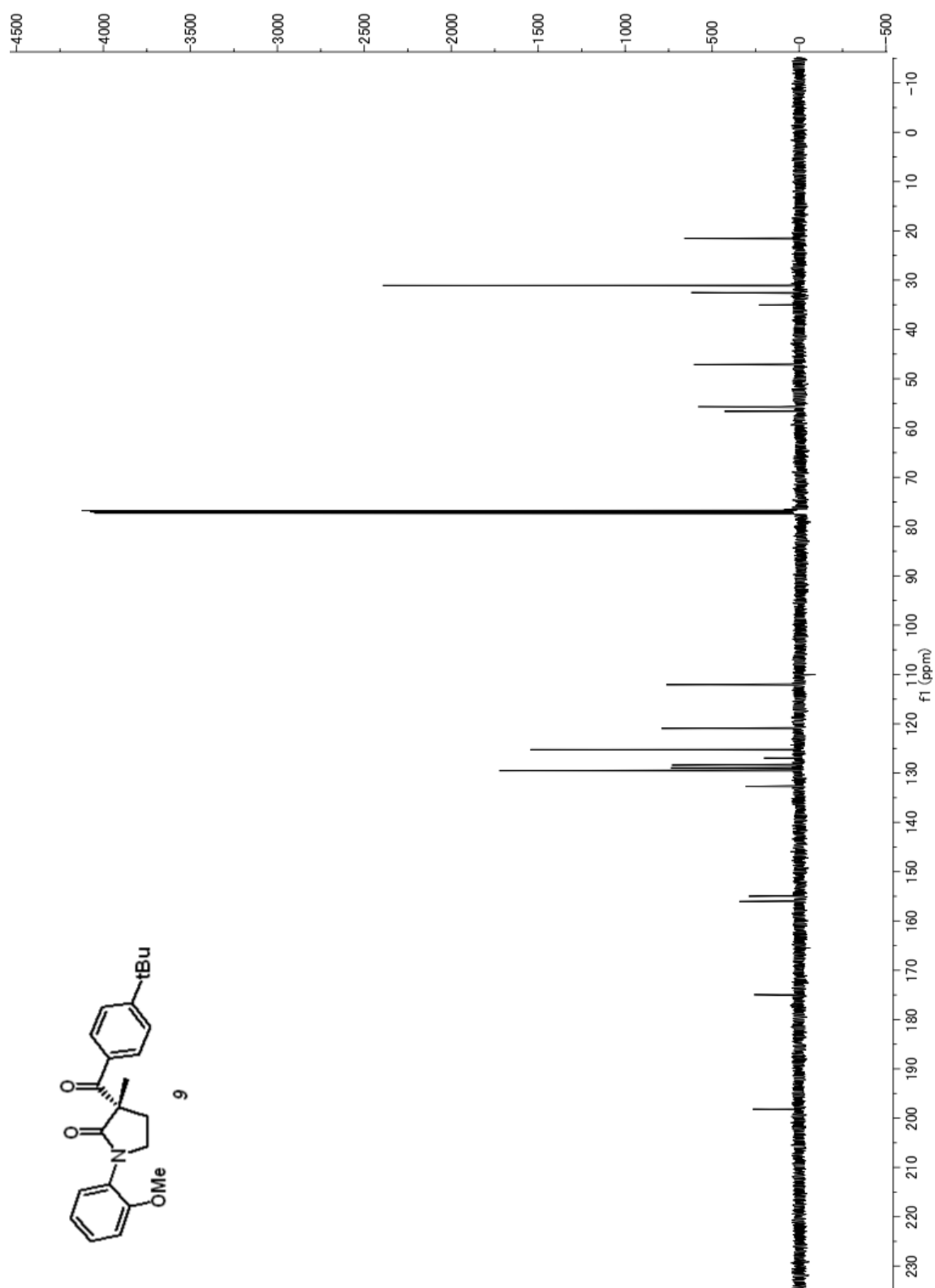
¹H NMR (500 MHz, CDCl₃) of compound **8**.



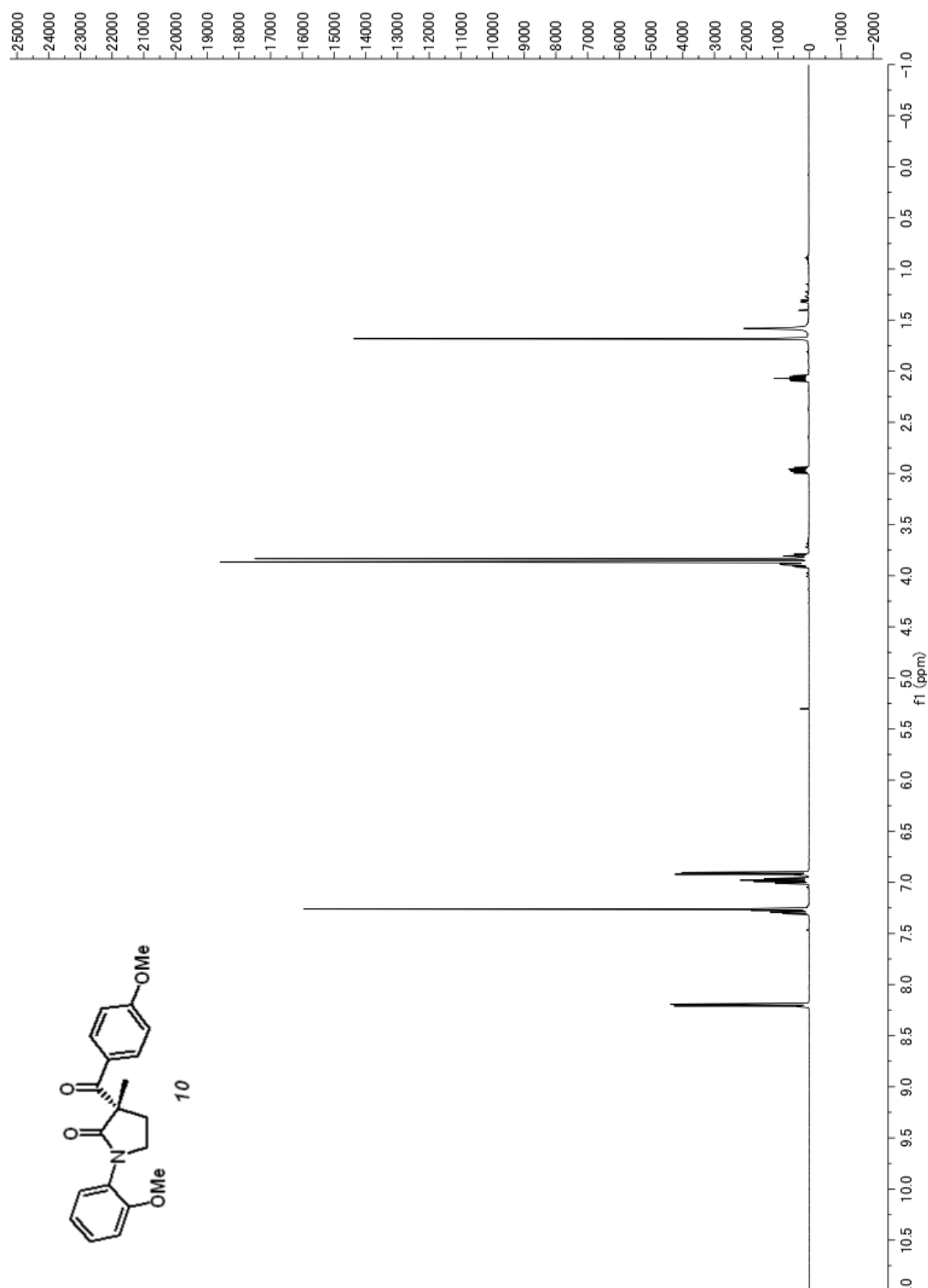
¹³C NMR (126 MHz, CDCl₃) of compound **8**.



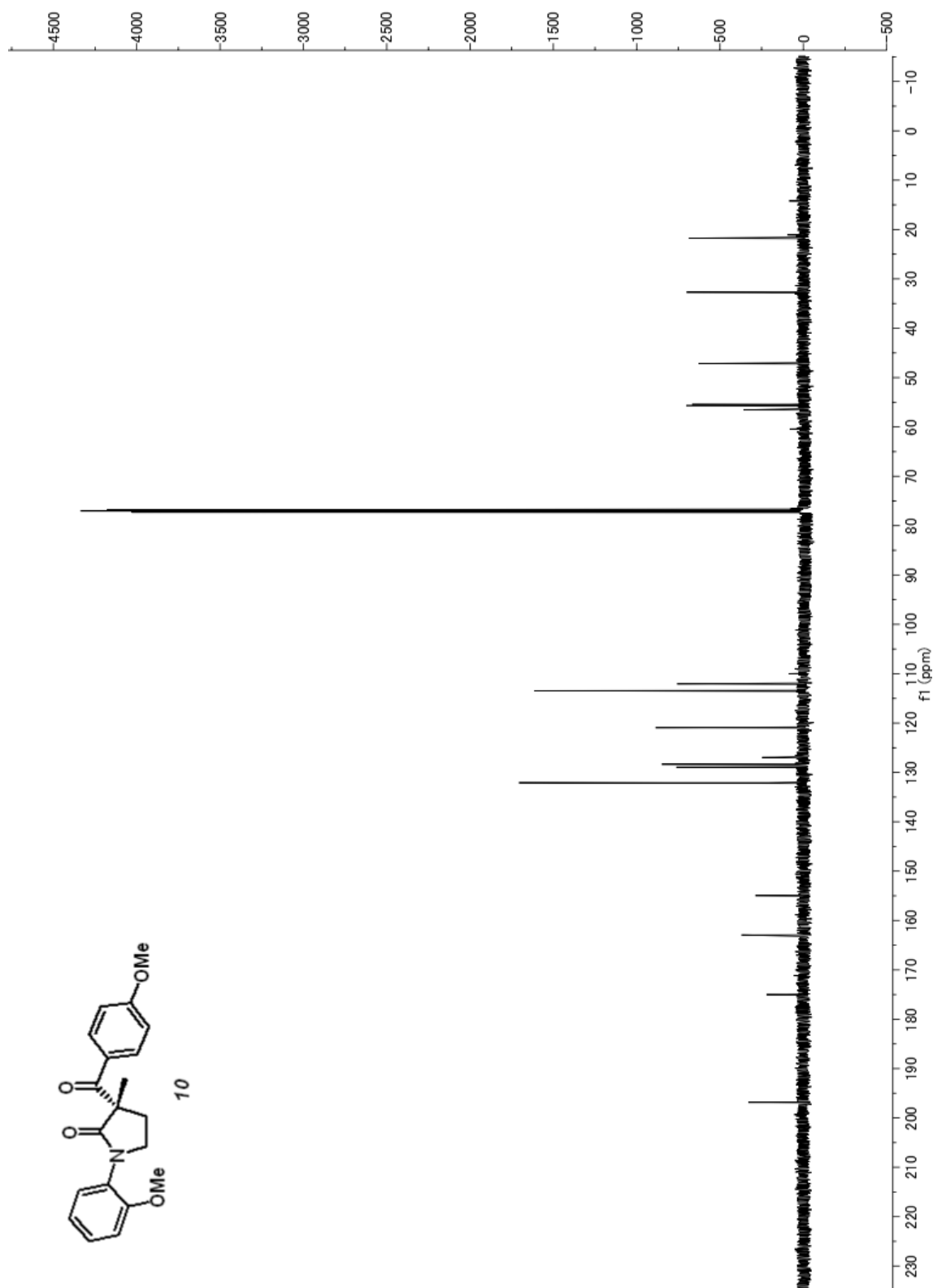
^1H NMR (500 MHz, CDCl_3) of compound **9**.



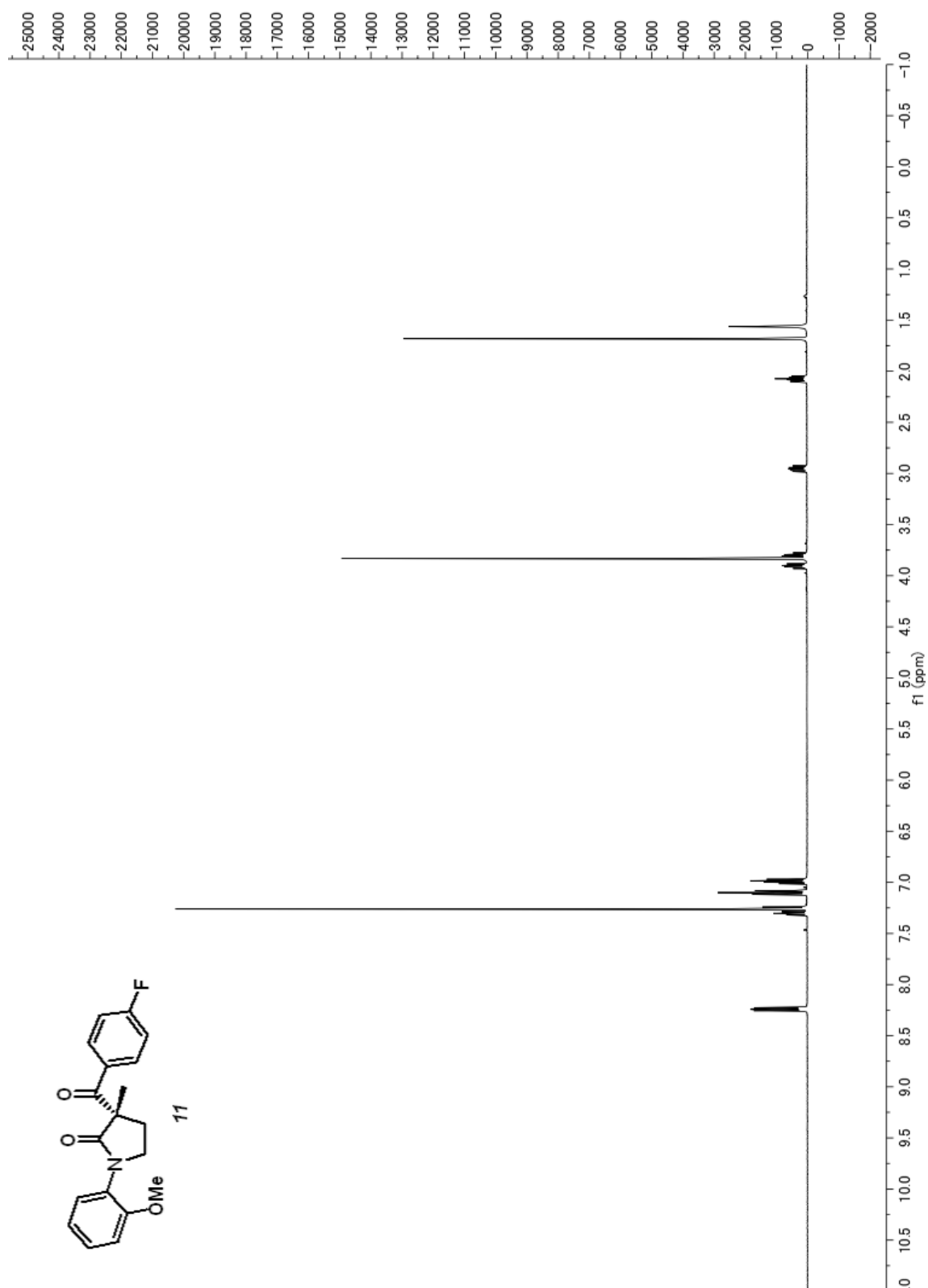
¹³C NMR (126 MHz, CDCl₃) of compound **9**.



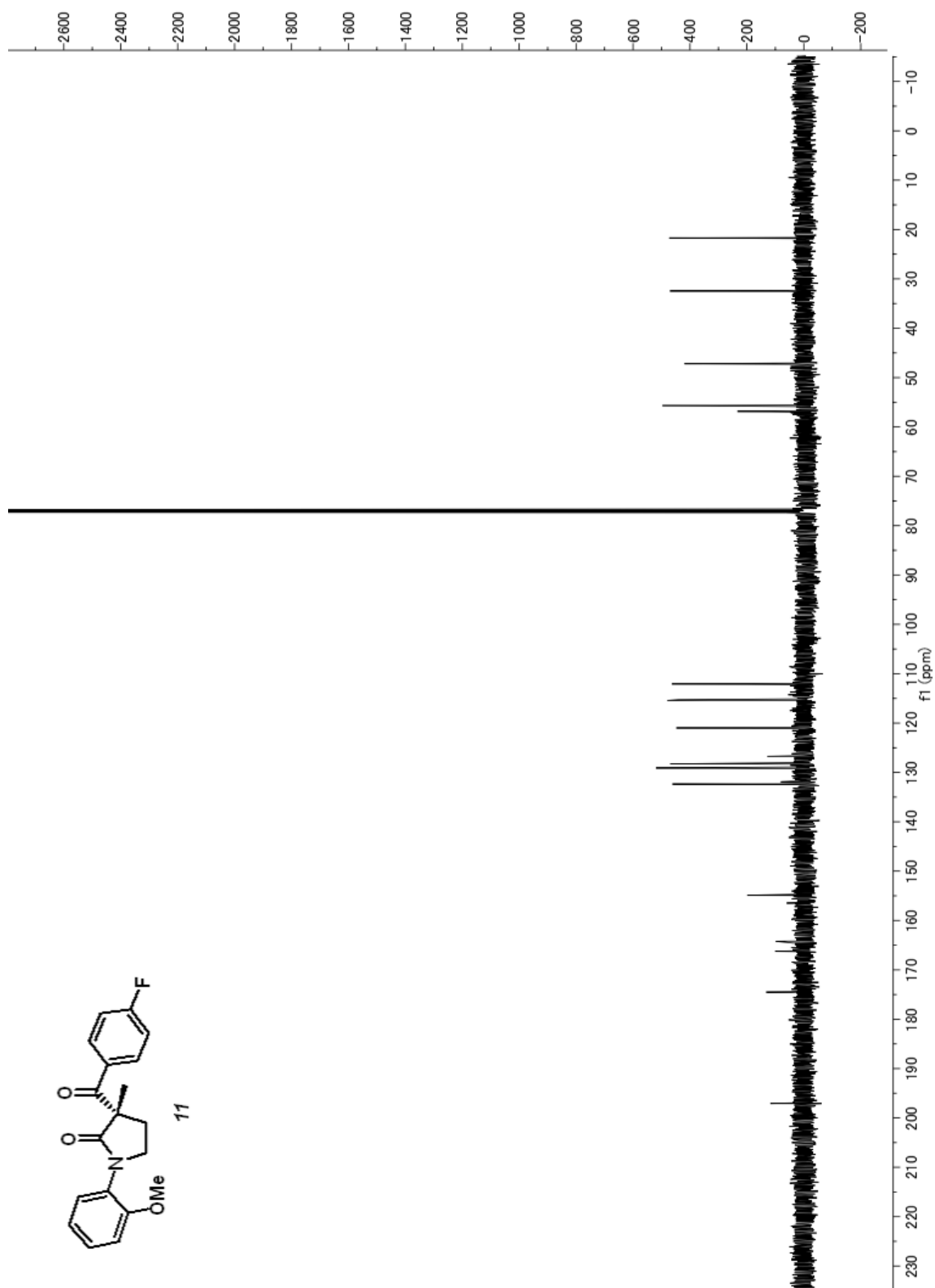
¹H NMR (500 MHz, CDCl₃) of compound **10**.



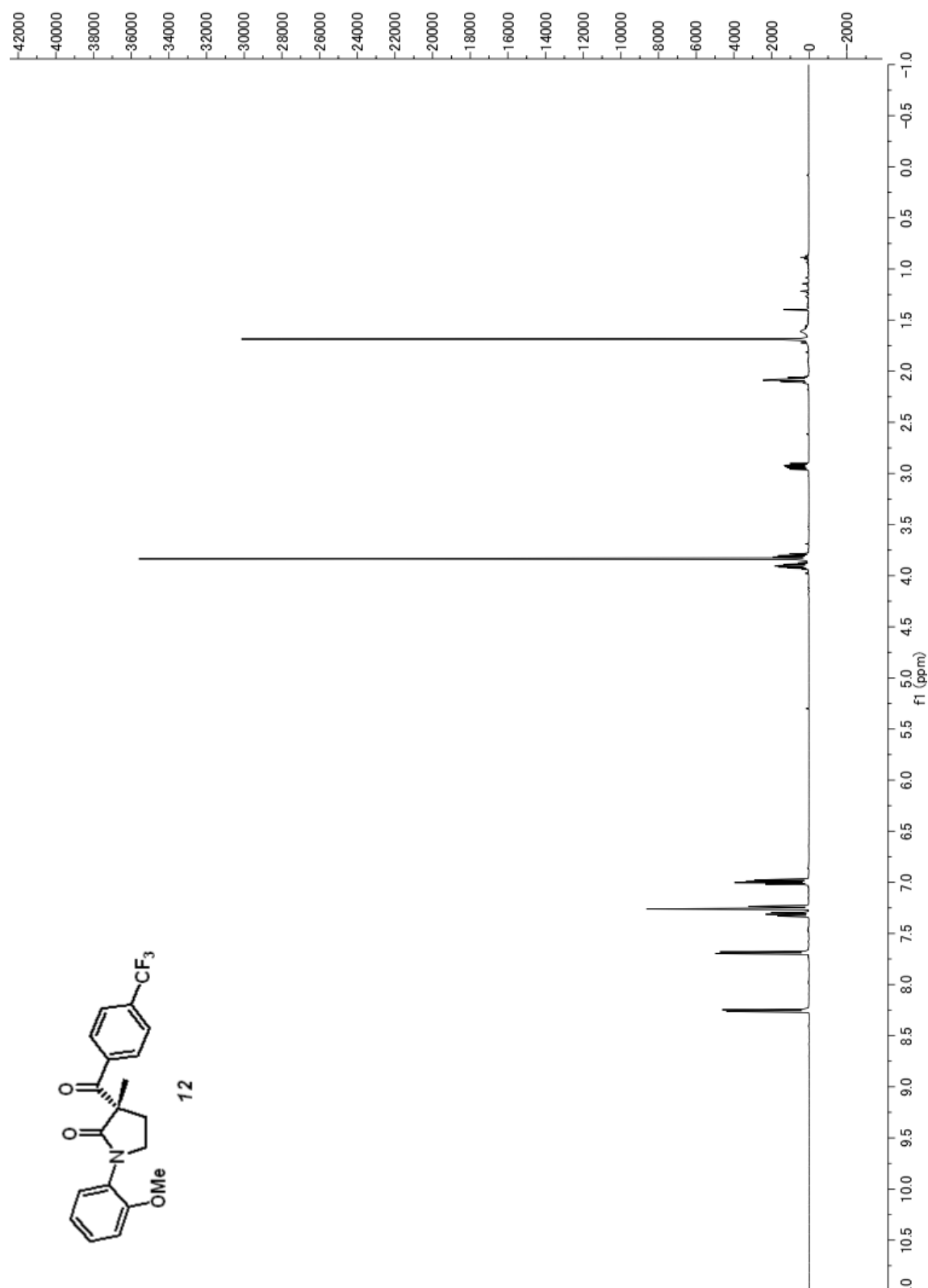
¹³C NMR (126 MHz, CDCl₃) of compound **10**.



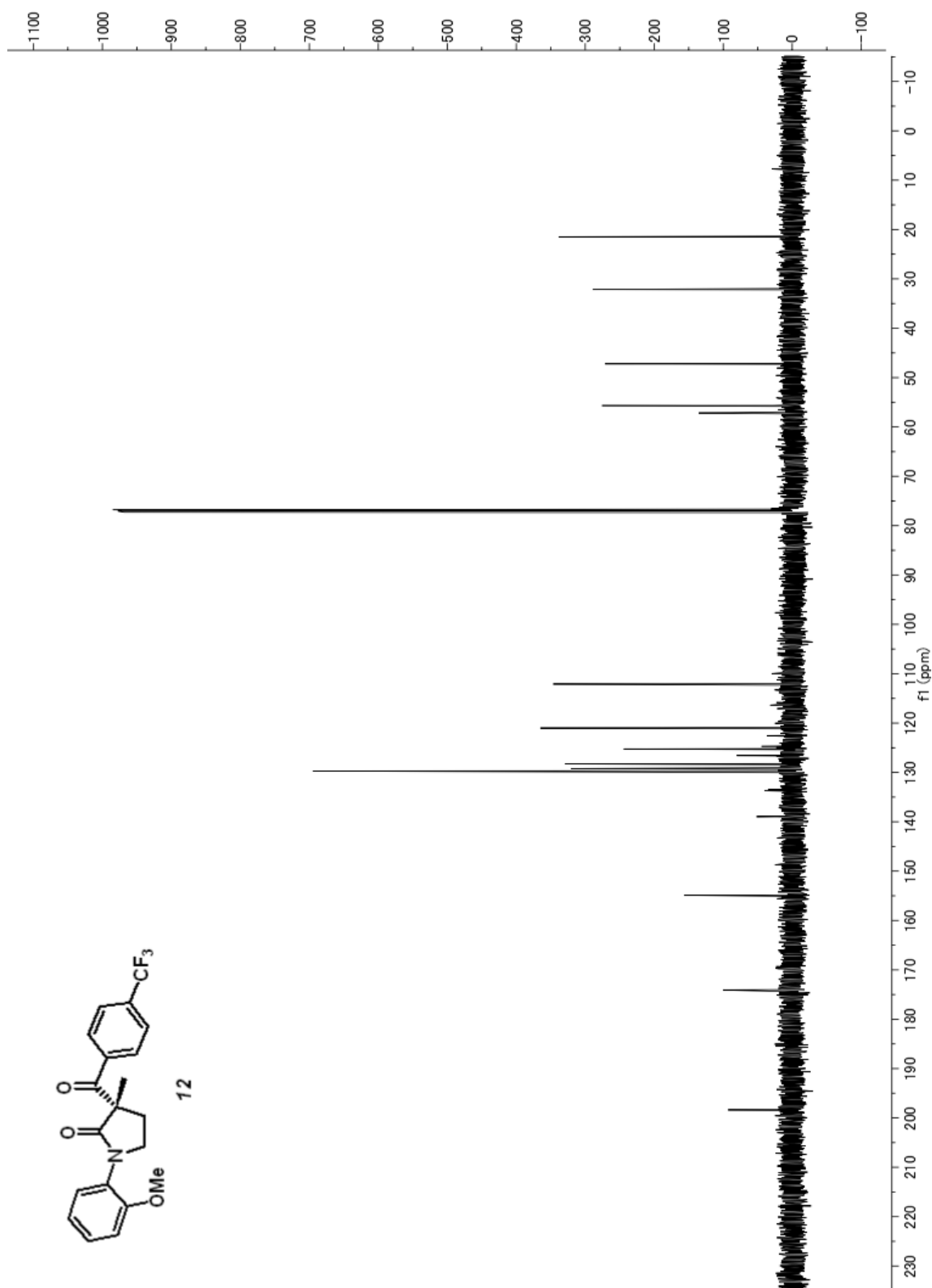
¹H NMR (500 MHz, CDCl₃) of compound **11**.



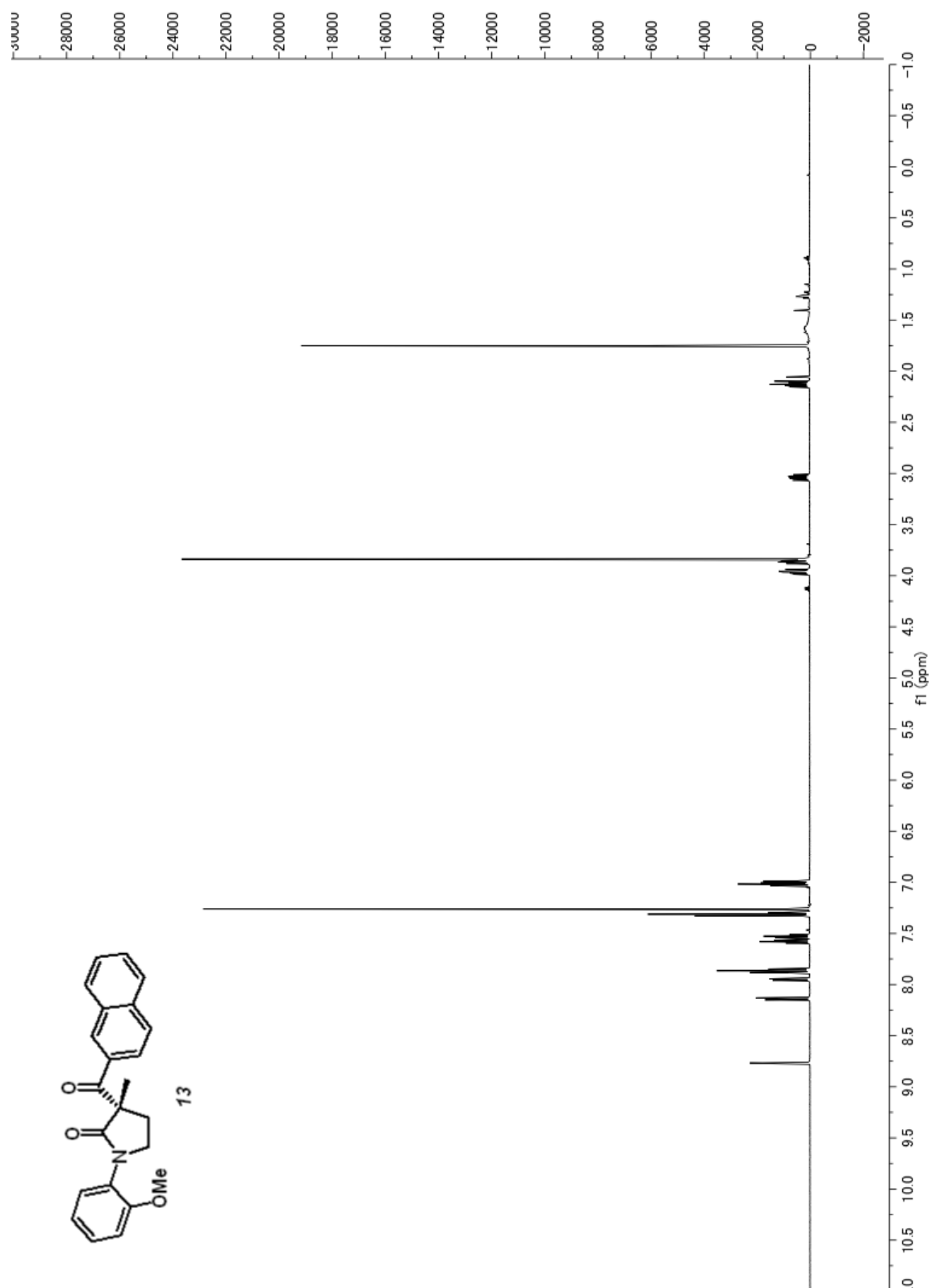
¹³C NMR (126 MHz, CDCl₃) of compound **11**.



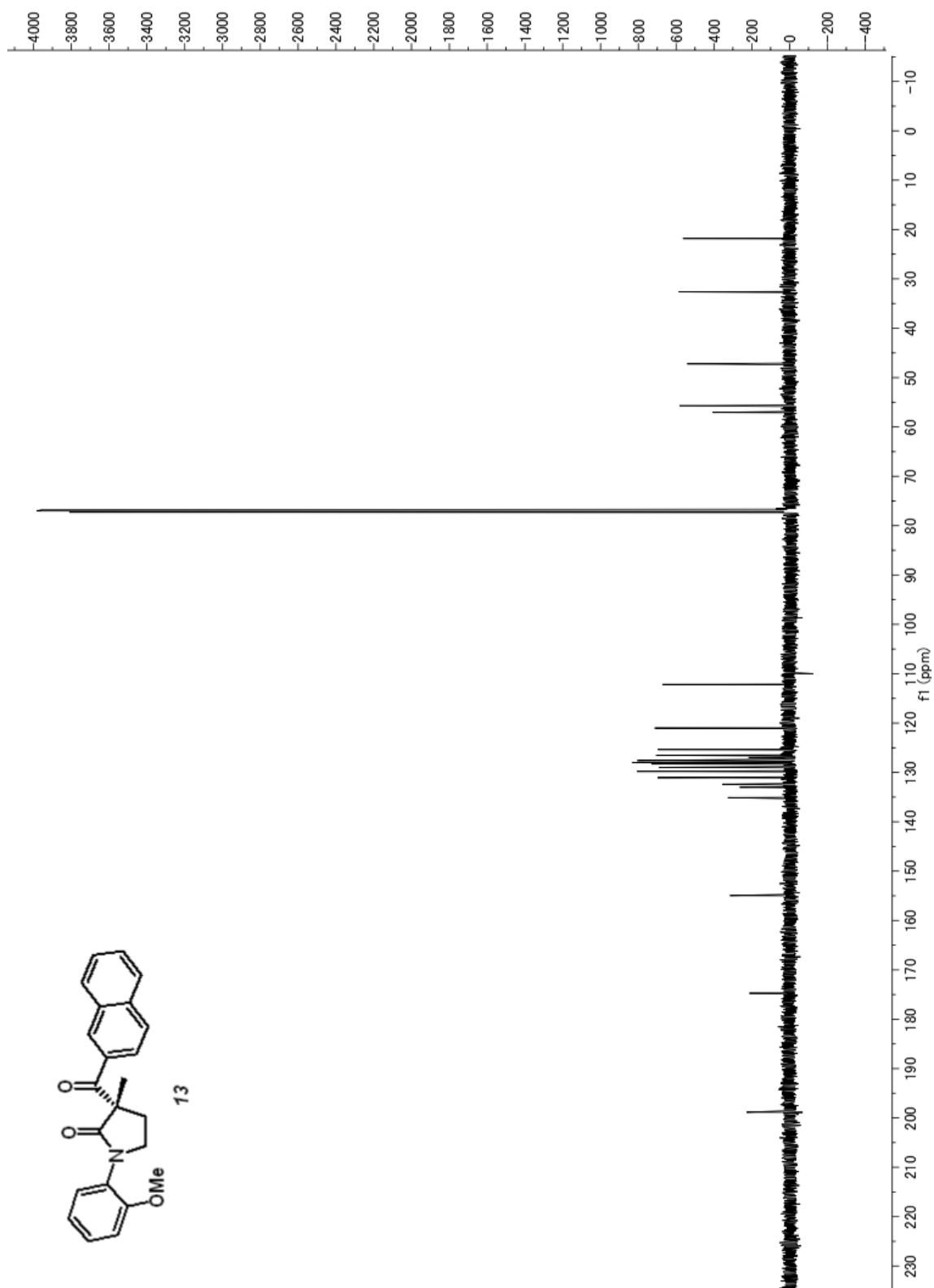
¹H NMR (500 MHz, CDCl₃) of compound **12**.



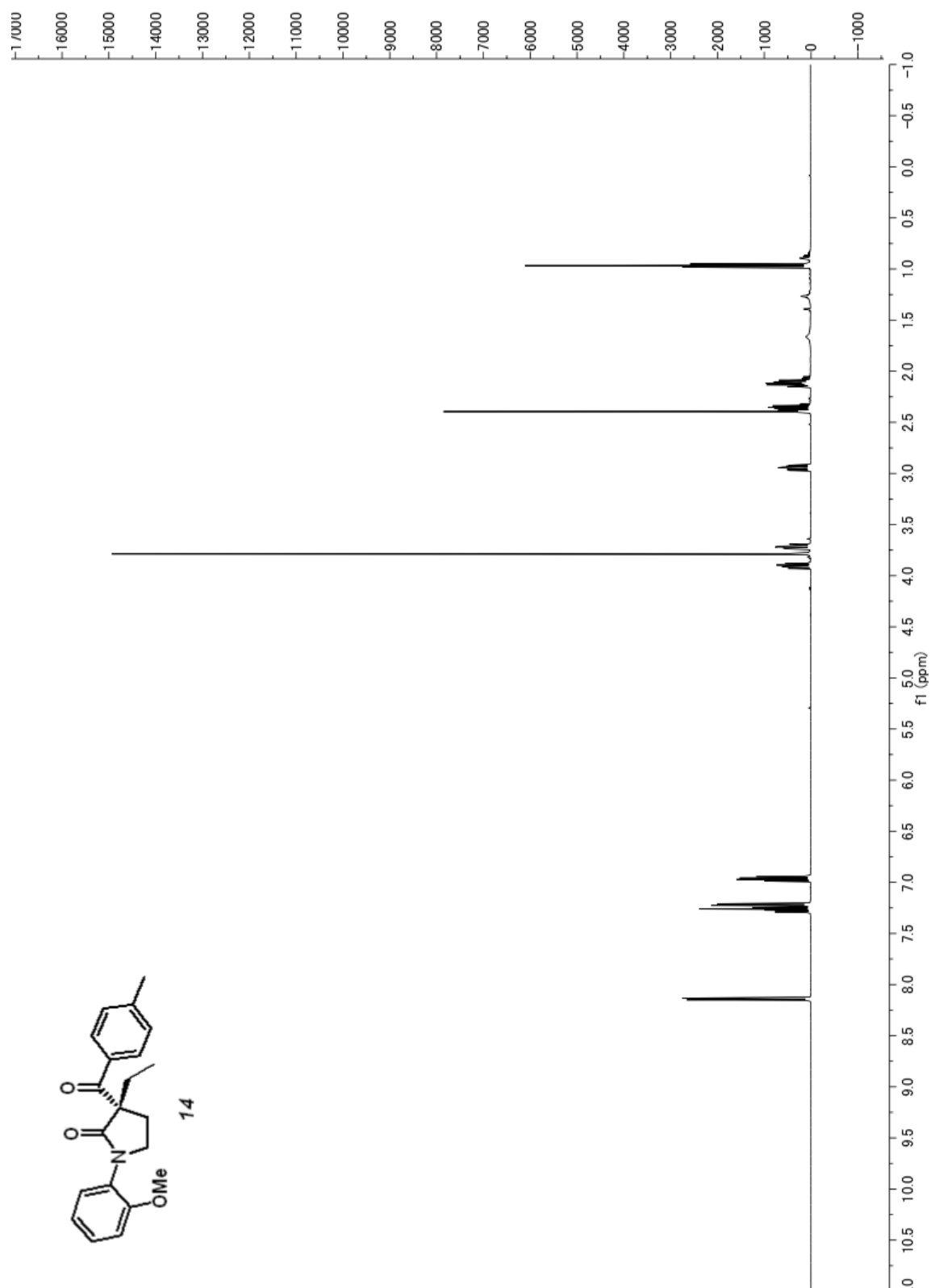
¹³C NMR (126 MHz, CDCl₃) of compound **12**.



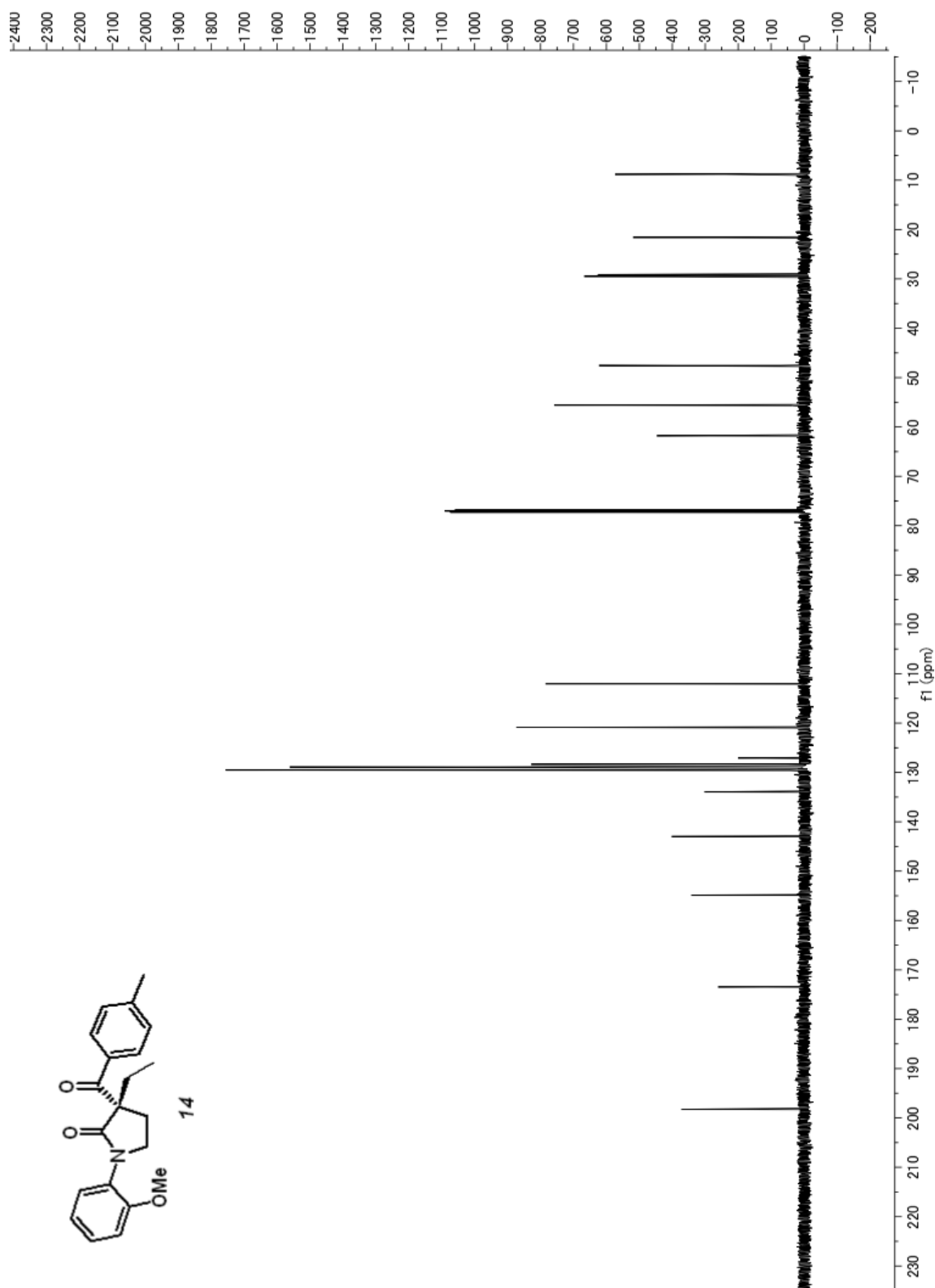
^1H NMR (500 MHz, CDCl_3) of compound **13**.



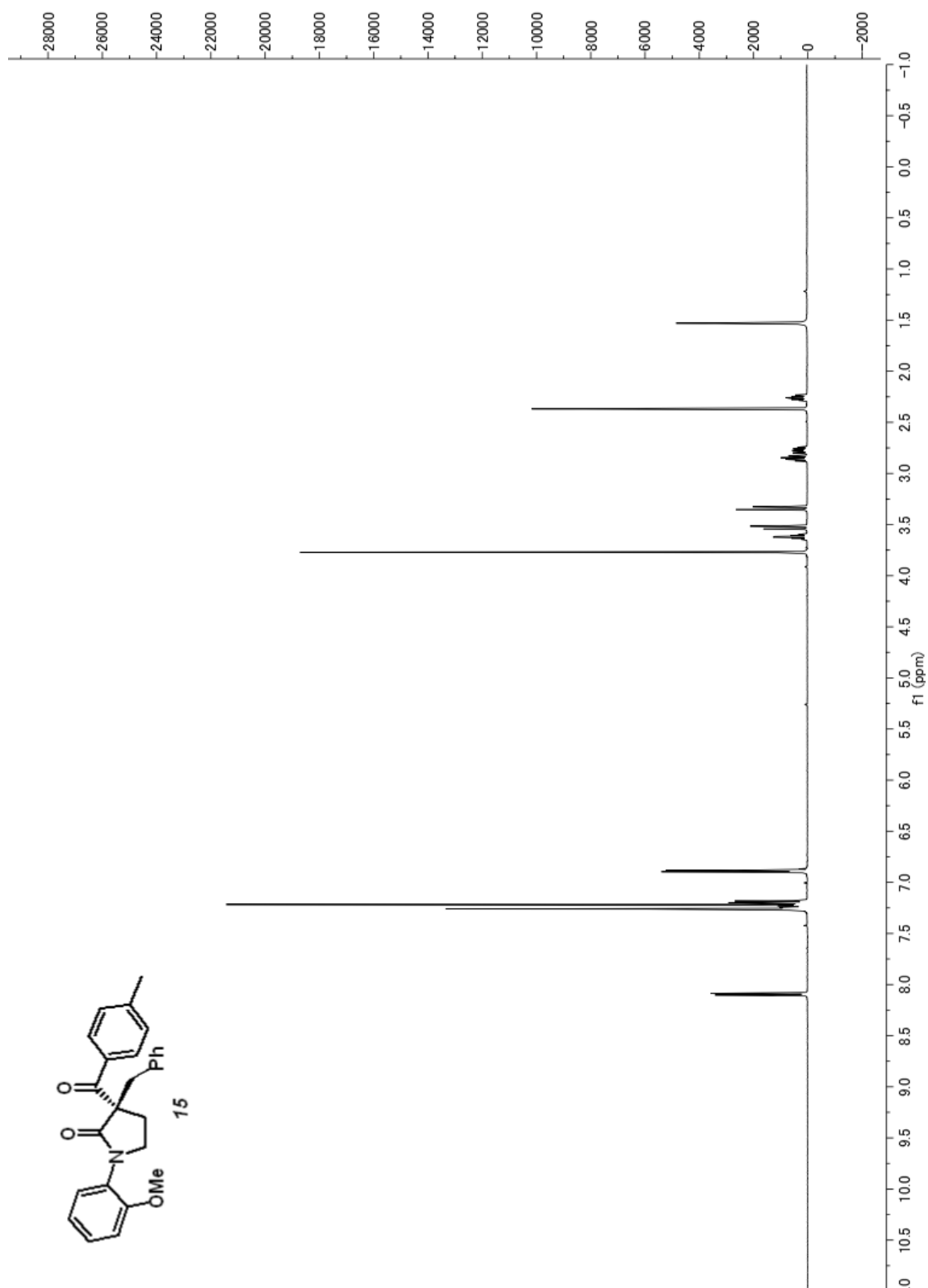
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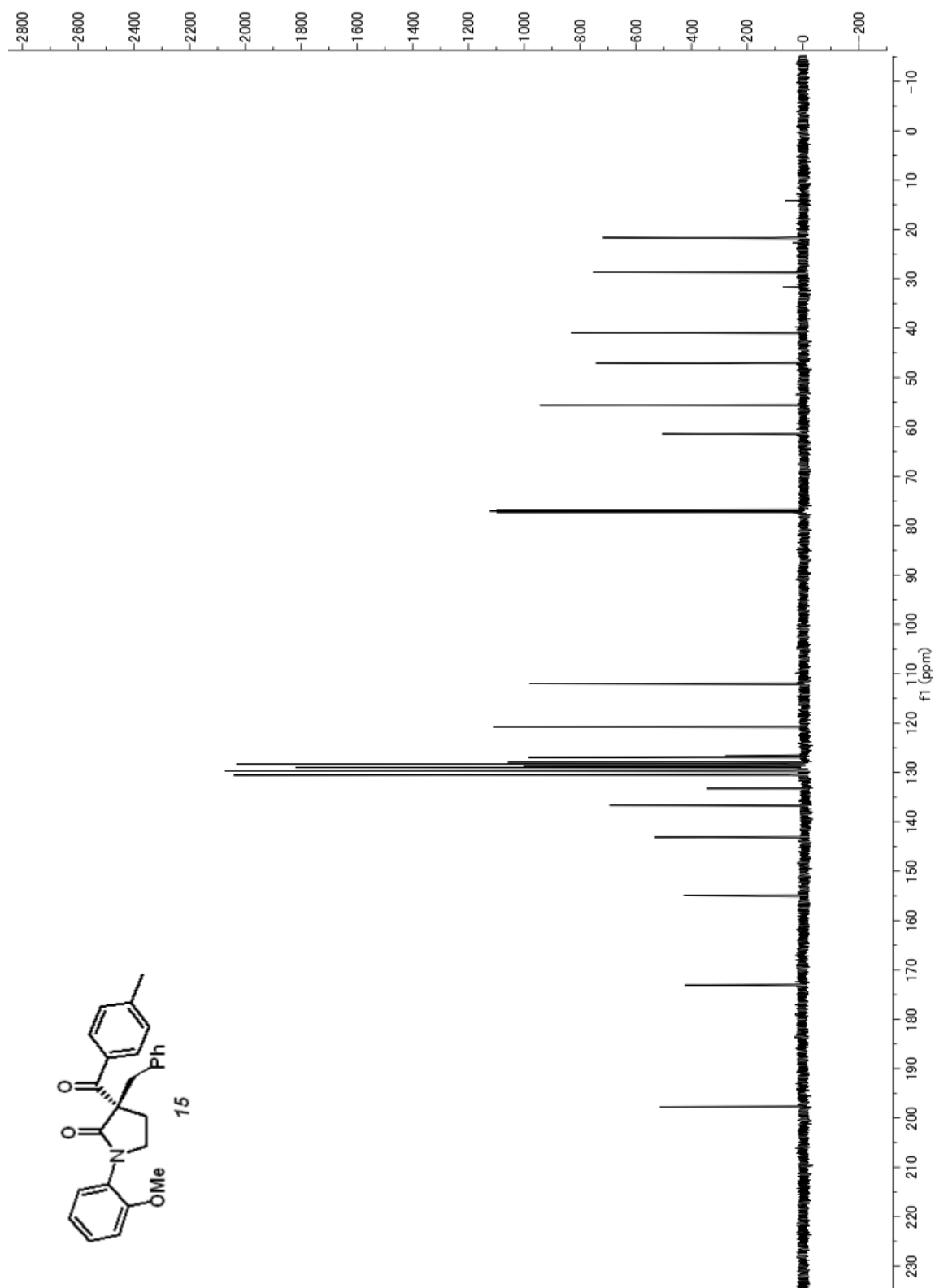
^1H NMR (500 MHz, CDCl_3) of compound **14**.



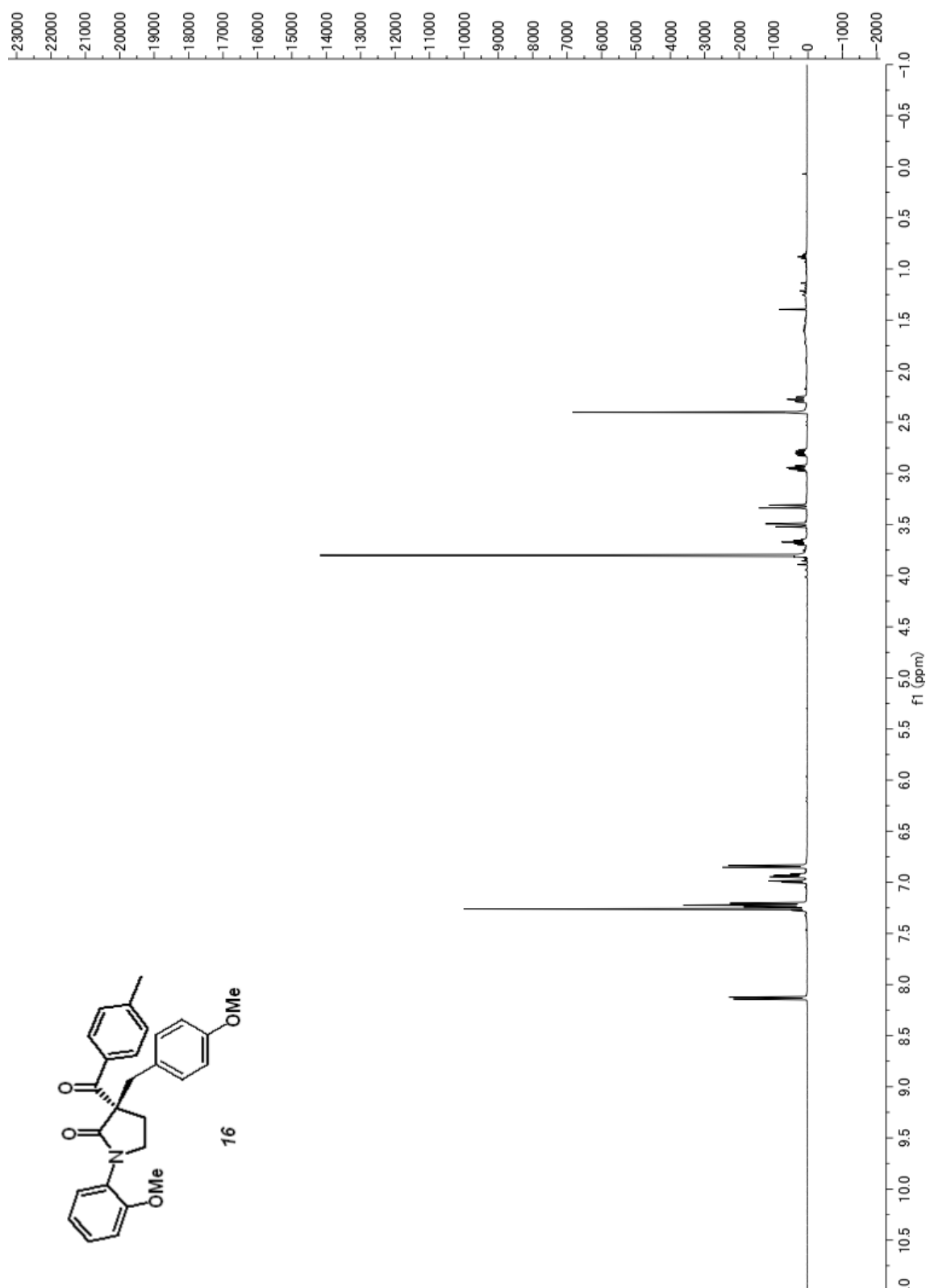
¹³C NMR (126 MHz, CDCl₃) of compound **14**.



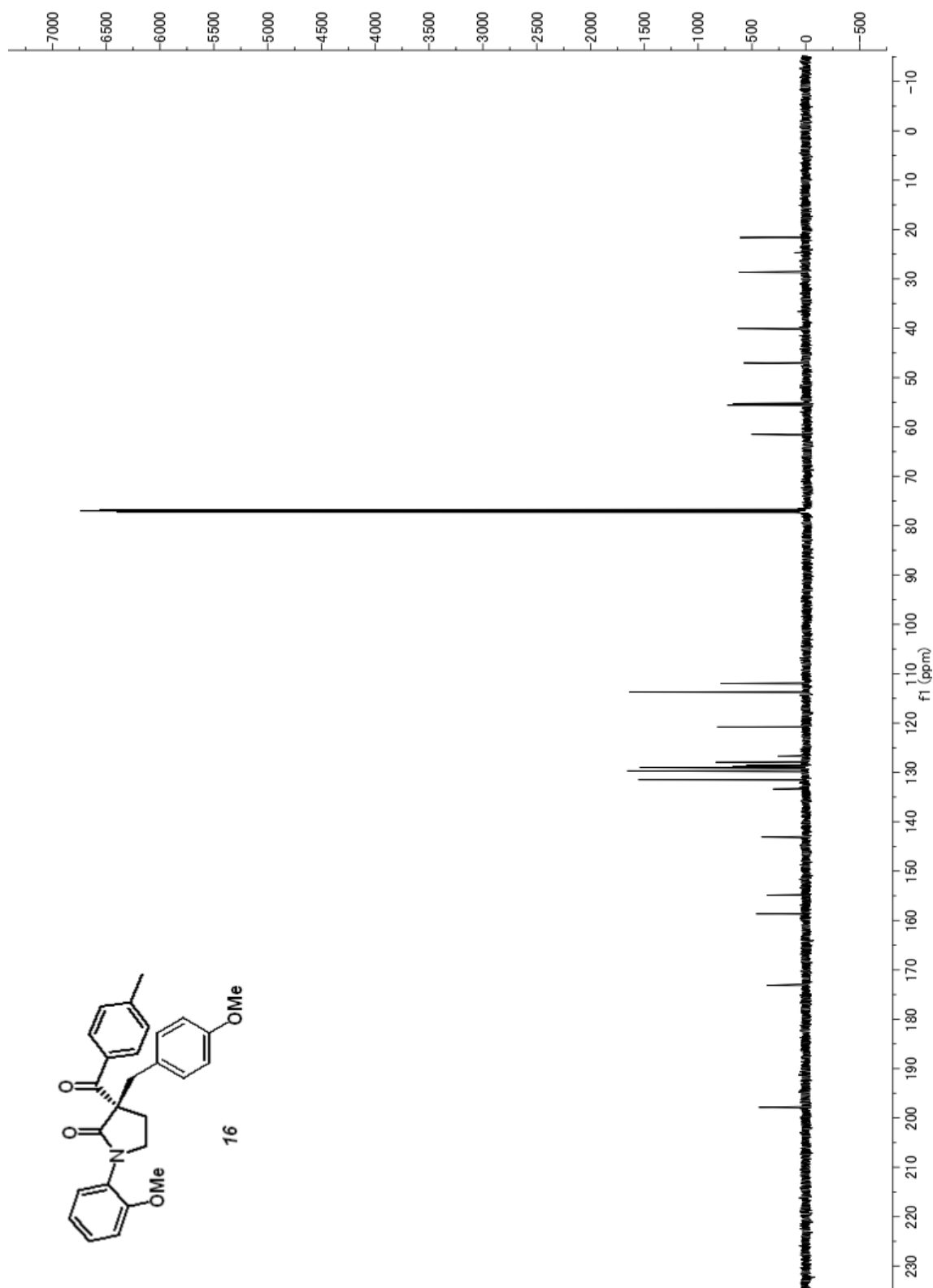
¹H NMR (500 MHz, CDCl₃) of compound **15**.

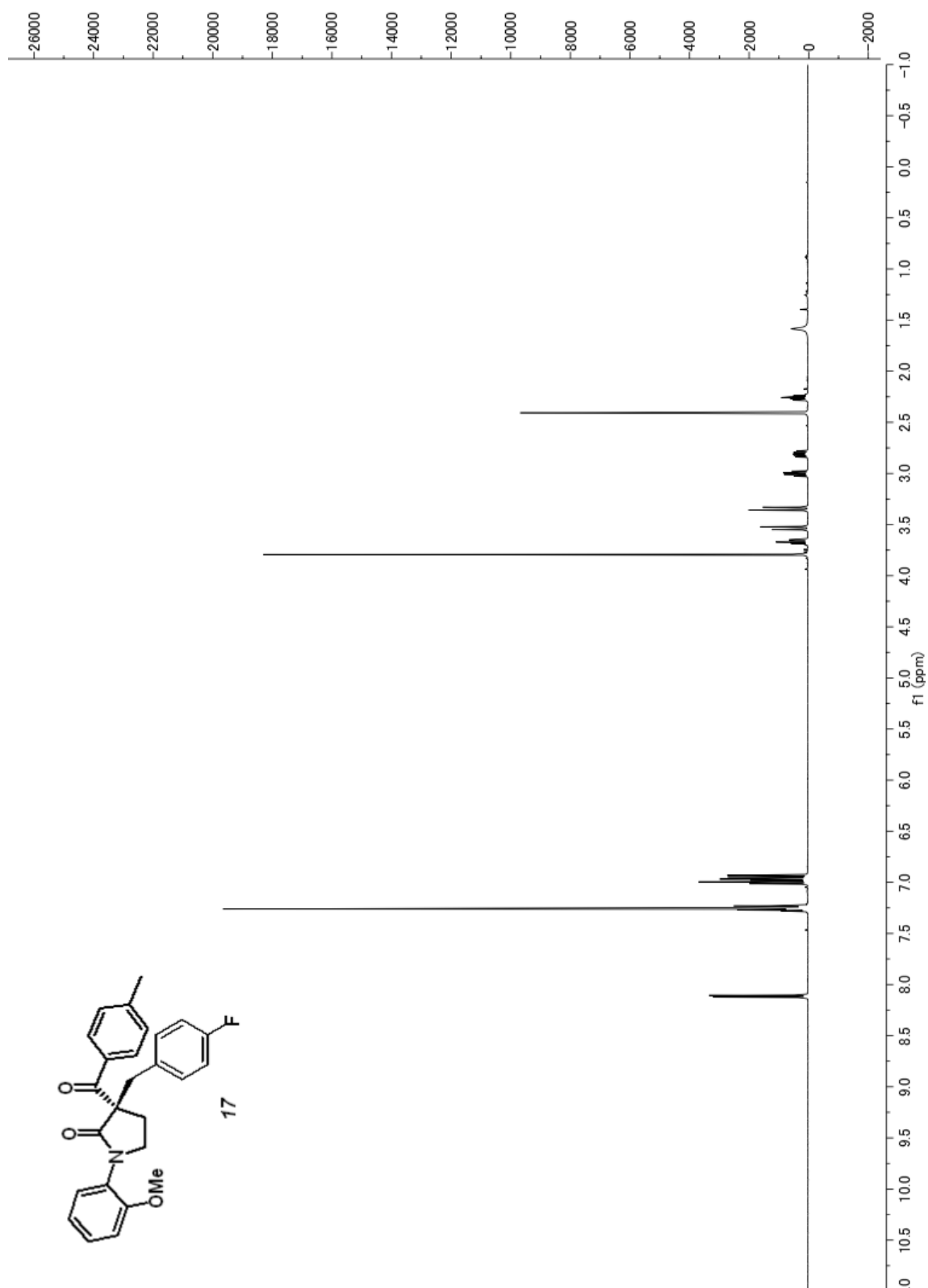


¹³C NMR (126 MHz, CDCl₃) of compound **15**.

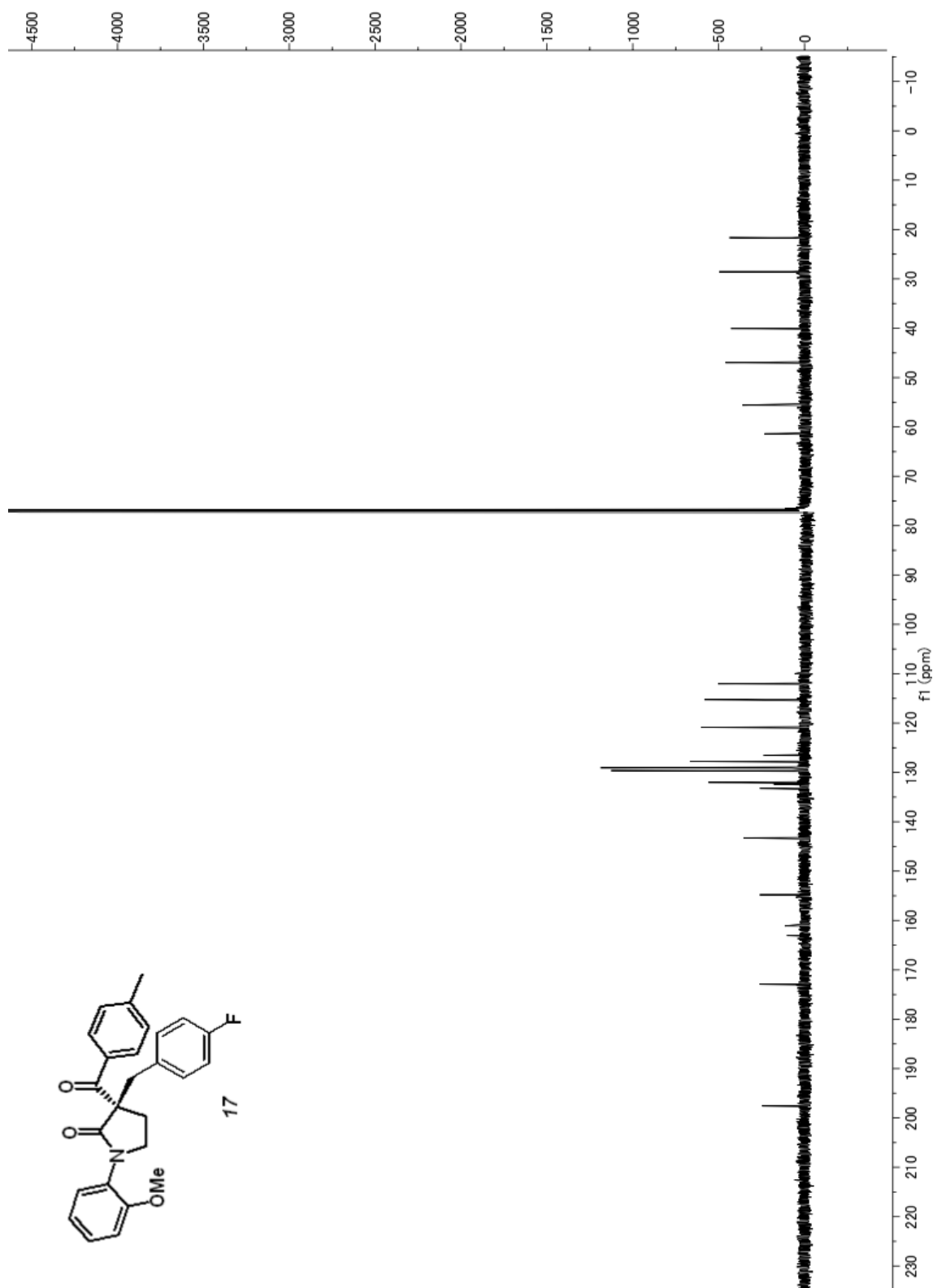


^1H NMR (500 MHz, CDCl_3) of compound **16**.

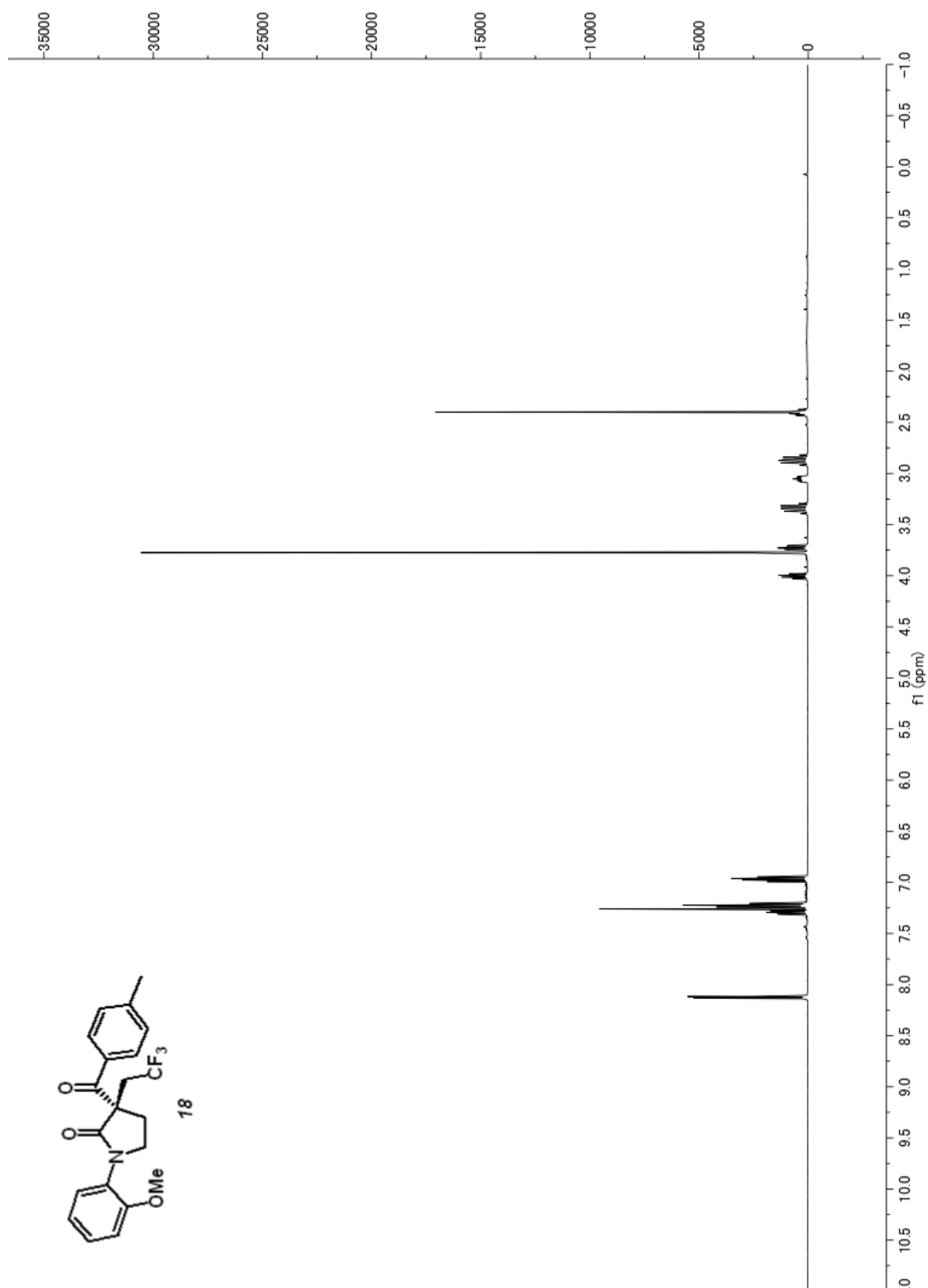
 ^{13}C NMR (126 MHz, CDCl_3) of compound **16**.



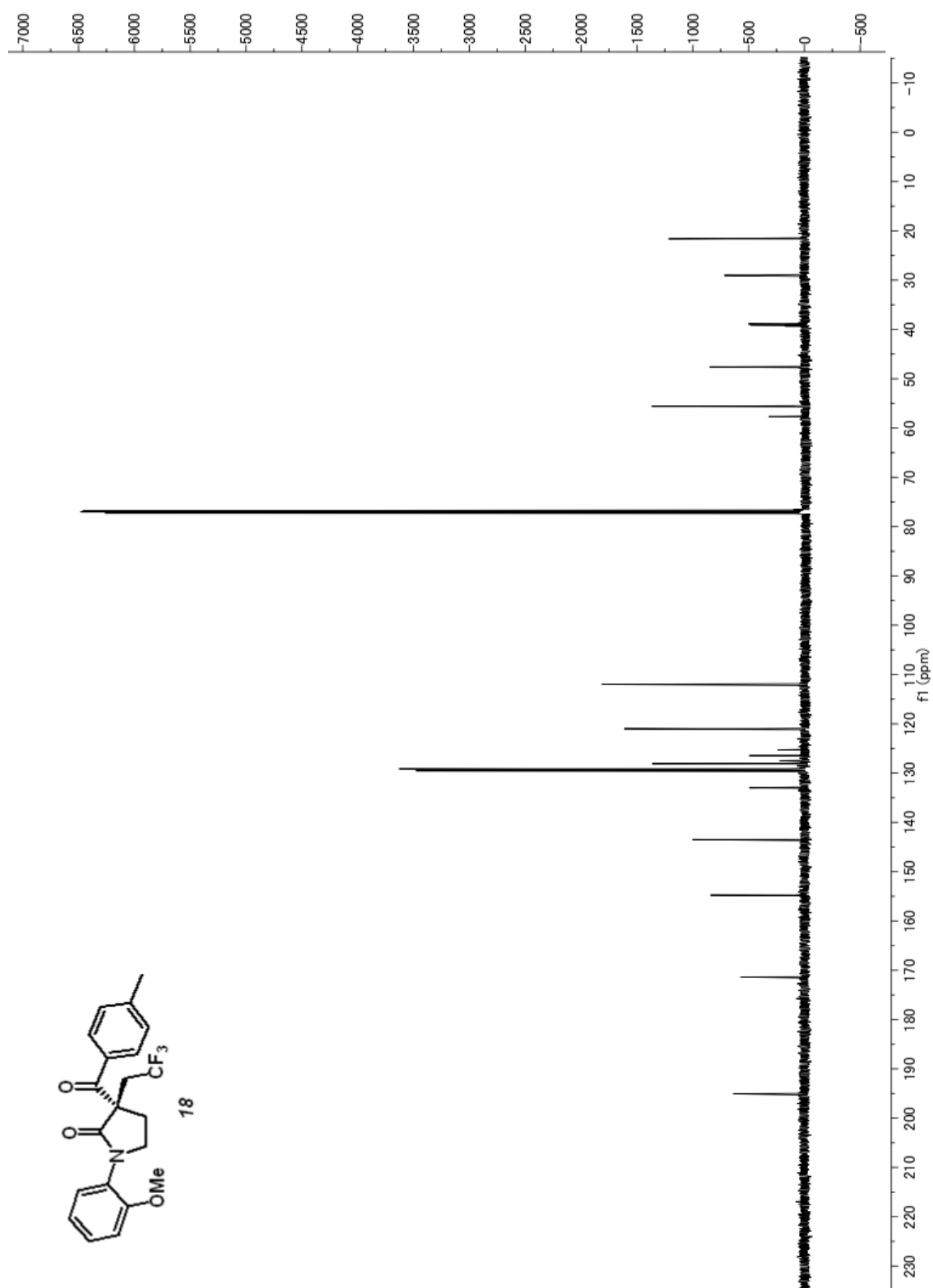
^1H NMR (500 MHz, CDCl_3) of compound **17**.



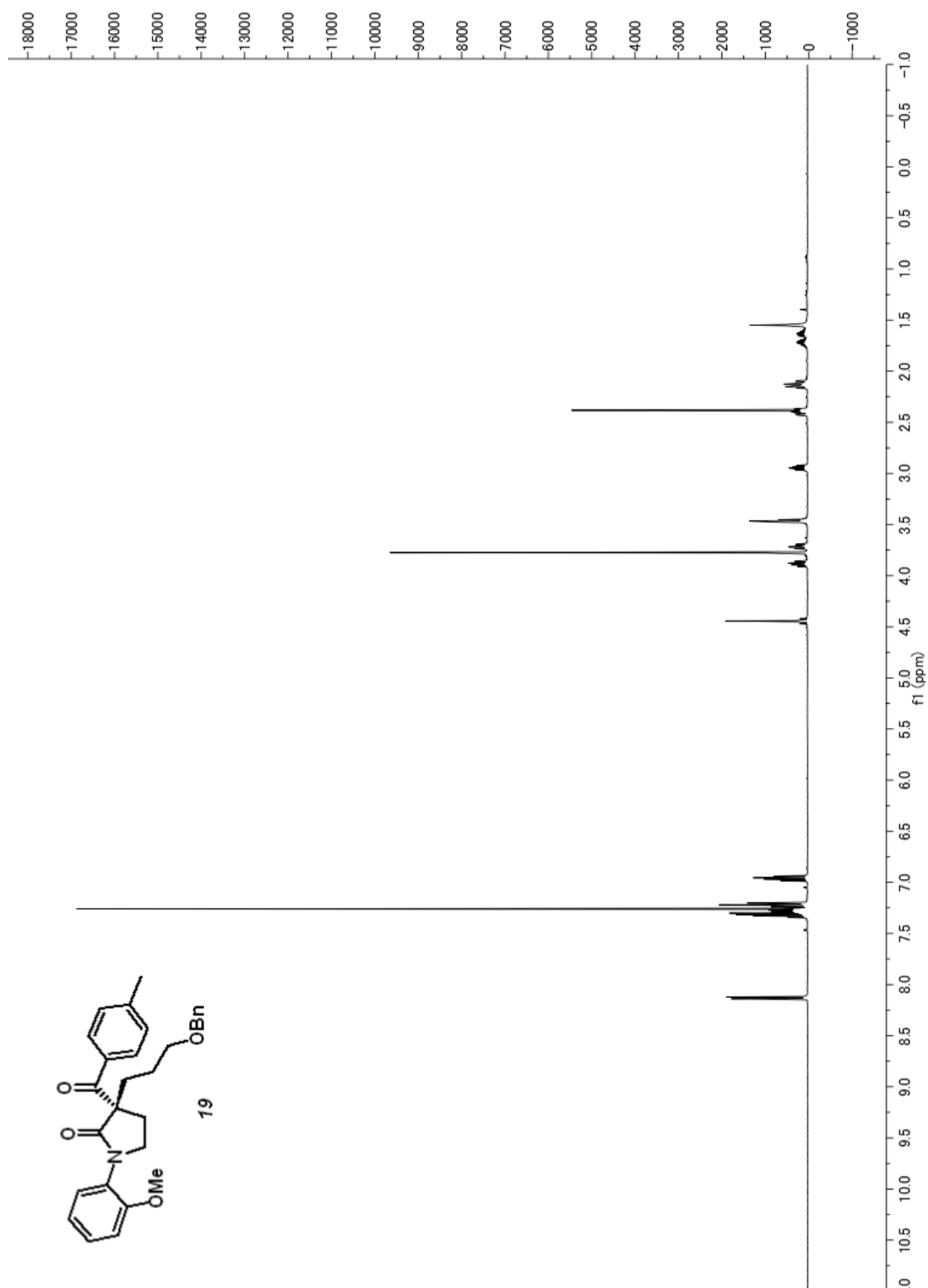
¹³C NMR (126 MHz, CDCl₃) of compound **17**.



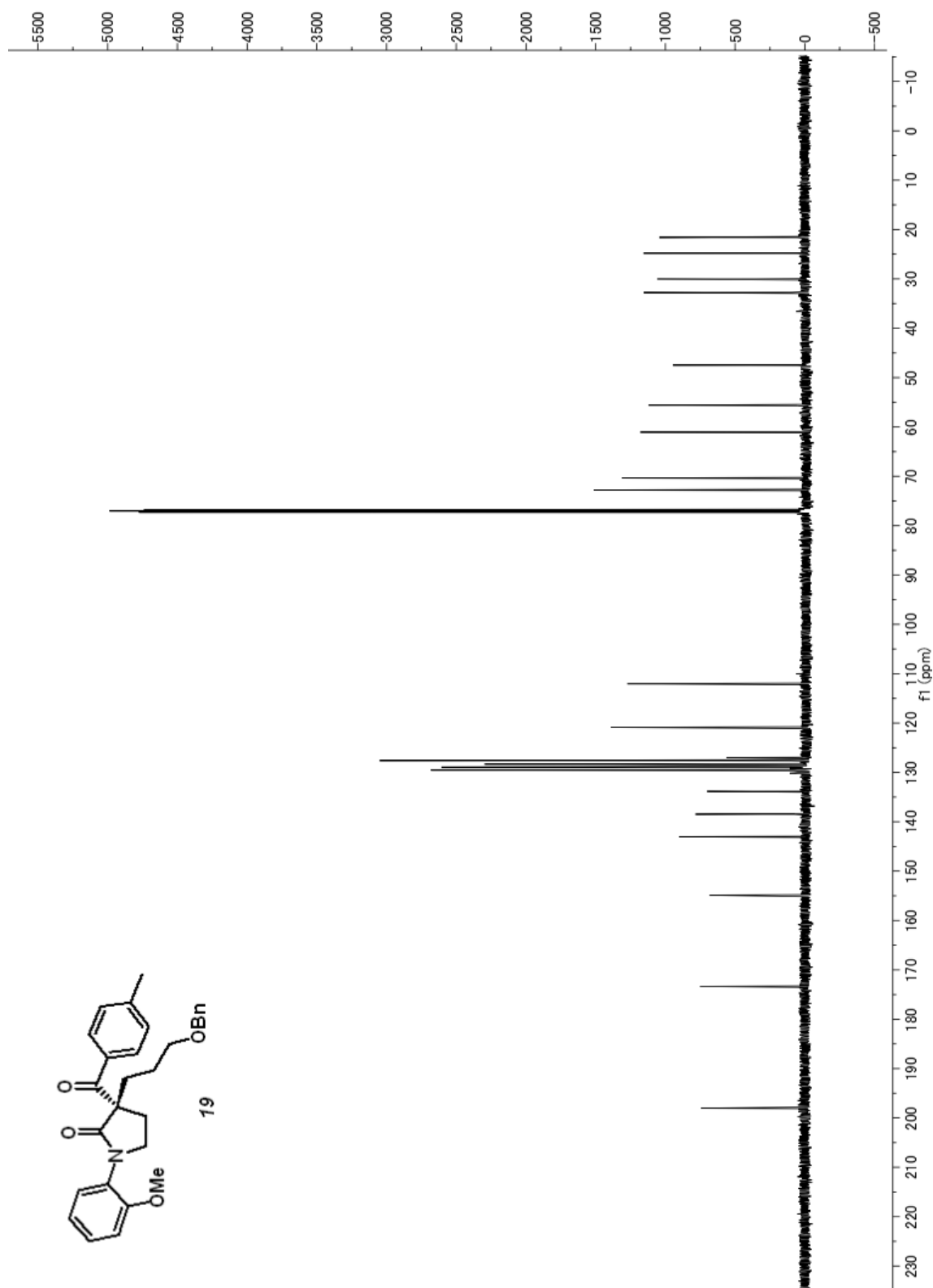
¹H NMR (500 MHz, CDCl₃) of compound **18**.



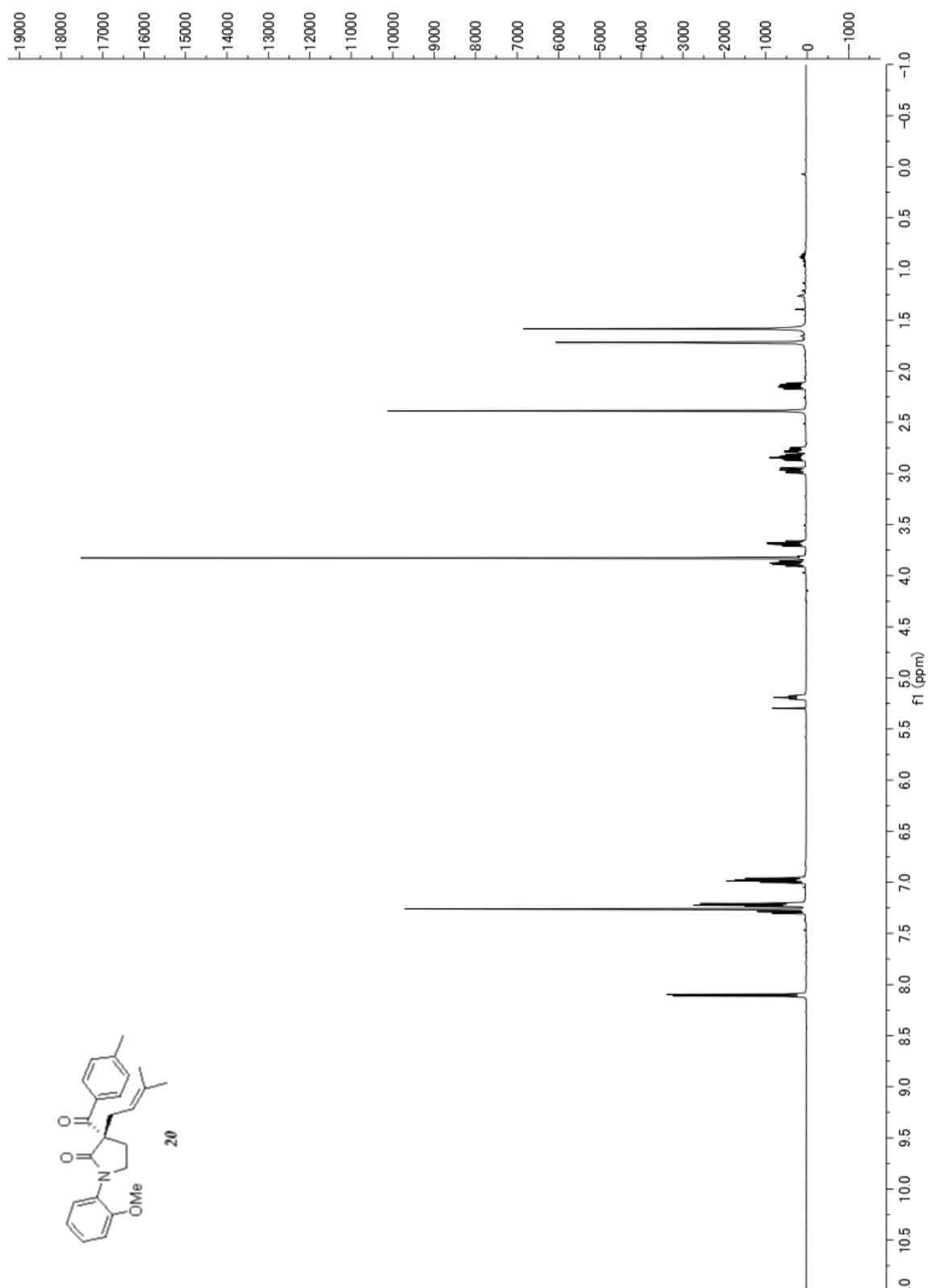
¹³C NMR (126 MHz, CDCl₃) of compound **18**.



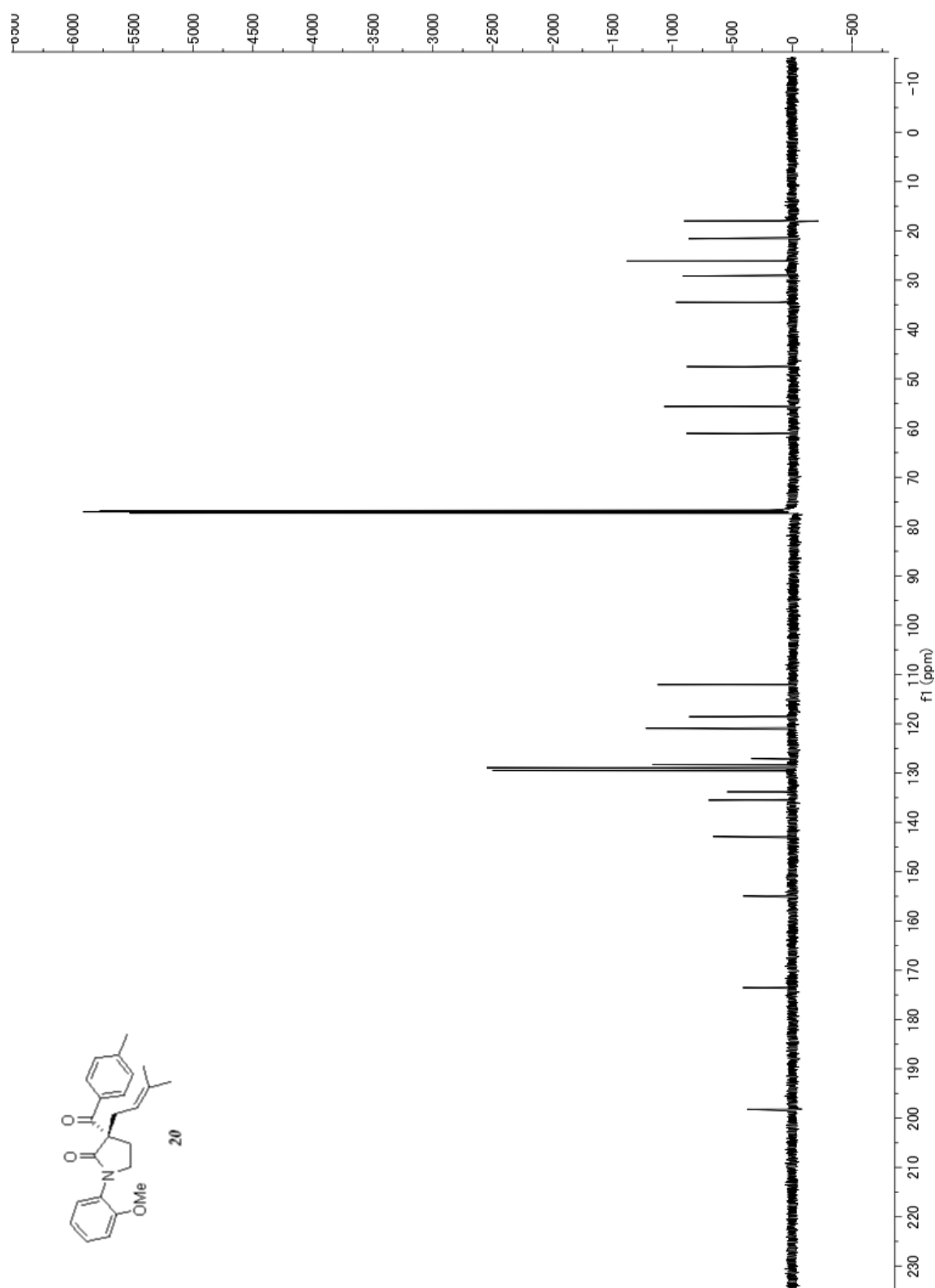
¹H NMR (500 MHz, CDCl₃) of compound **19**.



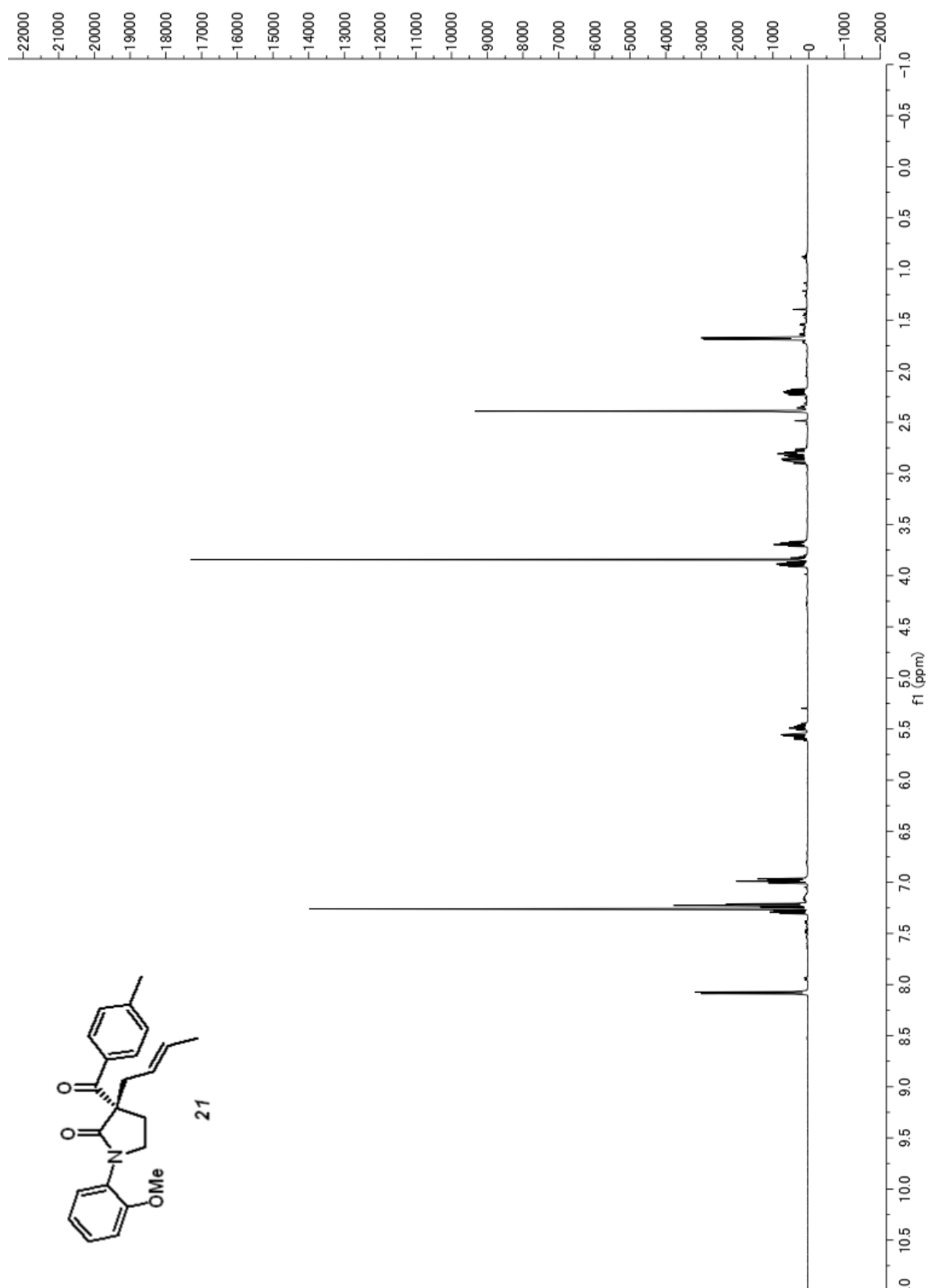
^{13}C NMR (126 MHz, CDCl_3) of compound **19**.



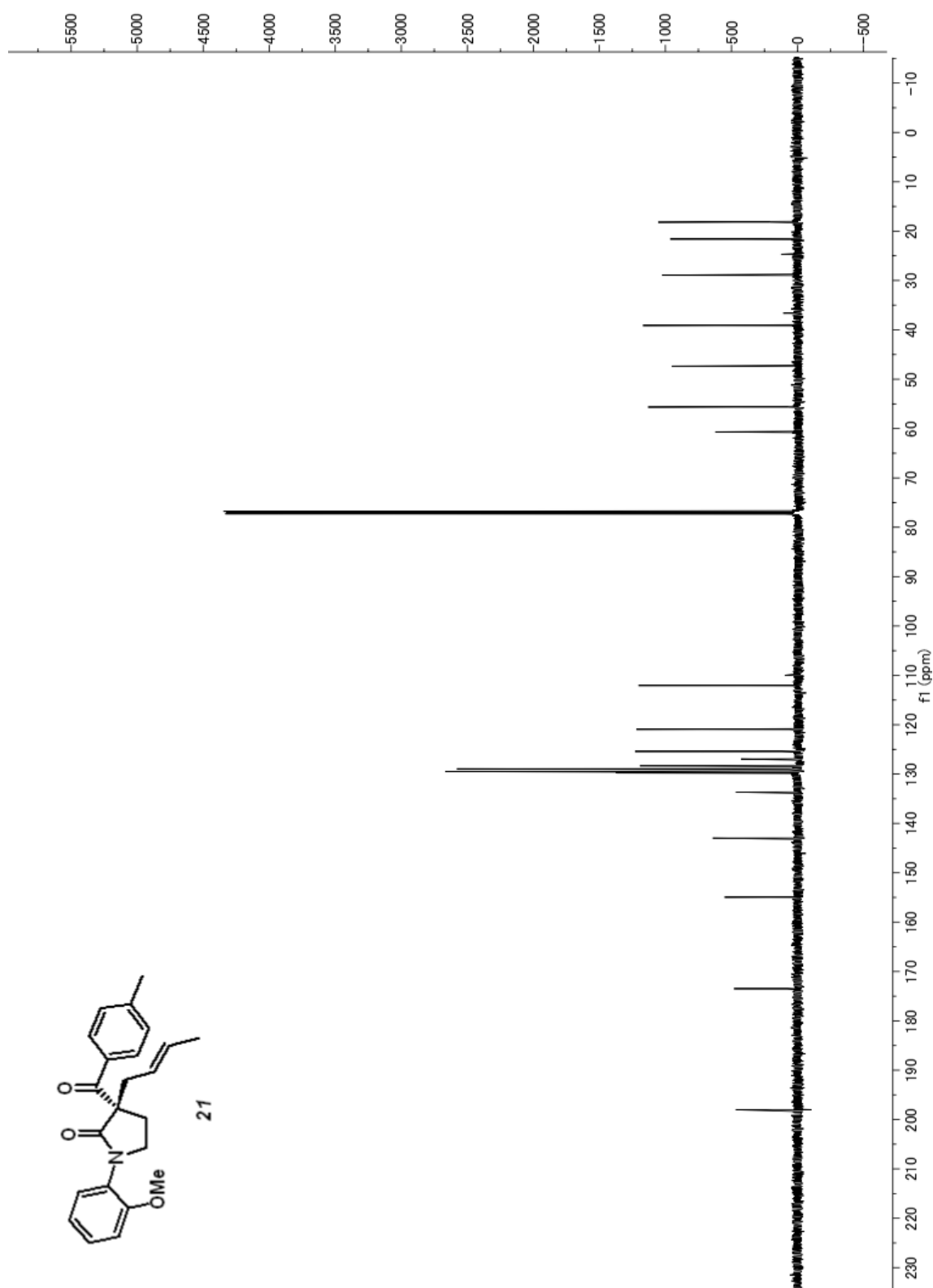
¹H NMR (500 MHz, CDCl₃) of compound **20**.

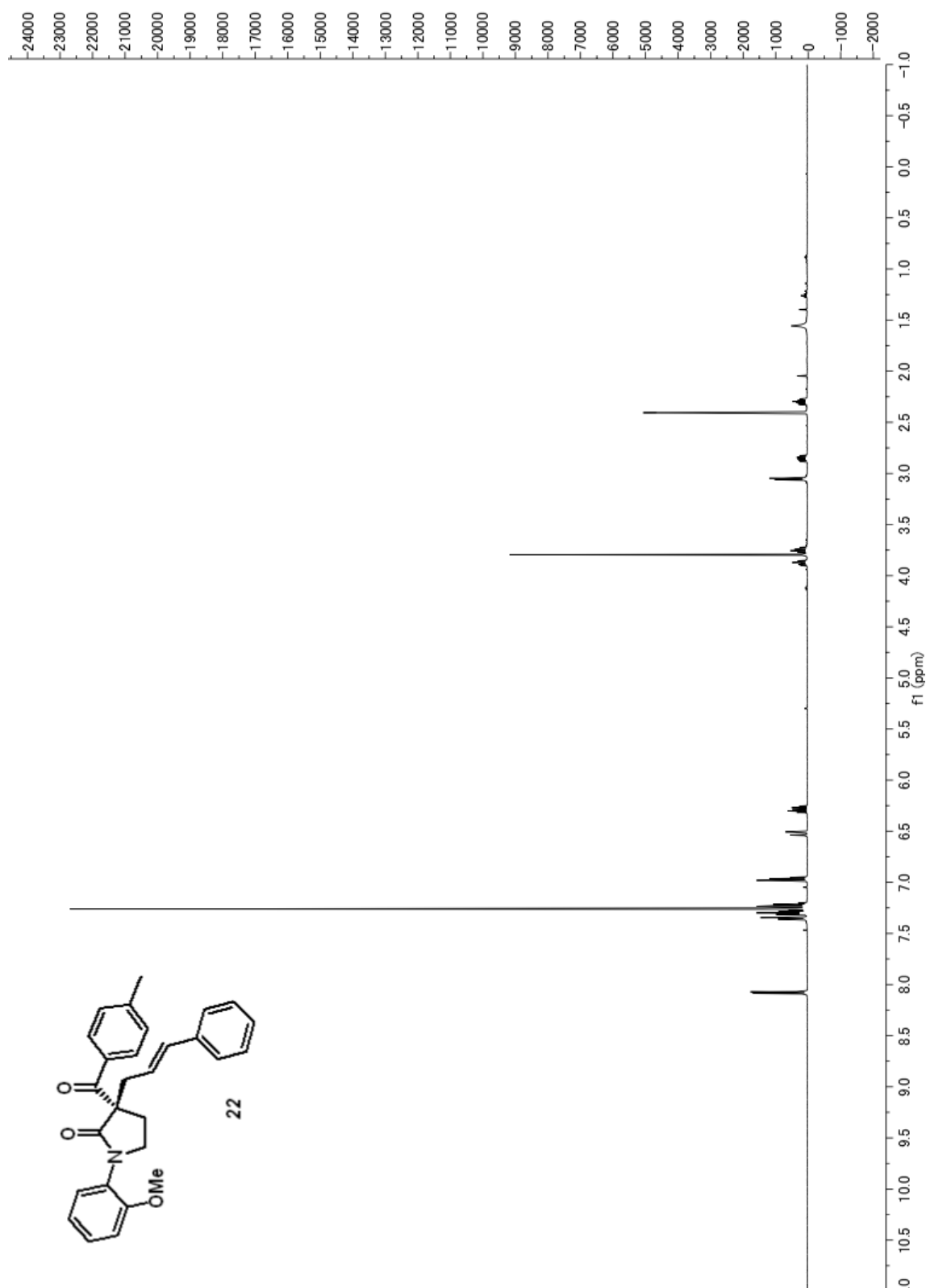


¹³C NMR (126 MHz, CDCl₃) of compound **20**.

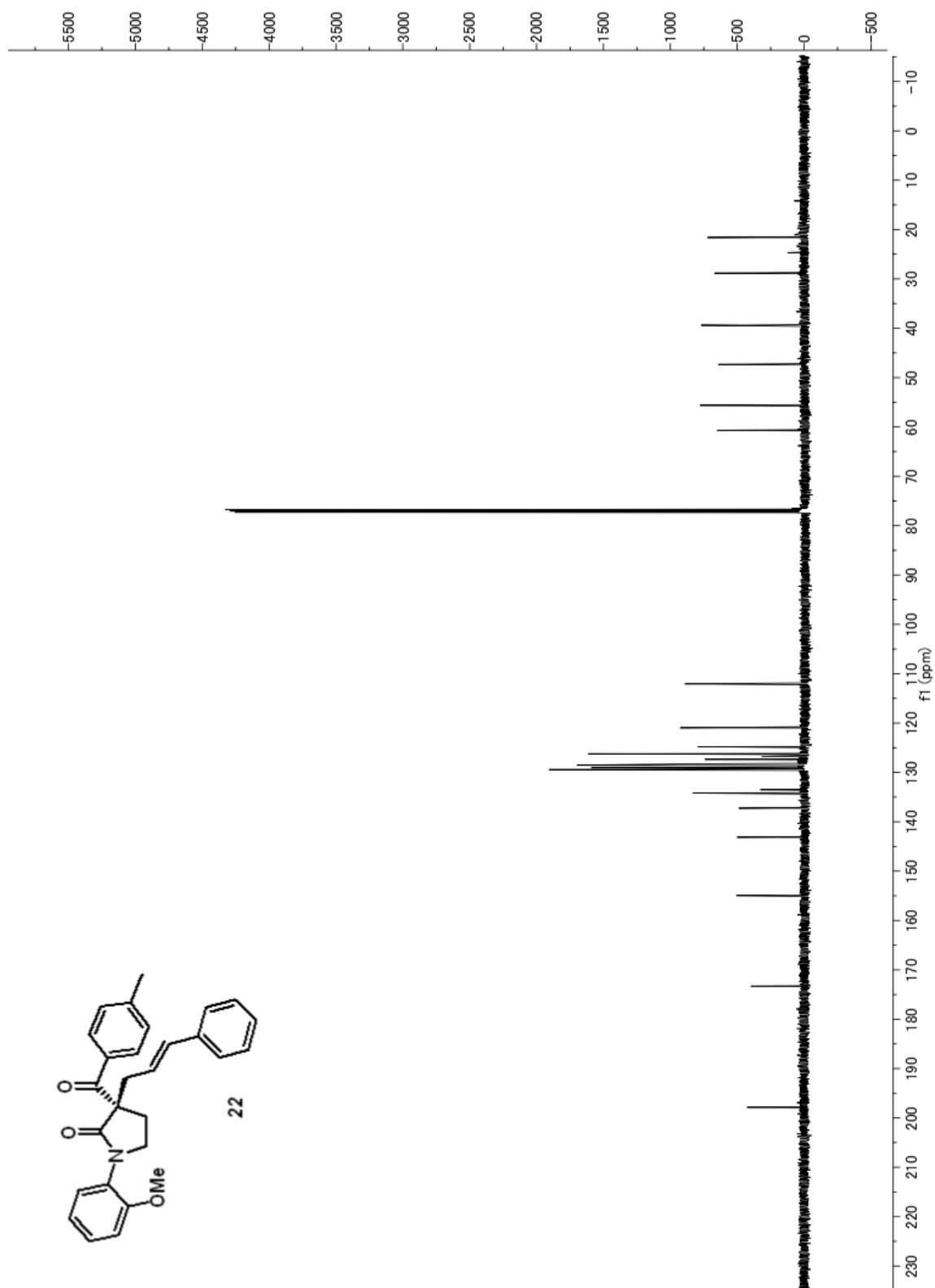


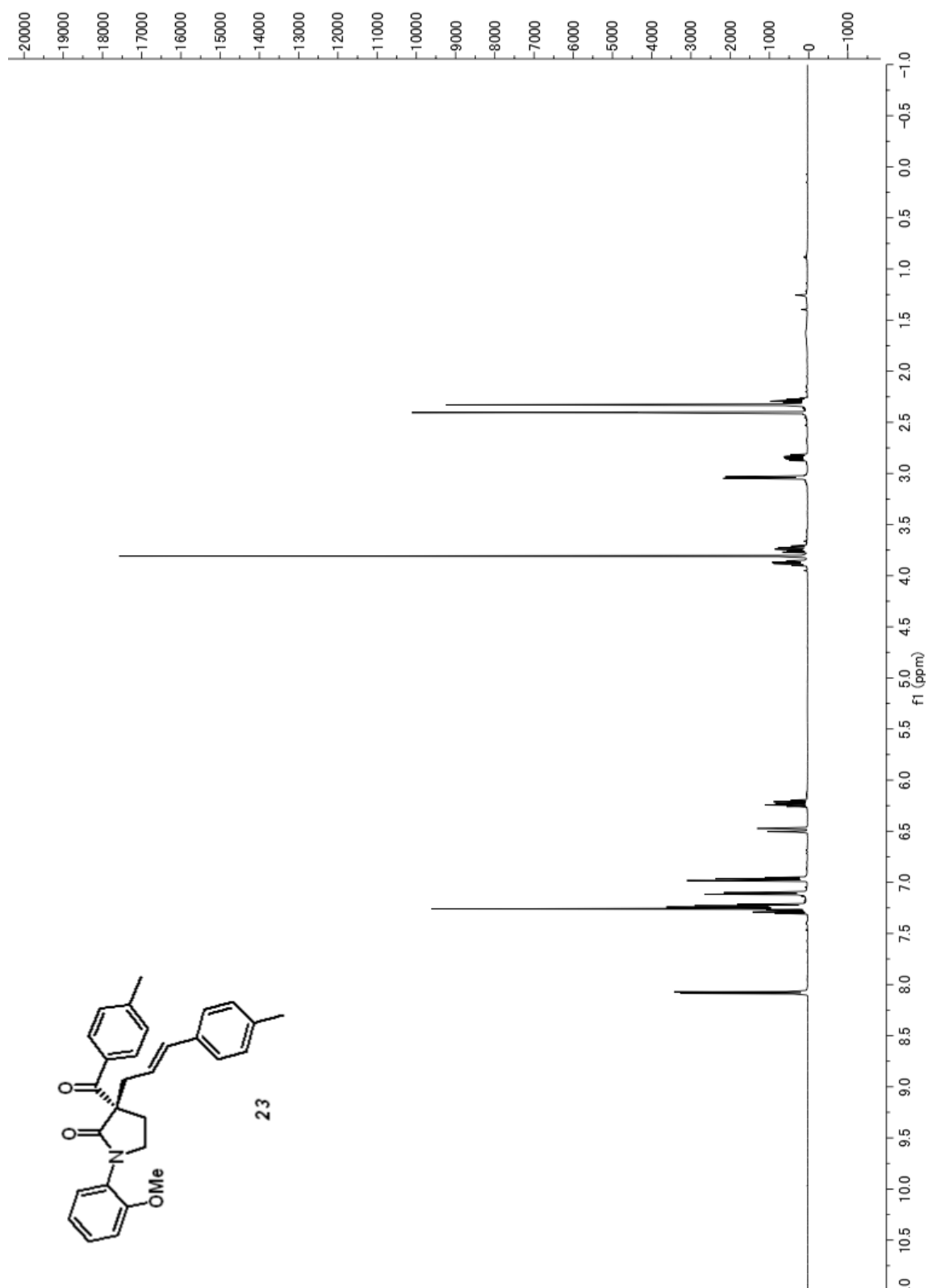
^1H NMR (500 MHz, CDCl_3) of compound **21**.

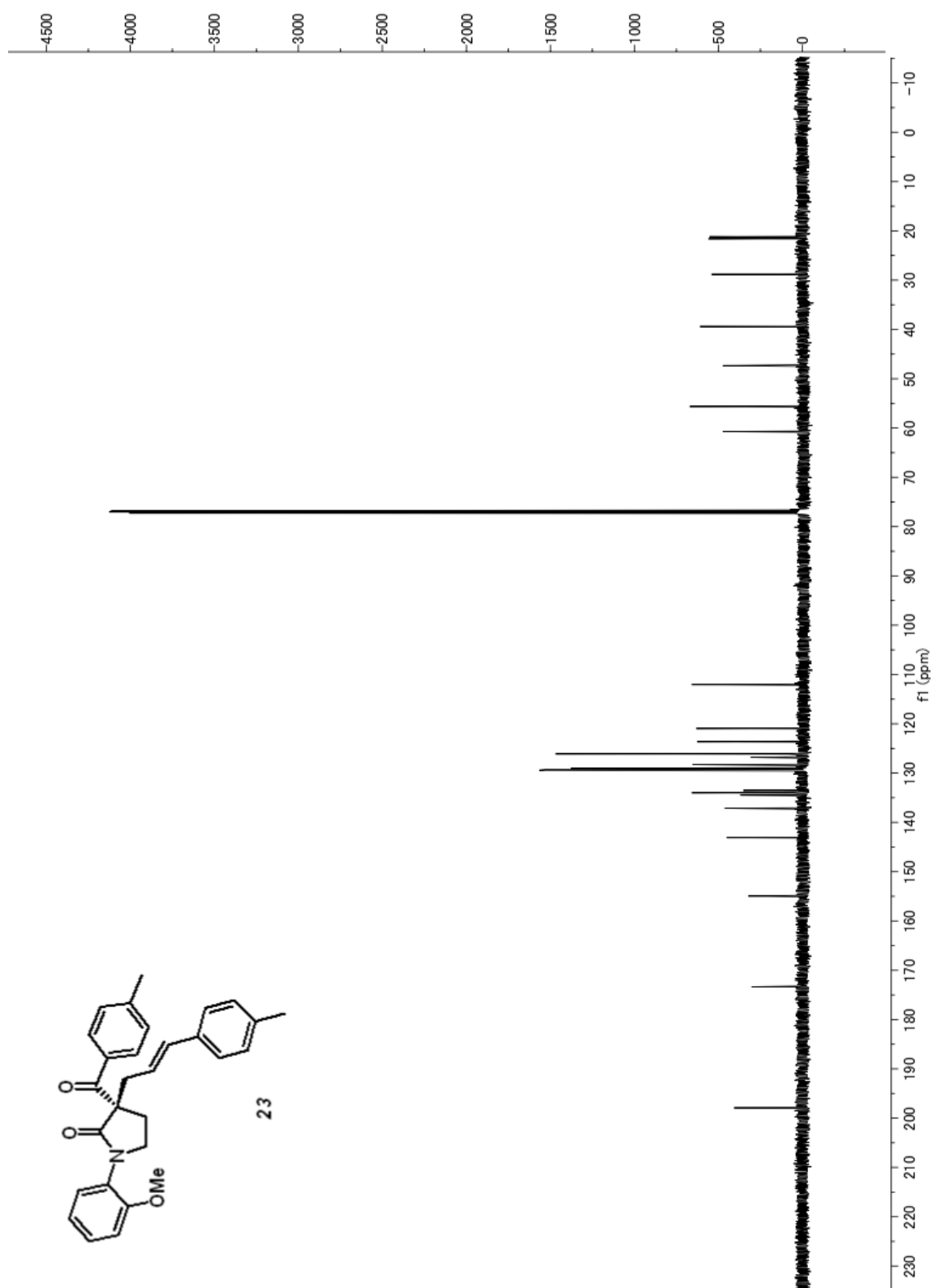
 ^{13}C NMR (126 MHz, CDCl_3) of compound **21**.

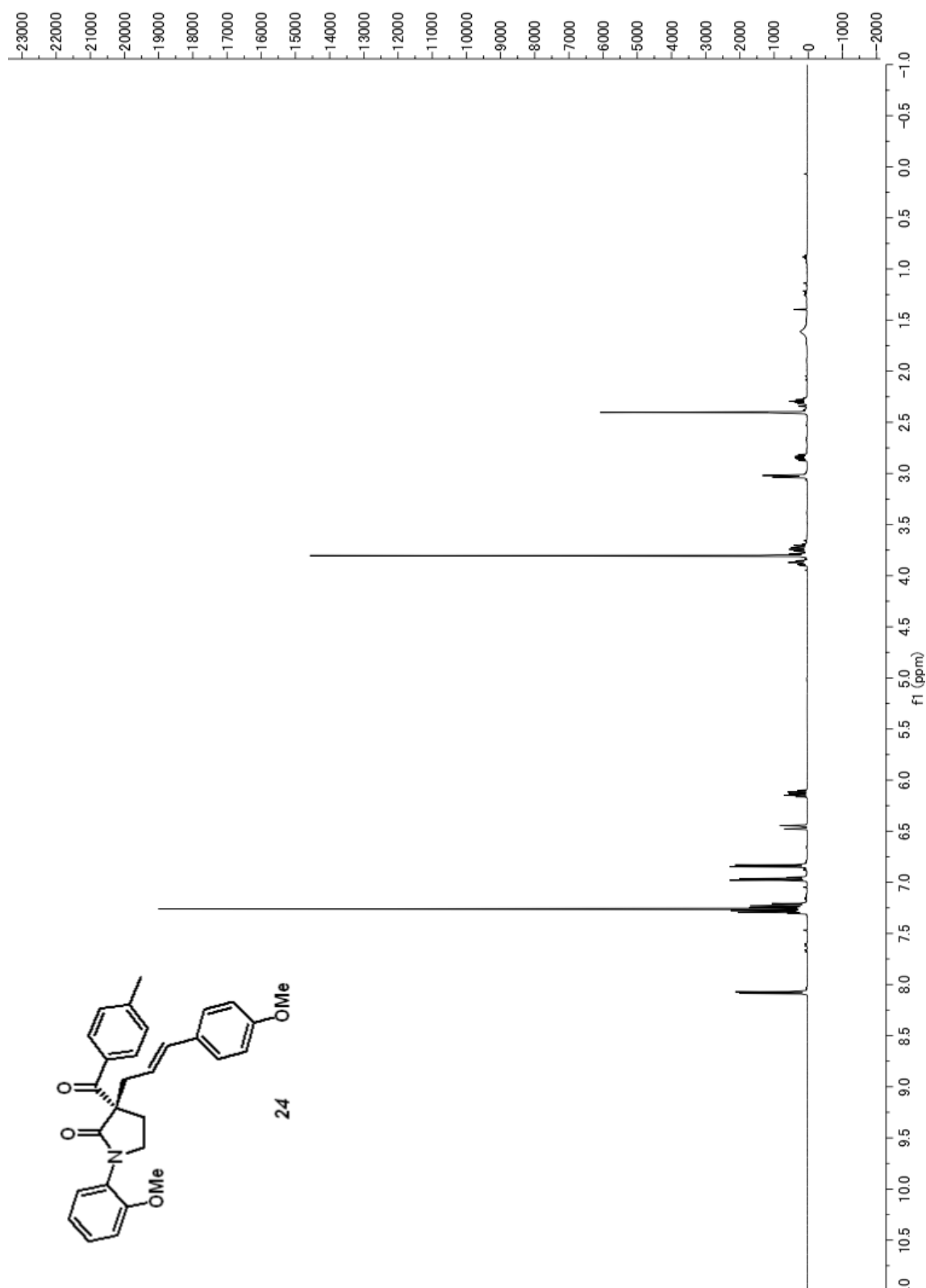


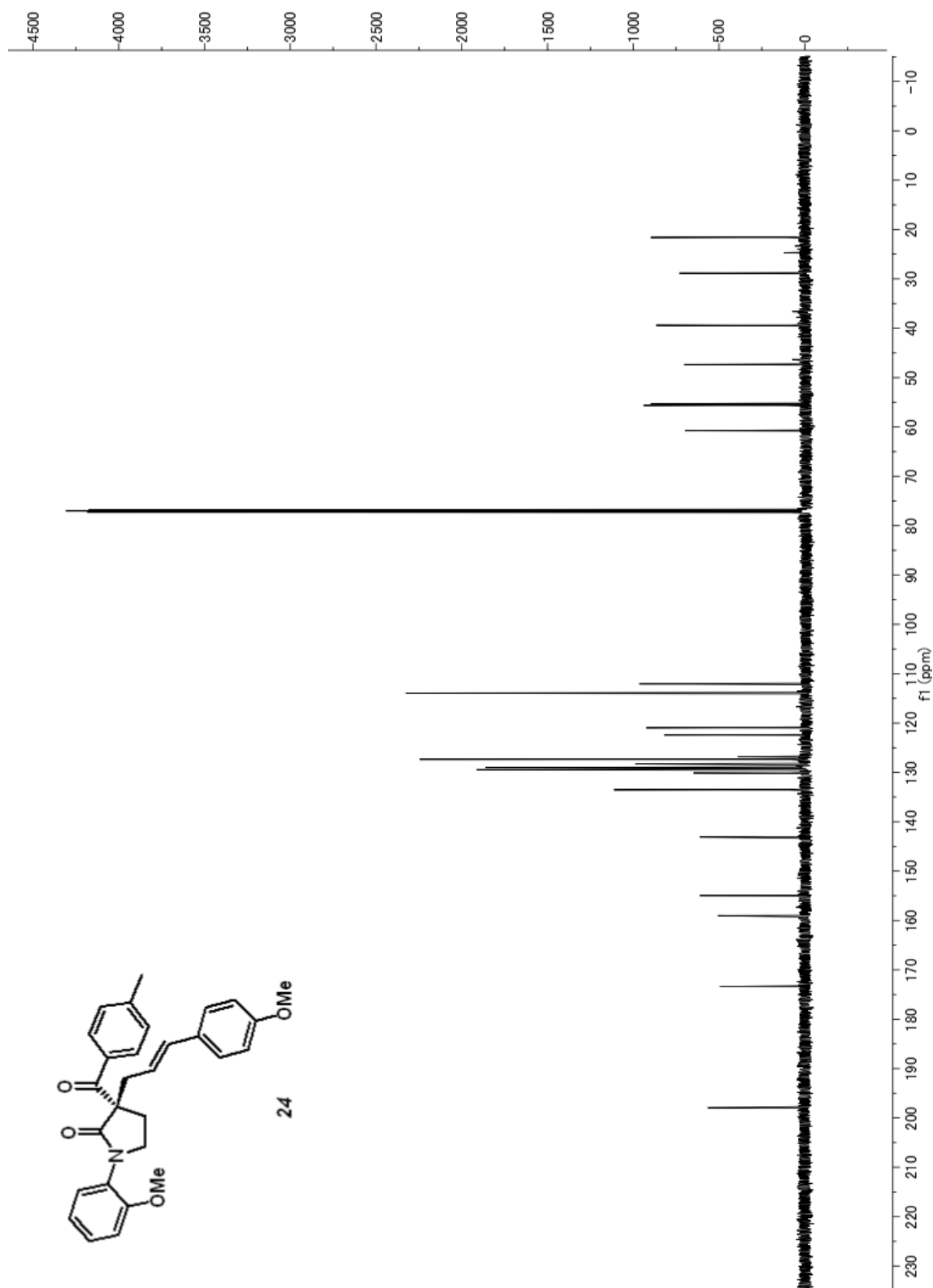
¹H NMR (500 MHz, CDCl₃) of compound **22**.

 ^{13}C NMR (126 MHz, CDCl_3) of compound **22**.

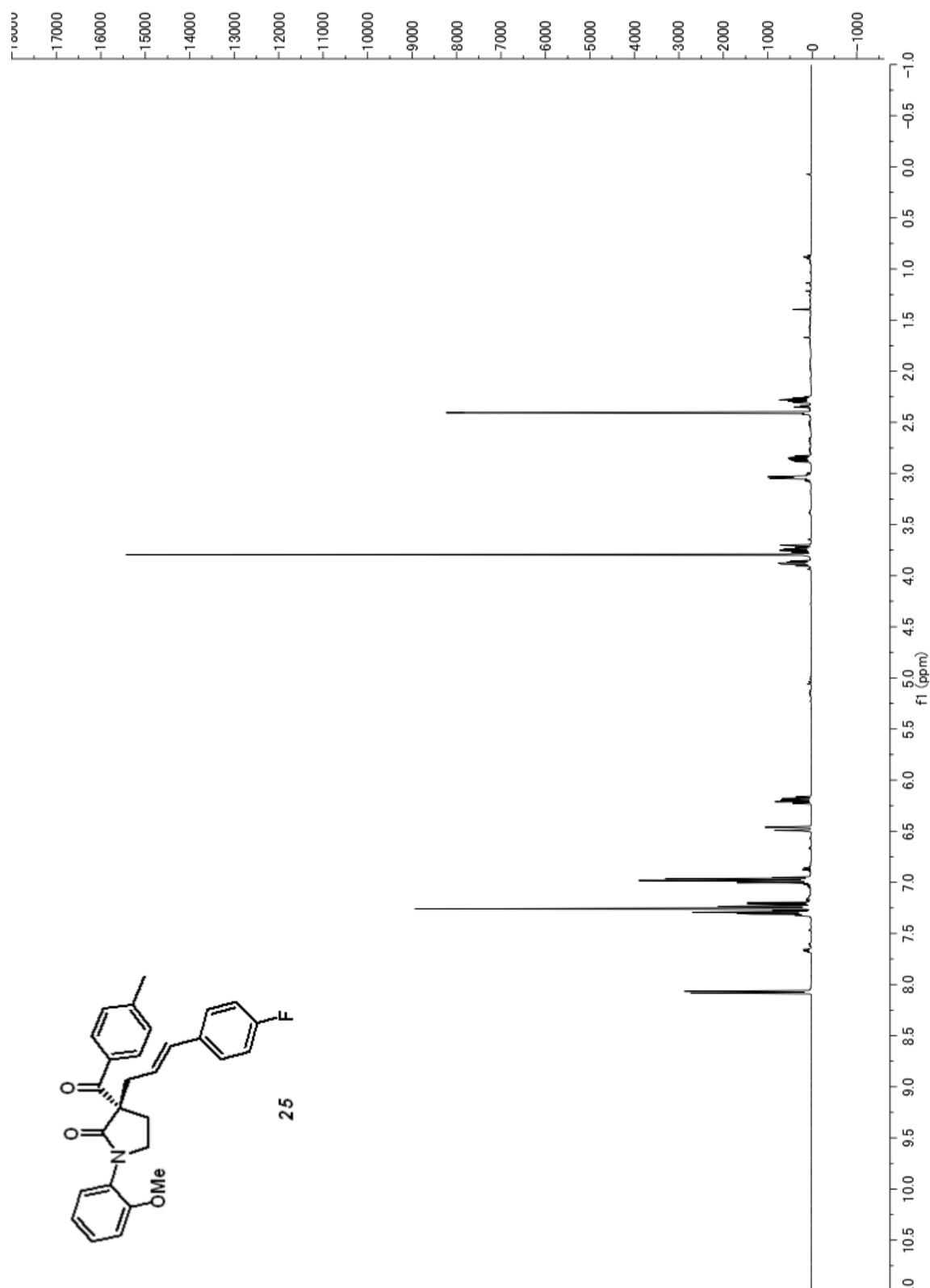
 ^1H NMR (500 MHz, CDCl_3) of compound **23**.

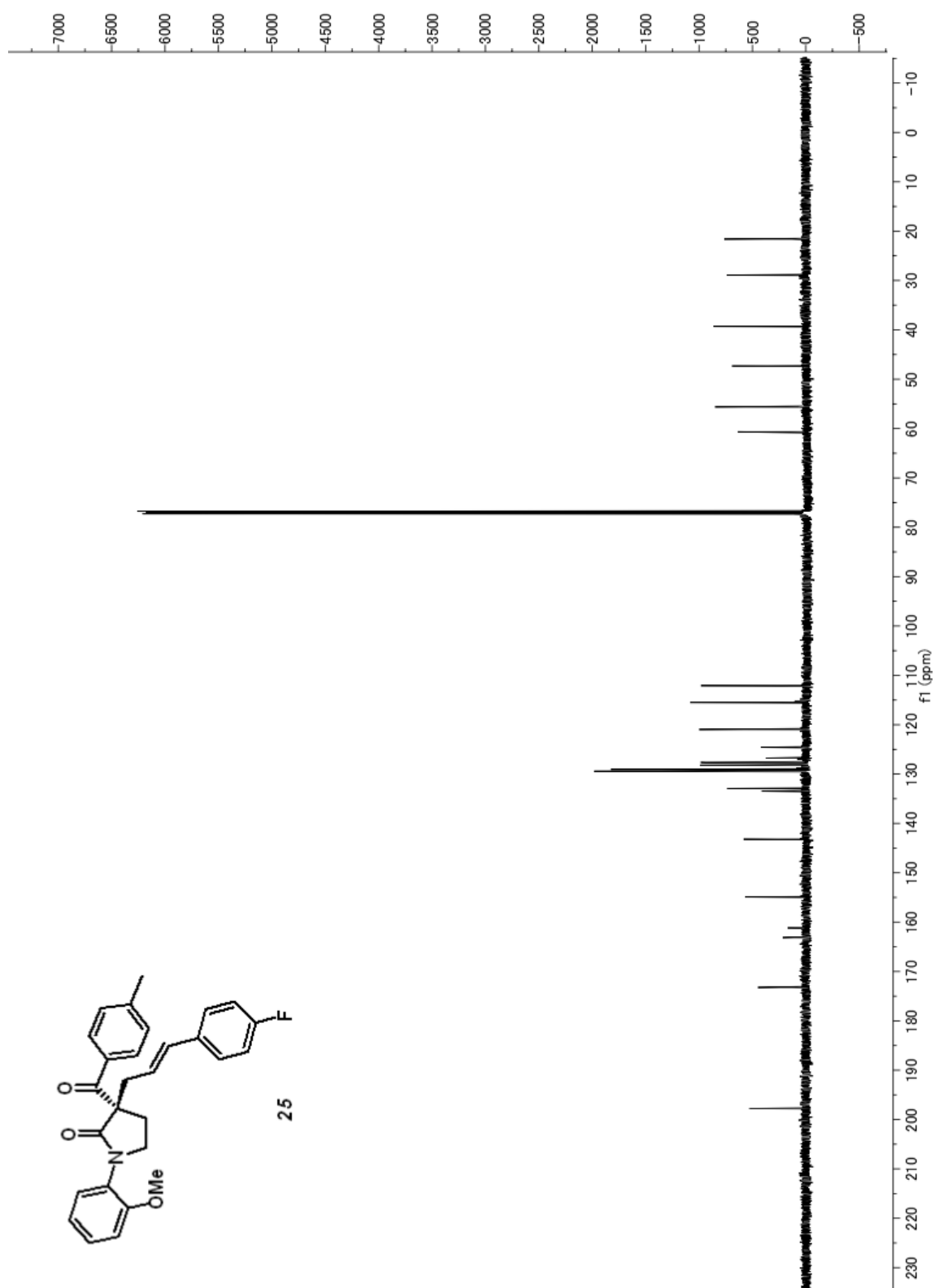
 ^{13}C NMR (126 MHz, CDCl_3) of compound **23**.

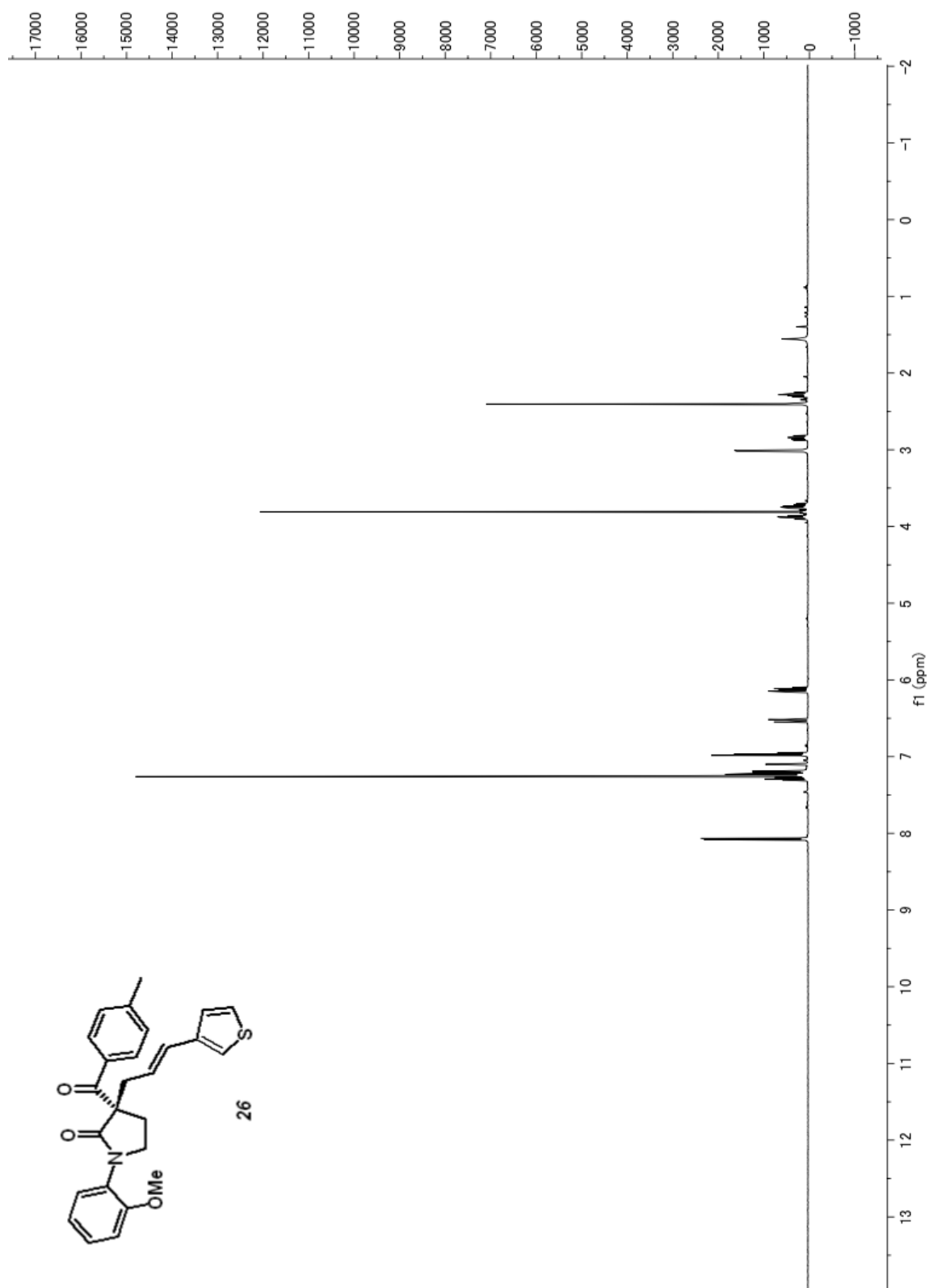




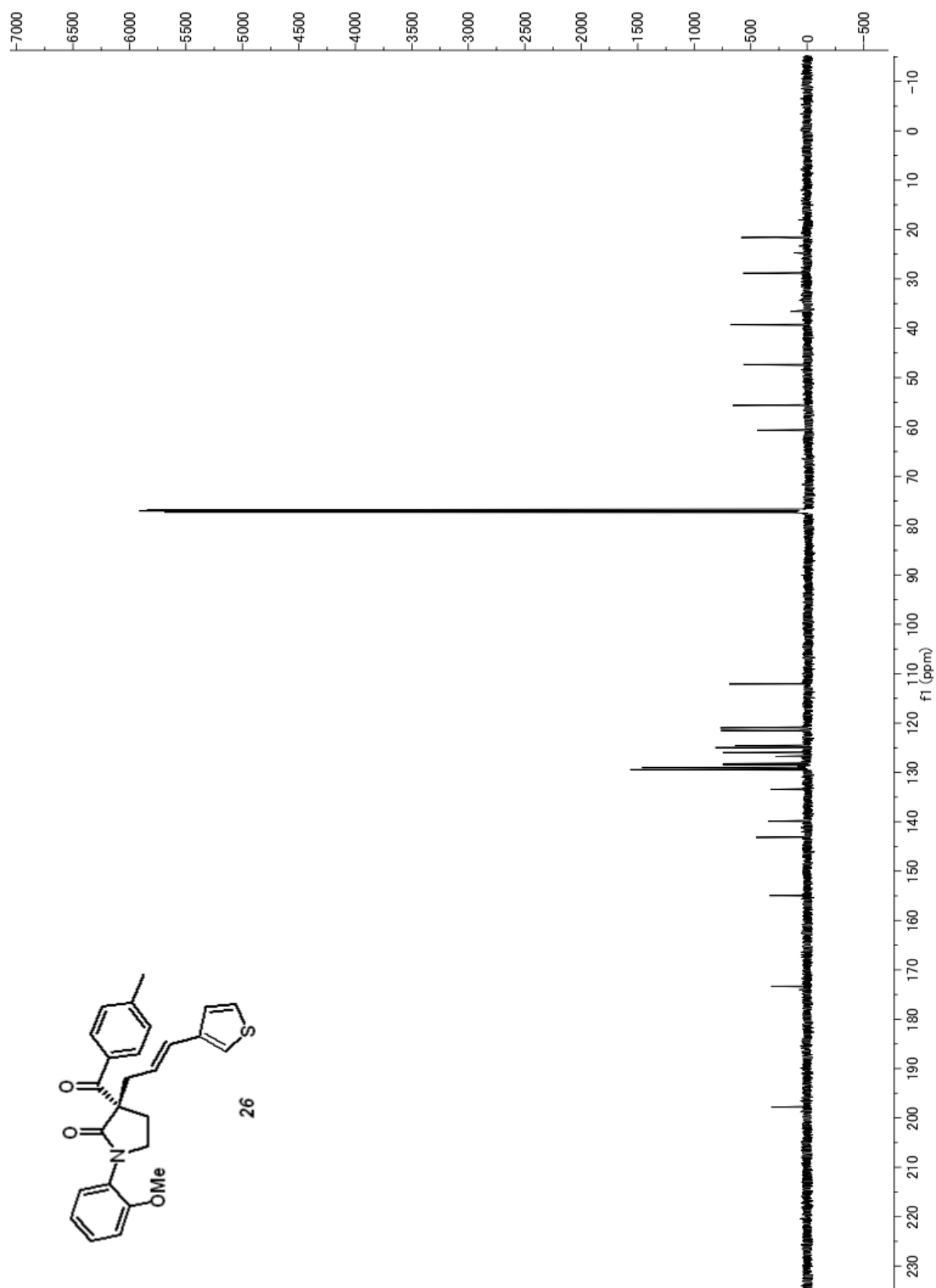
¹³C NMR (126 MHz, CDCl₃) of compound **24**.

 ^1H NMR (500 MHz, CDCl_3) of compound **25**.

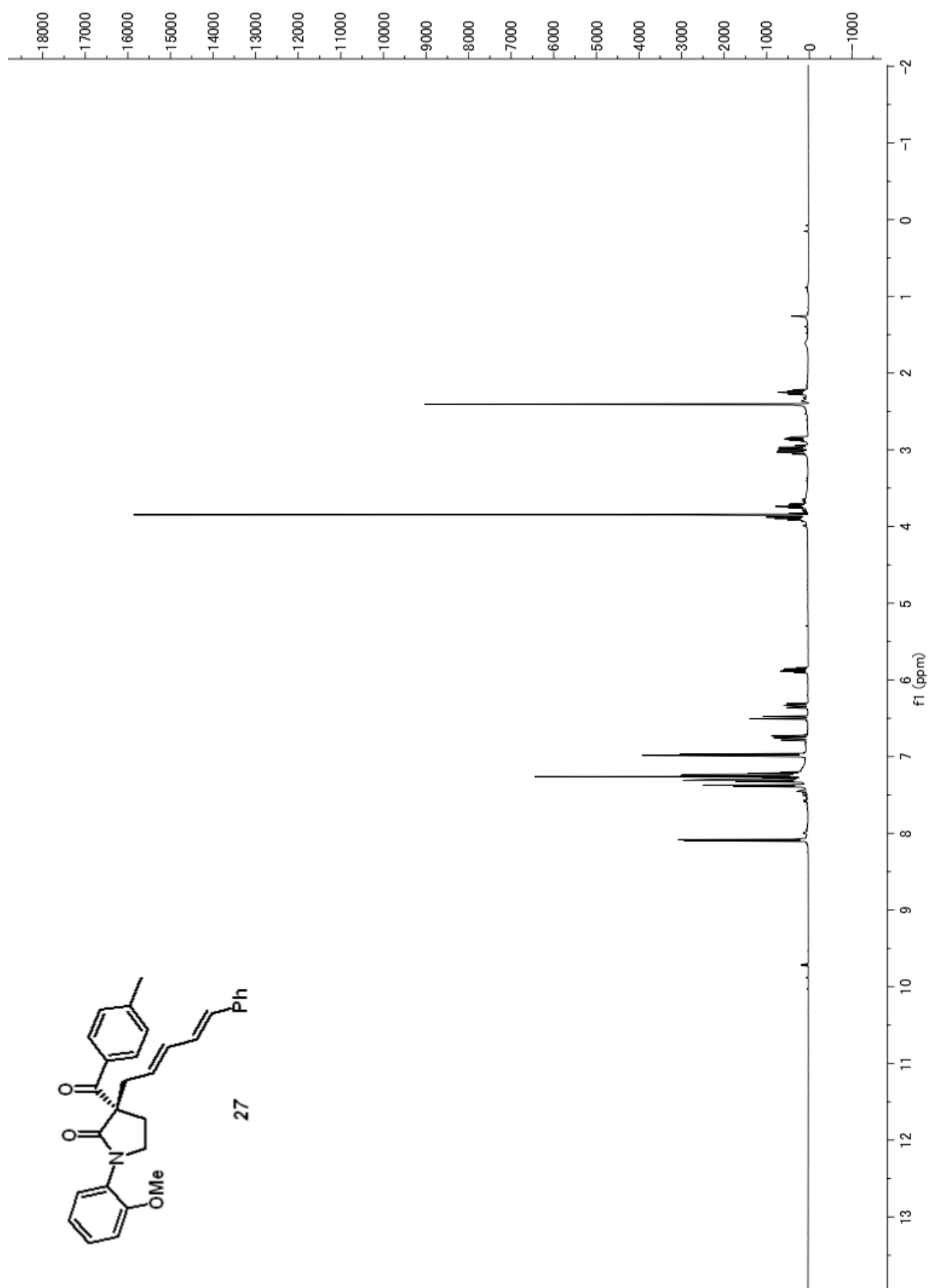
 ^{13}C NMR (126 MHz, CDCl_3) of compound **25**.



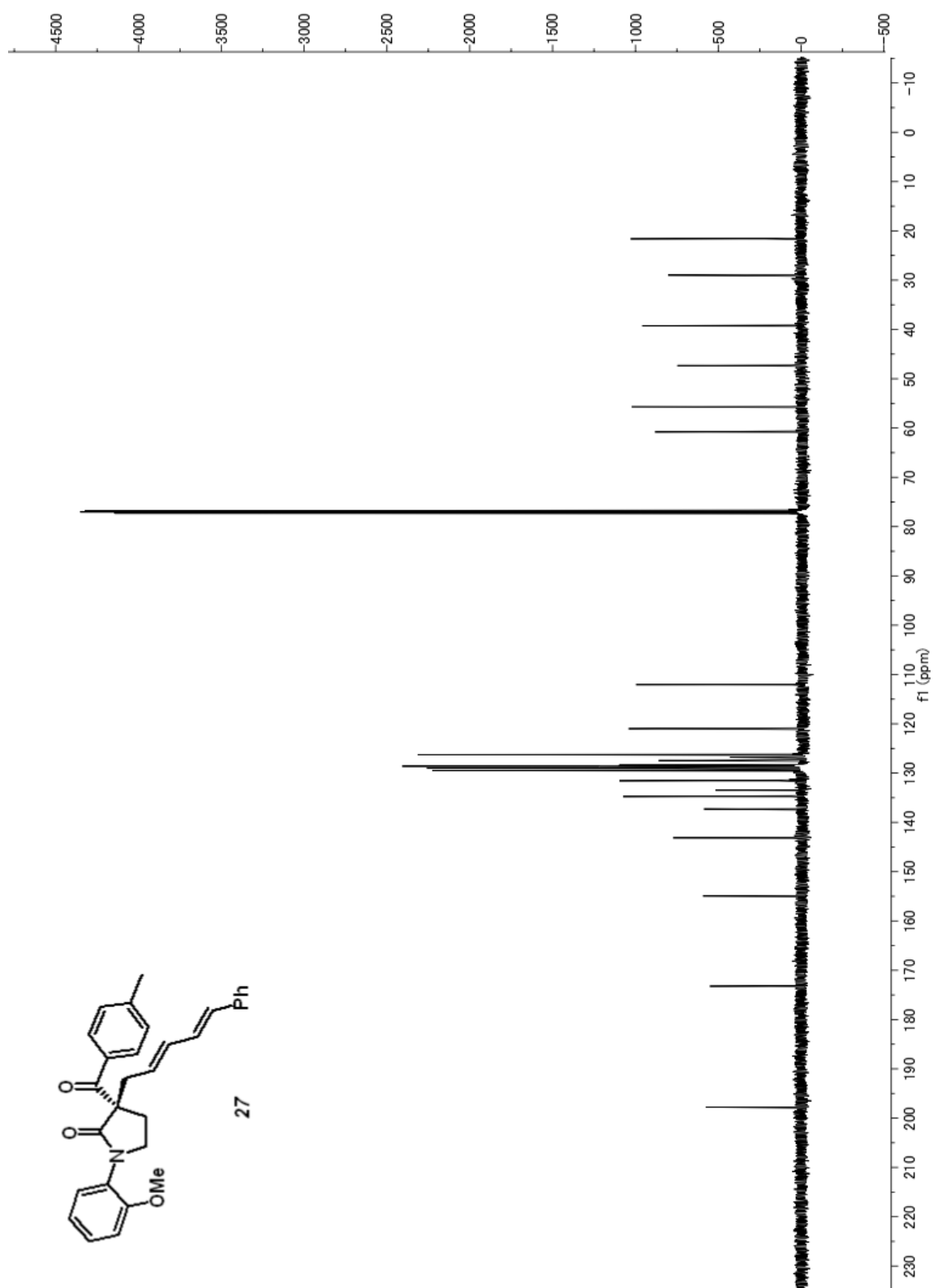
¹H NMR (500 MHz, CDCl₃) of compound **26**.

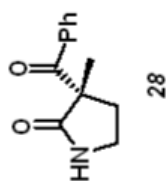
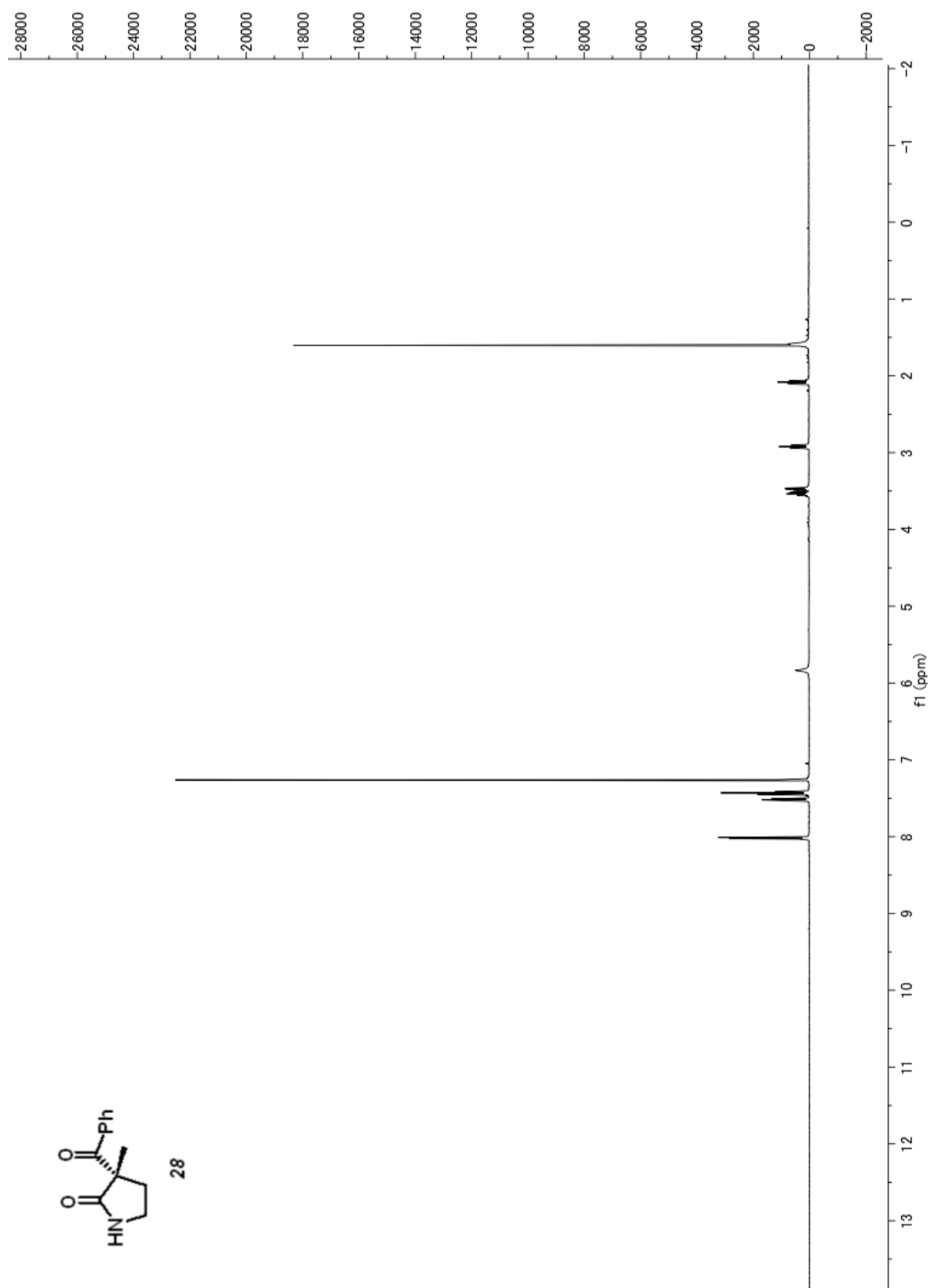


¹³C NMR (126 MHz, CDCl₃) of compound **26**.

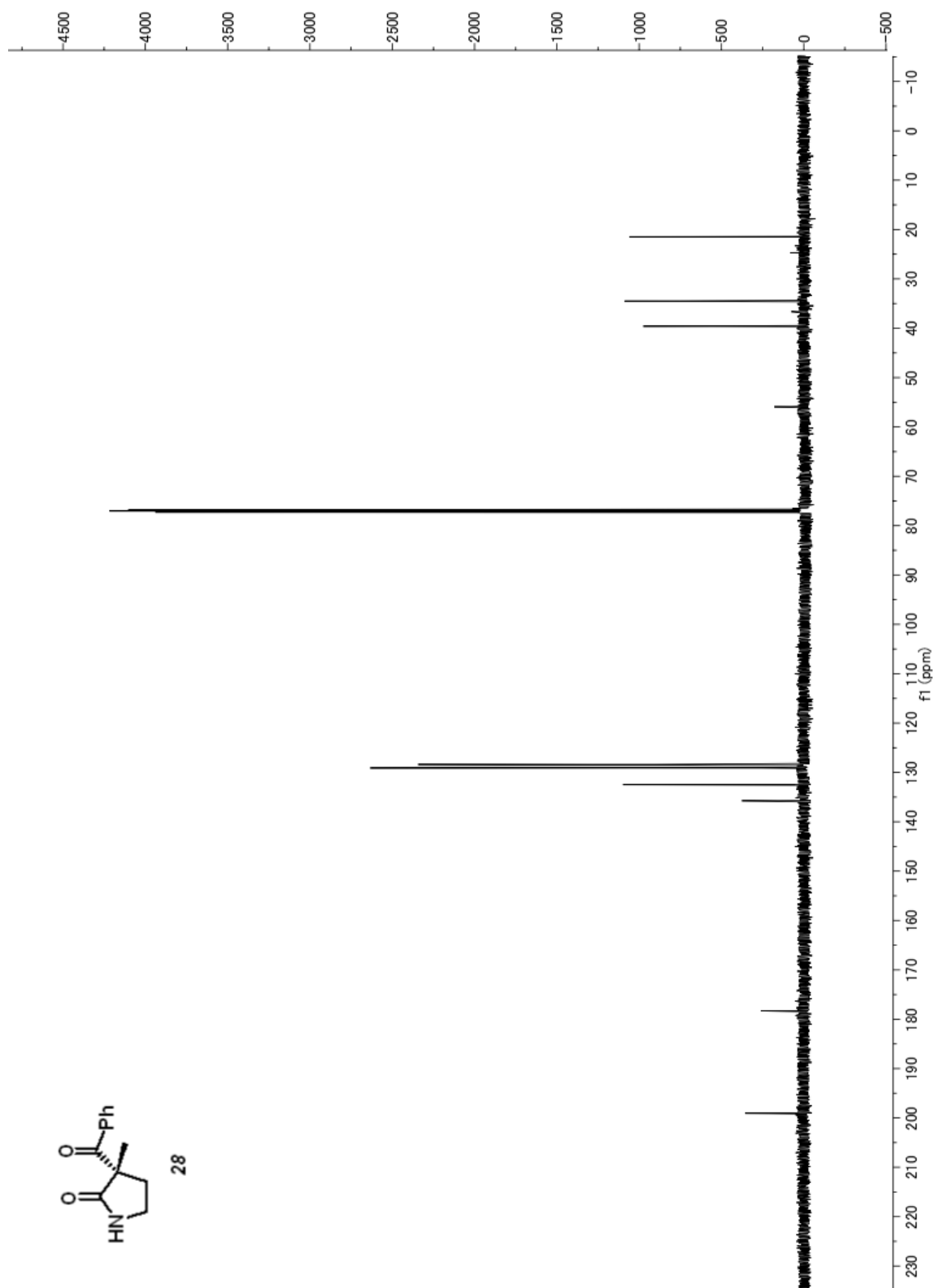


^1H NMR (500 MHz, CDCl_3) of compound **27**.

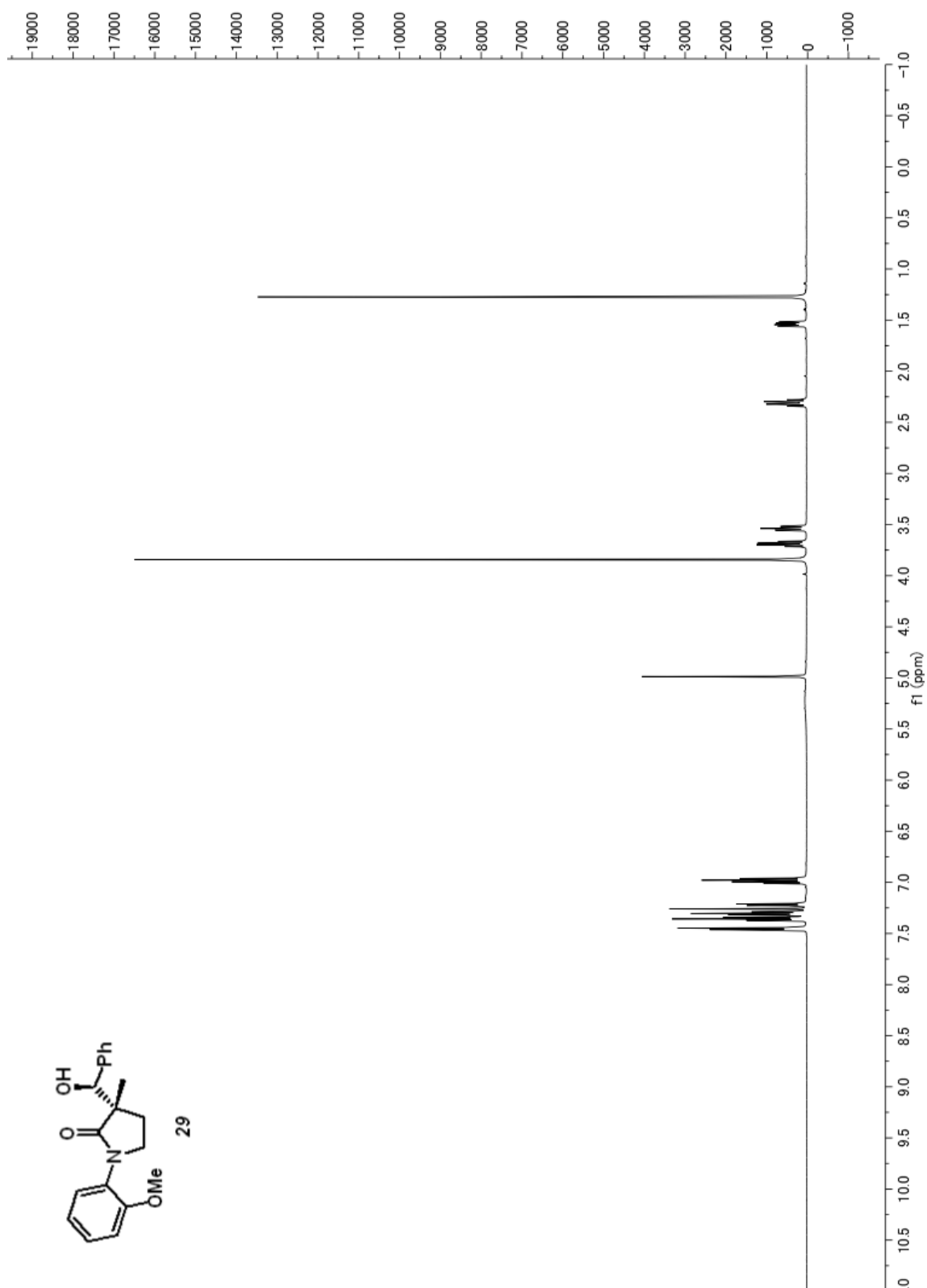
 ^{13}C NMR (126 MHz, CDCl_3) of compound **27**.



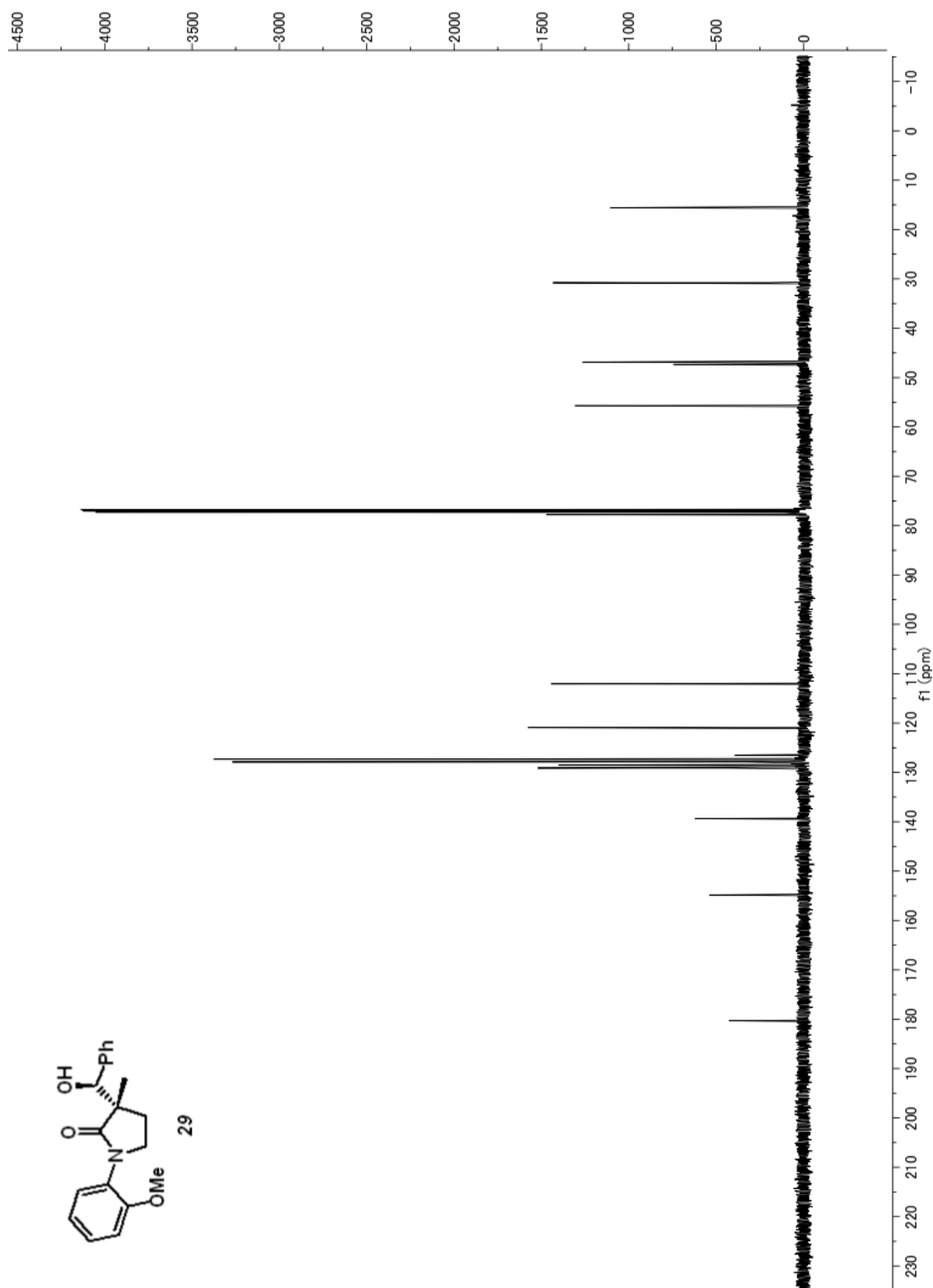
¹H NMR (500 MHz, CDCl₃) of compound **28**.



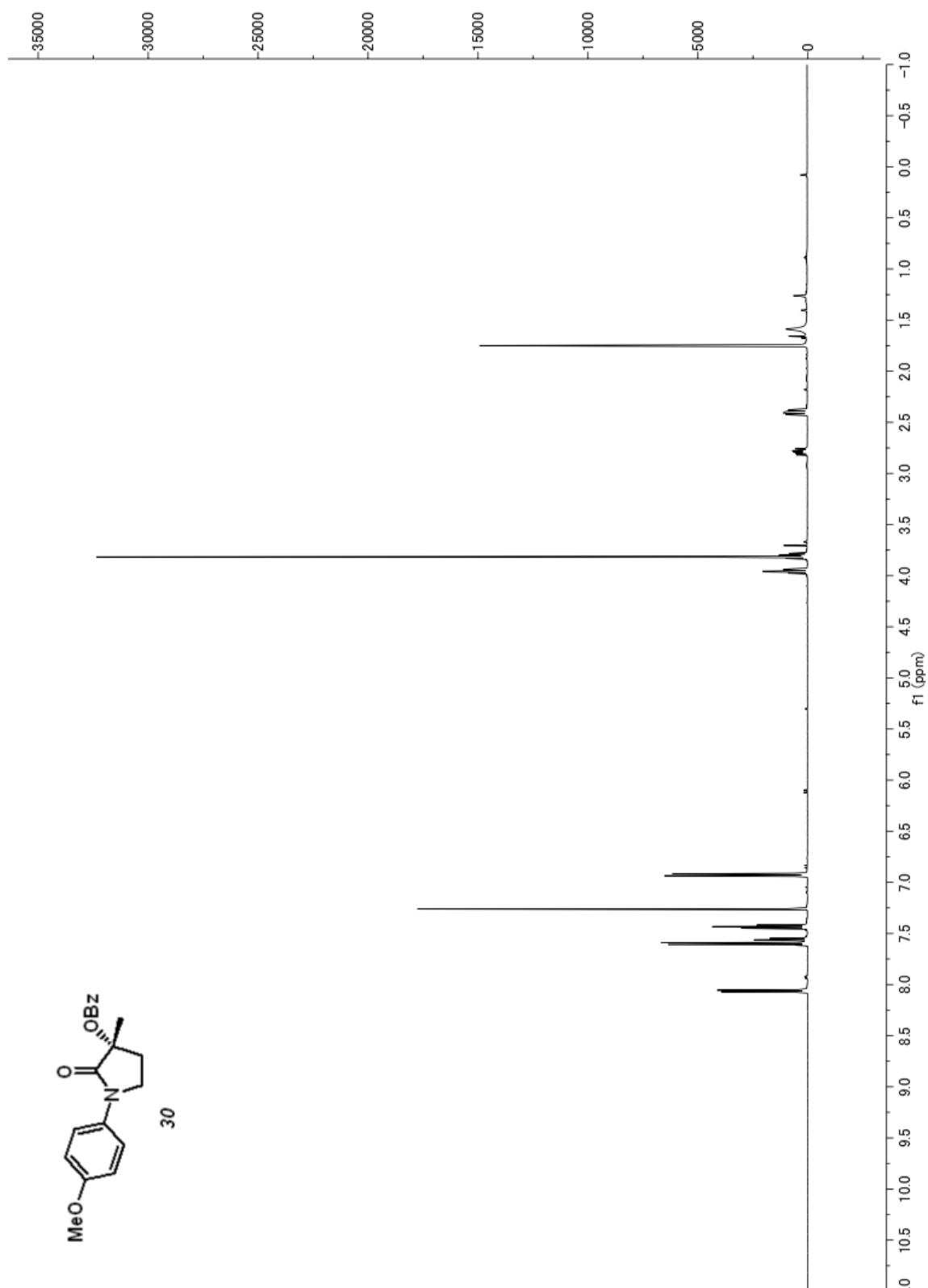
¹³C NMR (126 MHz, CDCl₃) of compound **28**.



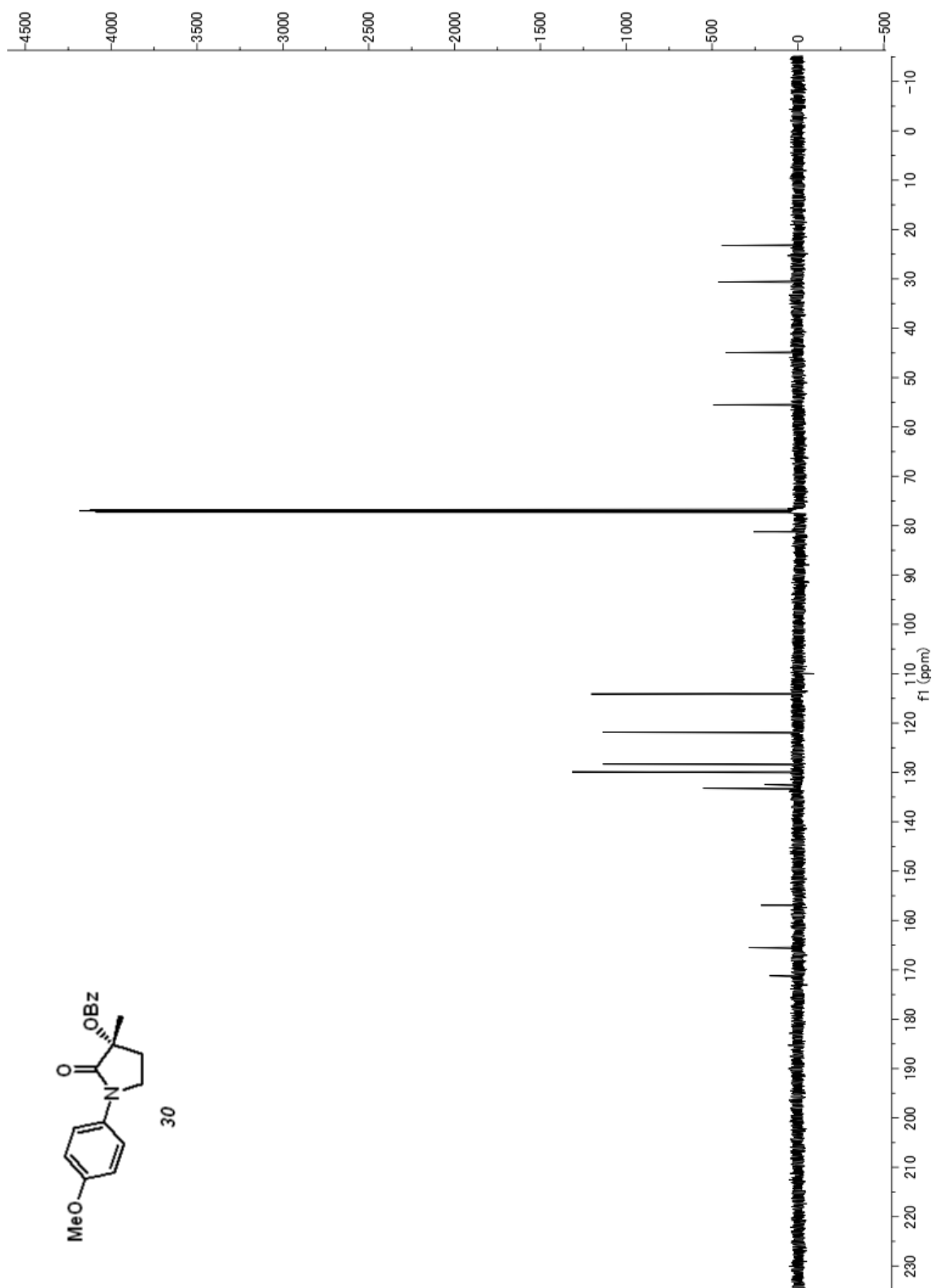
¹H NMR (500 MHz, CDCl₃) of compound **29**.



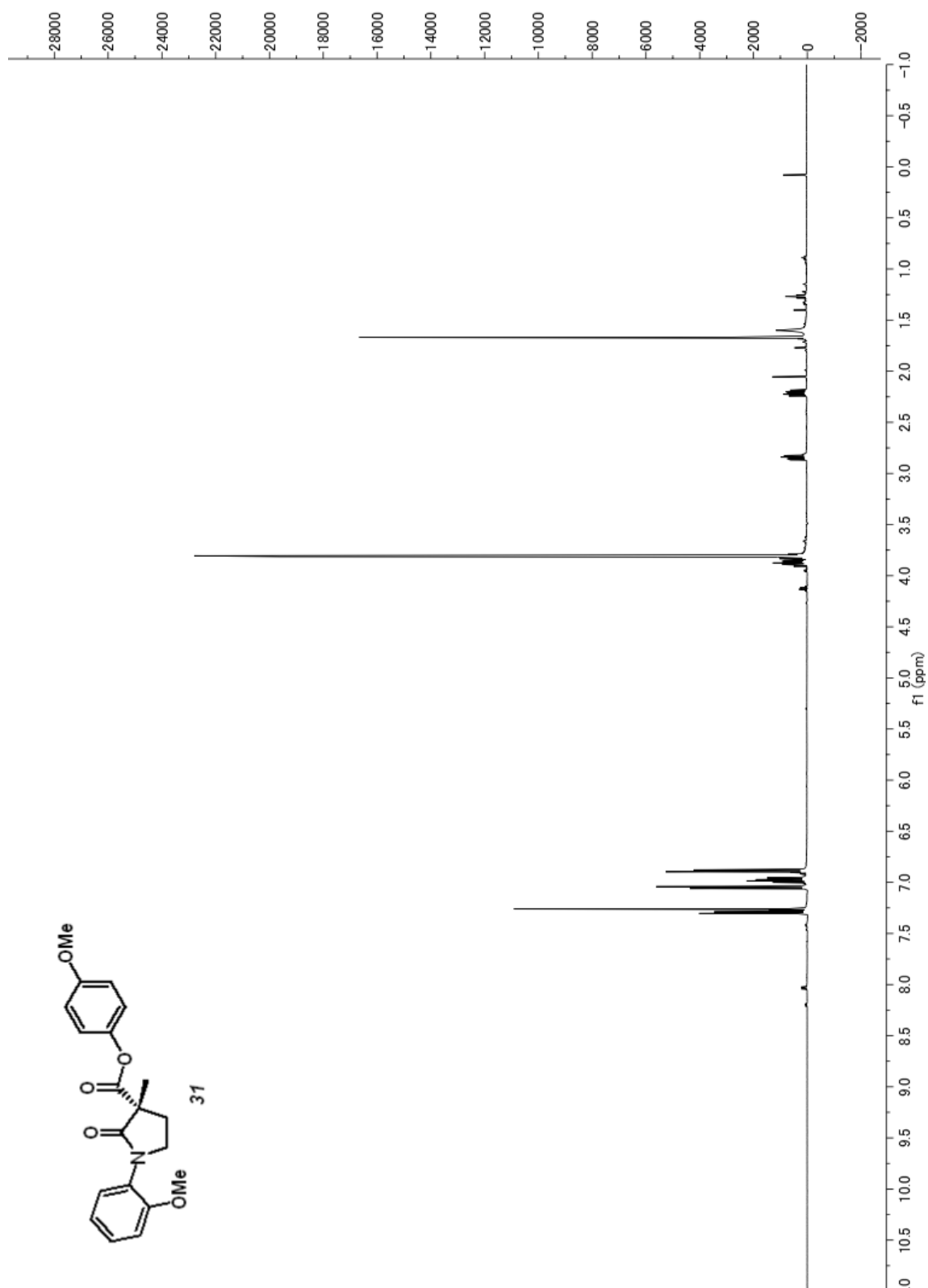
¹³C NMR (126 MHz, CDCl₃) of compound 29.



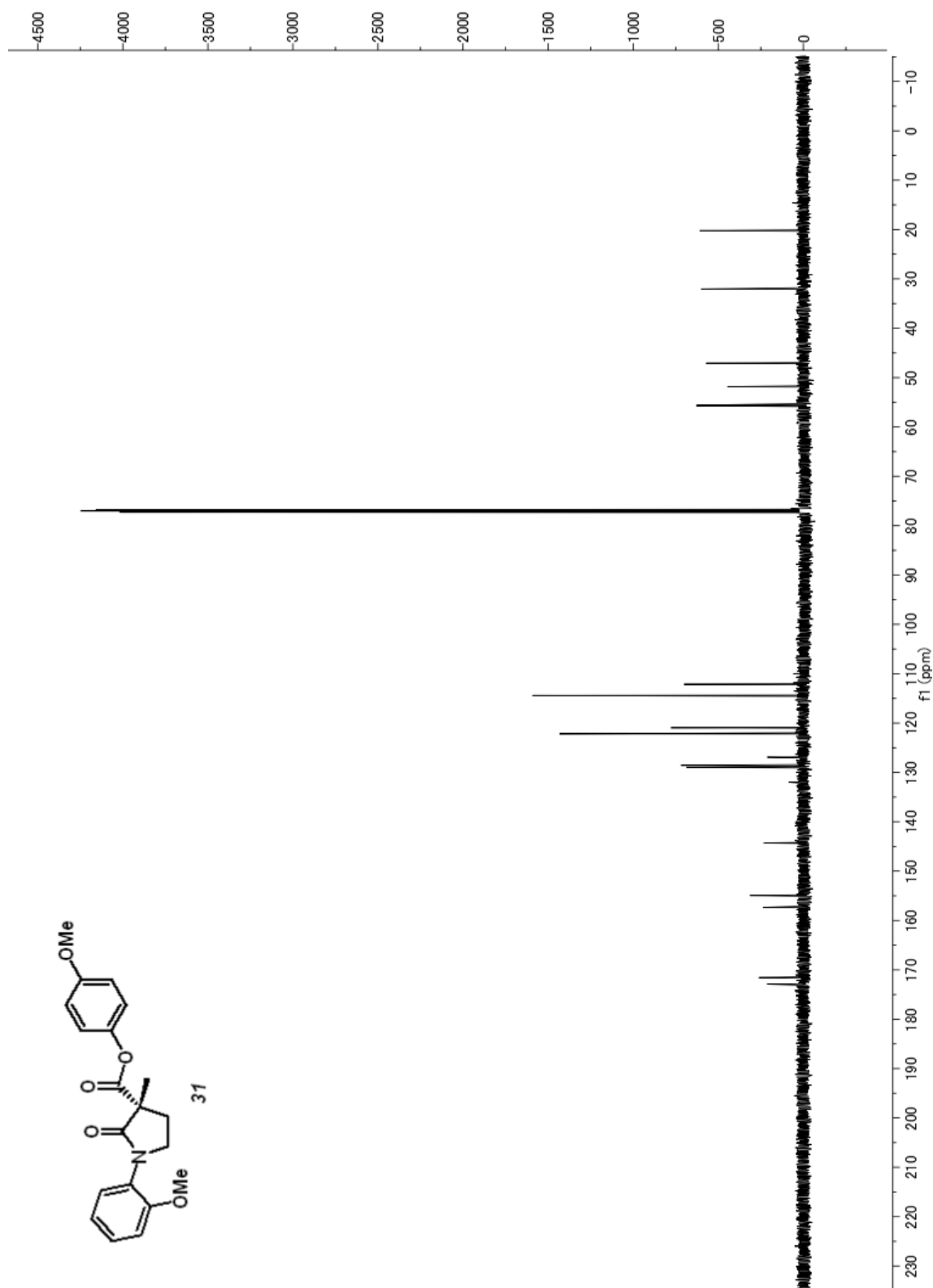
¹H NMR (500 MHz, CDCl₃) of compound **30**.



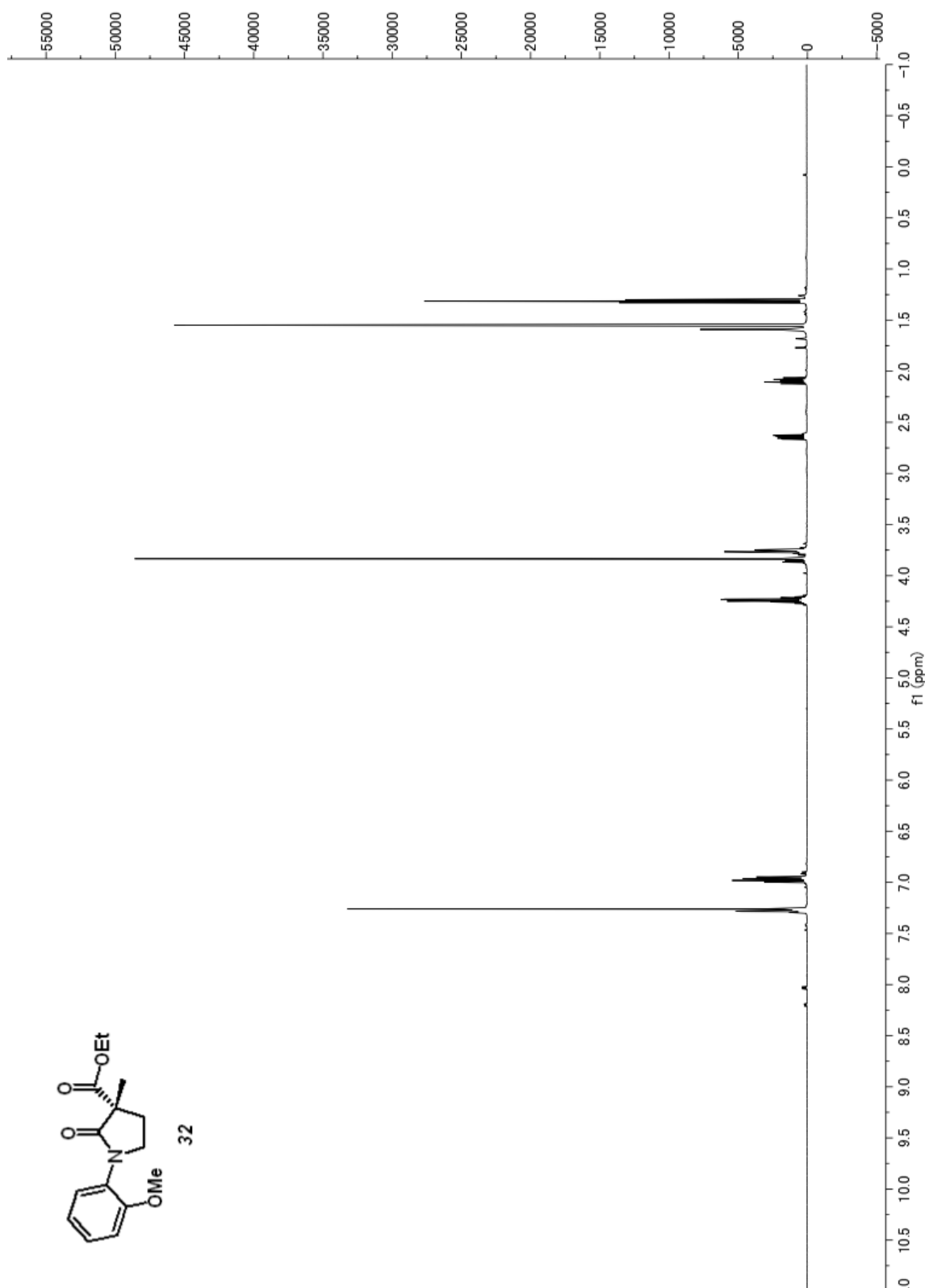
^{13}C NMR (126 MHz, CDCl_3) of compound **30**.



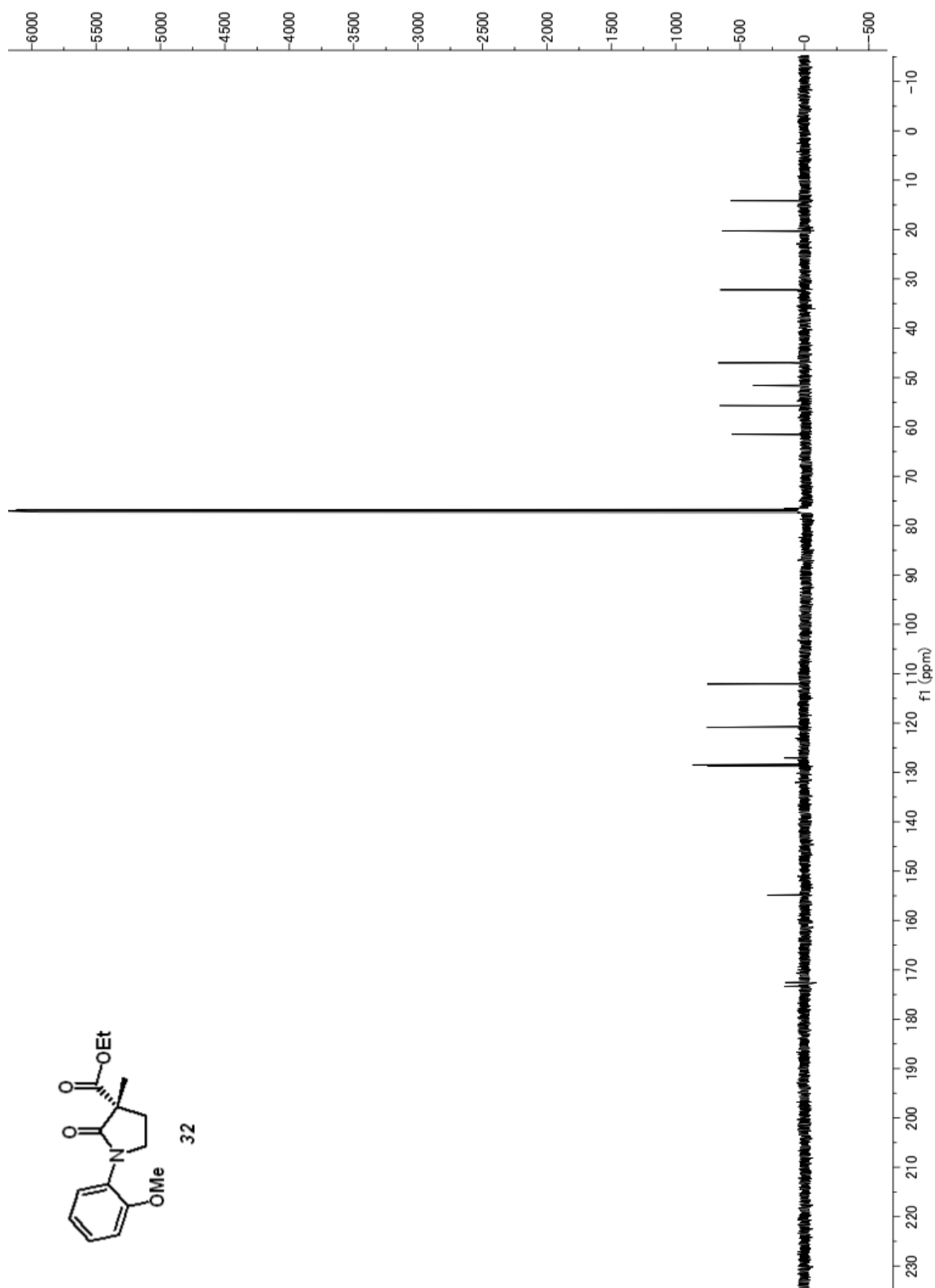
¹H NMR (500 MHz, CDCl₃) of compound **31**.



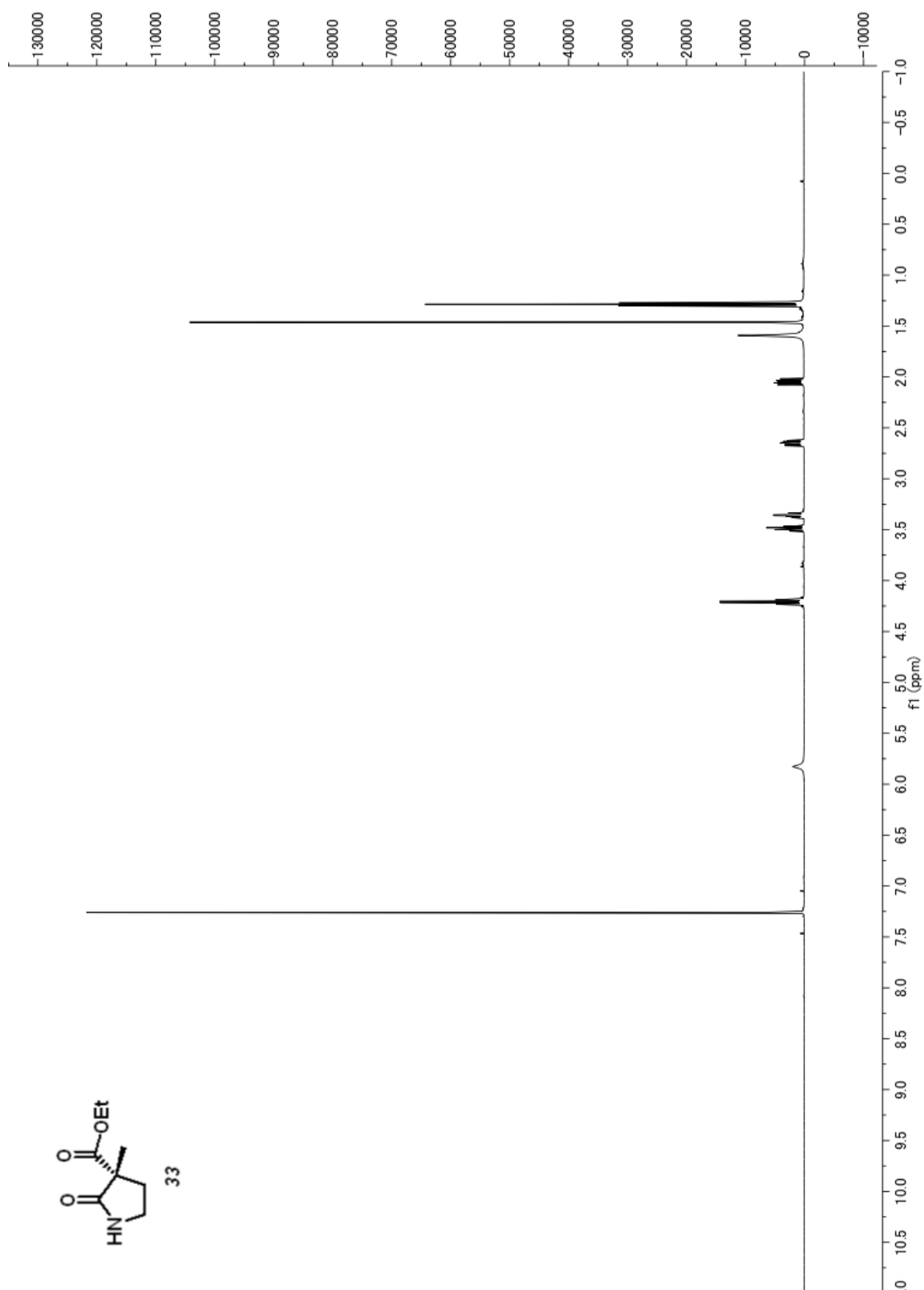
¹³C NMR (126 MHz, CDCl₃) of compound **31**.



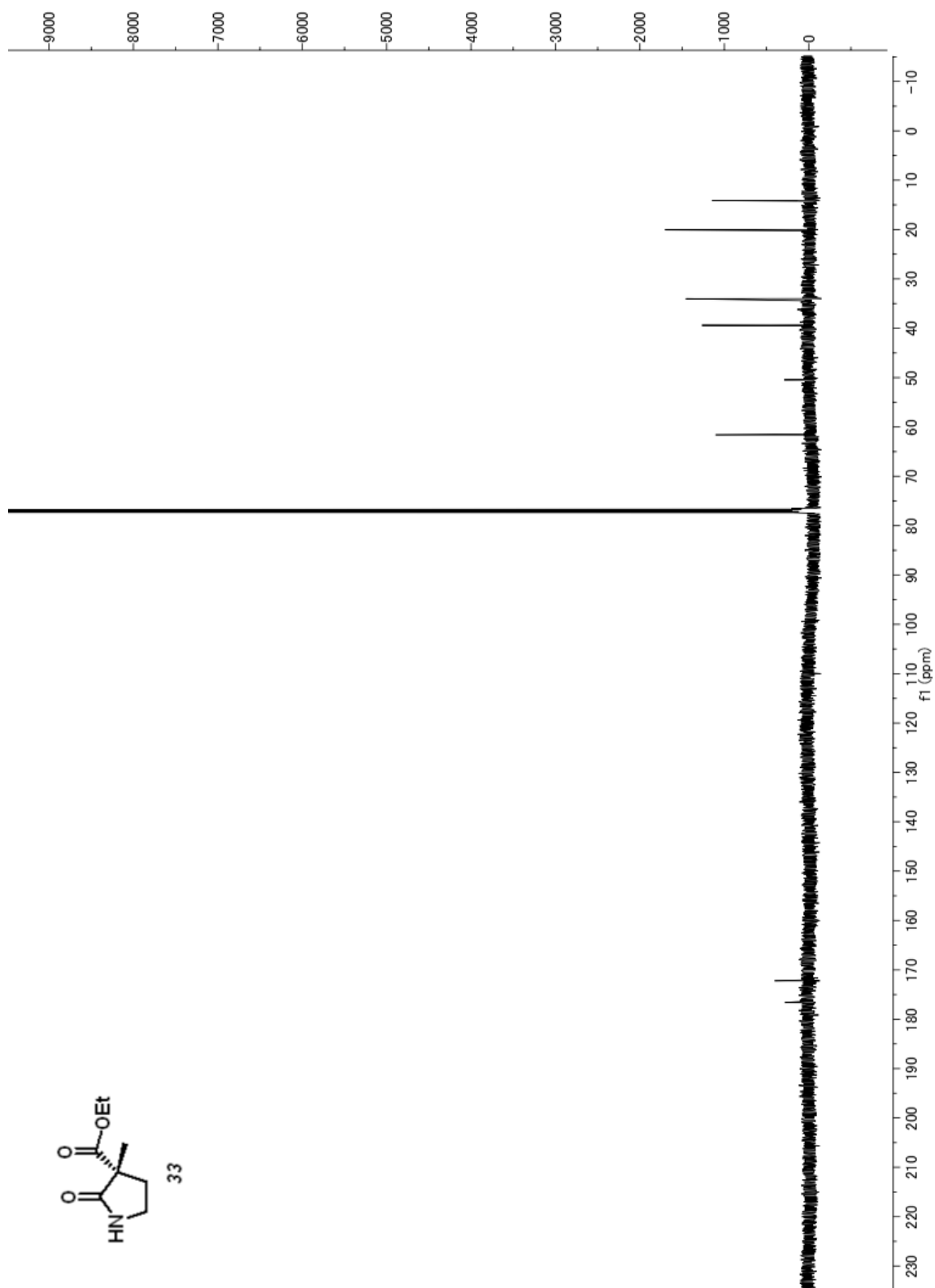
¹H NMR (500 MHz, CDCl₃) of compound **32**.



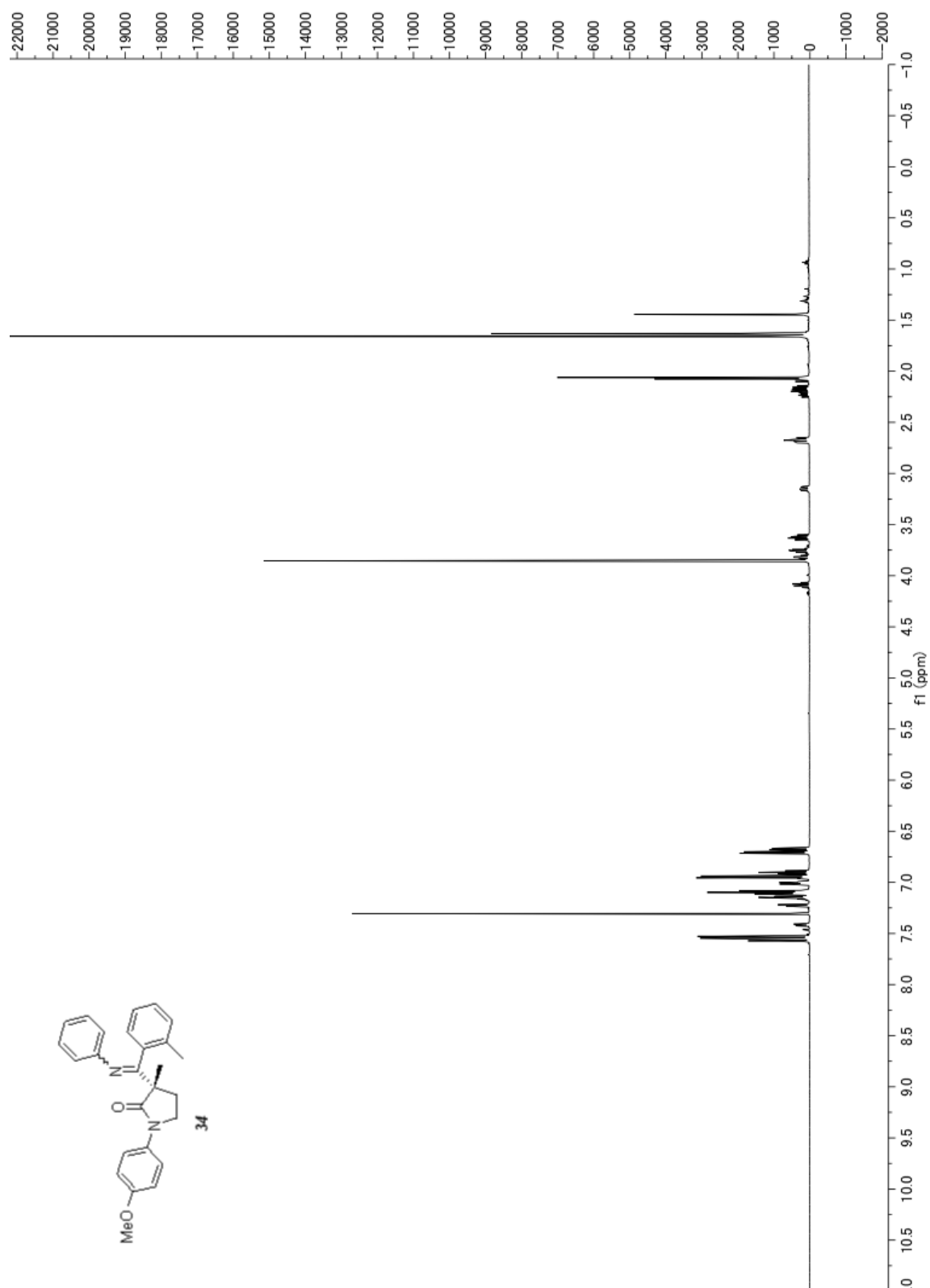
¹³C NMR (126 MHz, CDCl₃) of compound **32**.



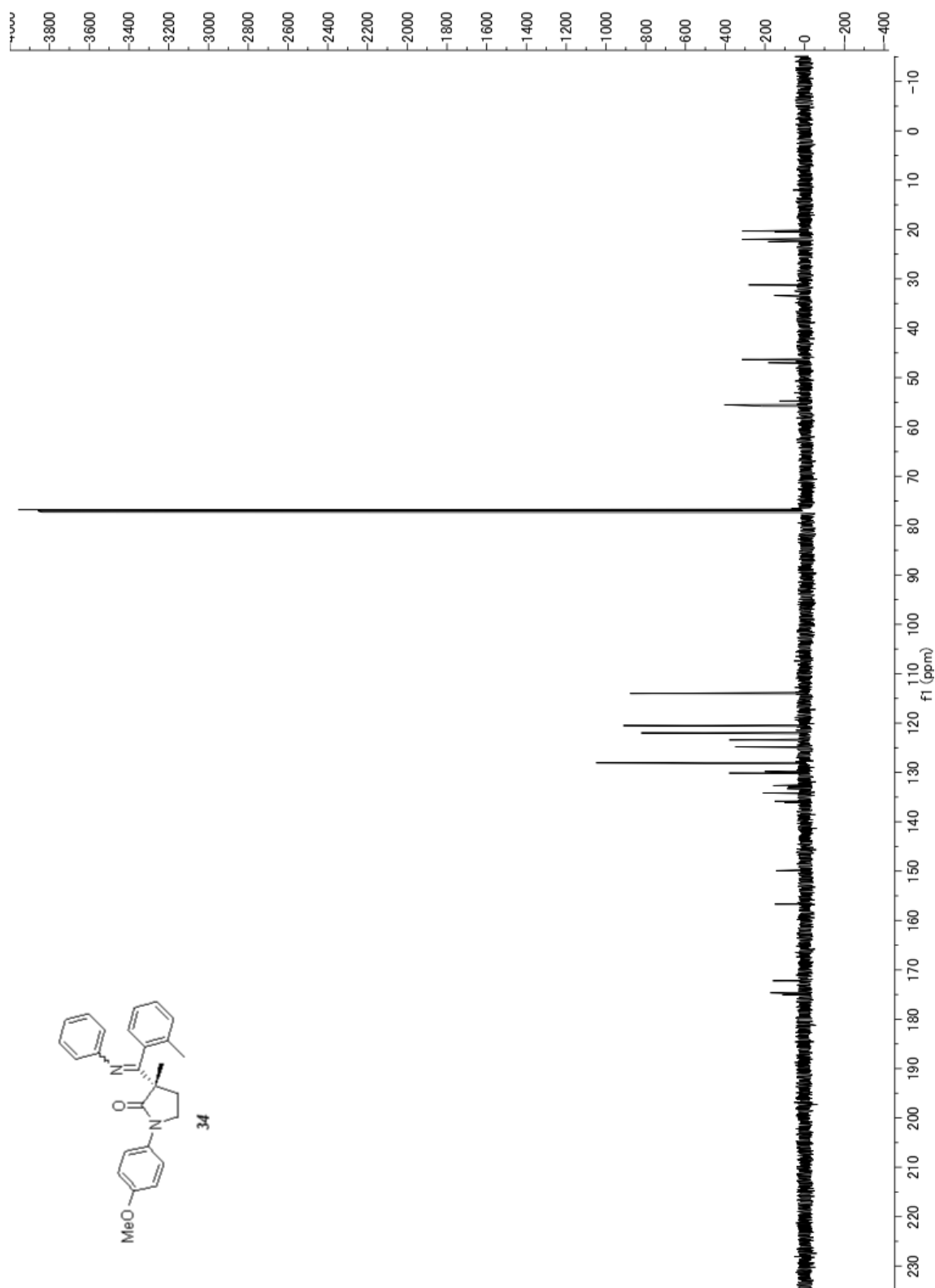
¹H NMR (500 MHz, CDCl₃) of compound **33**.

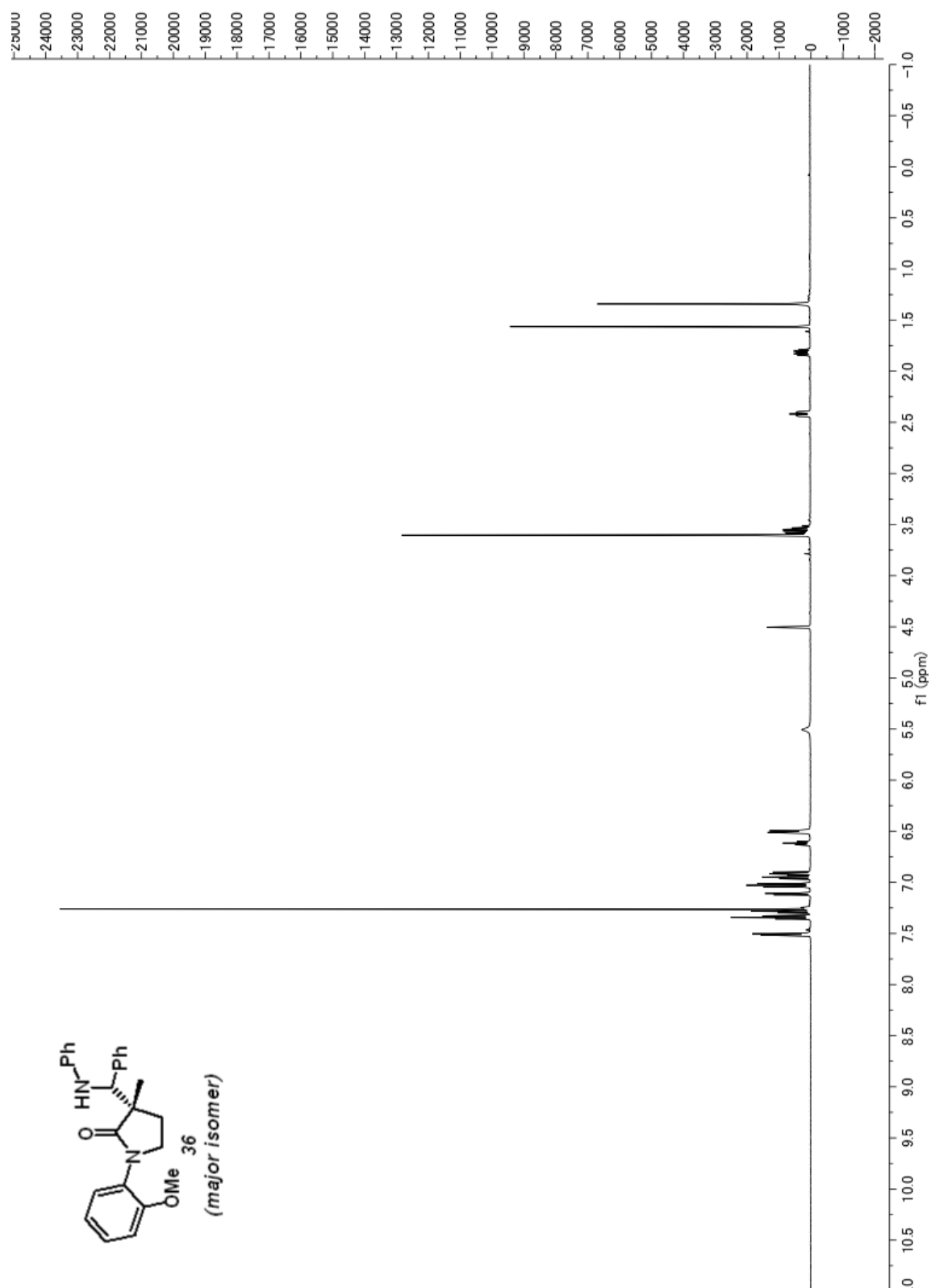


^{13}C NMR (126 MHz, CDCl_3) of compound **33**.

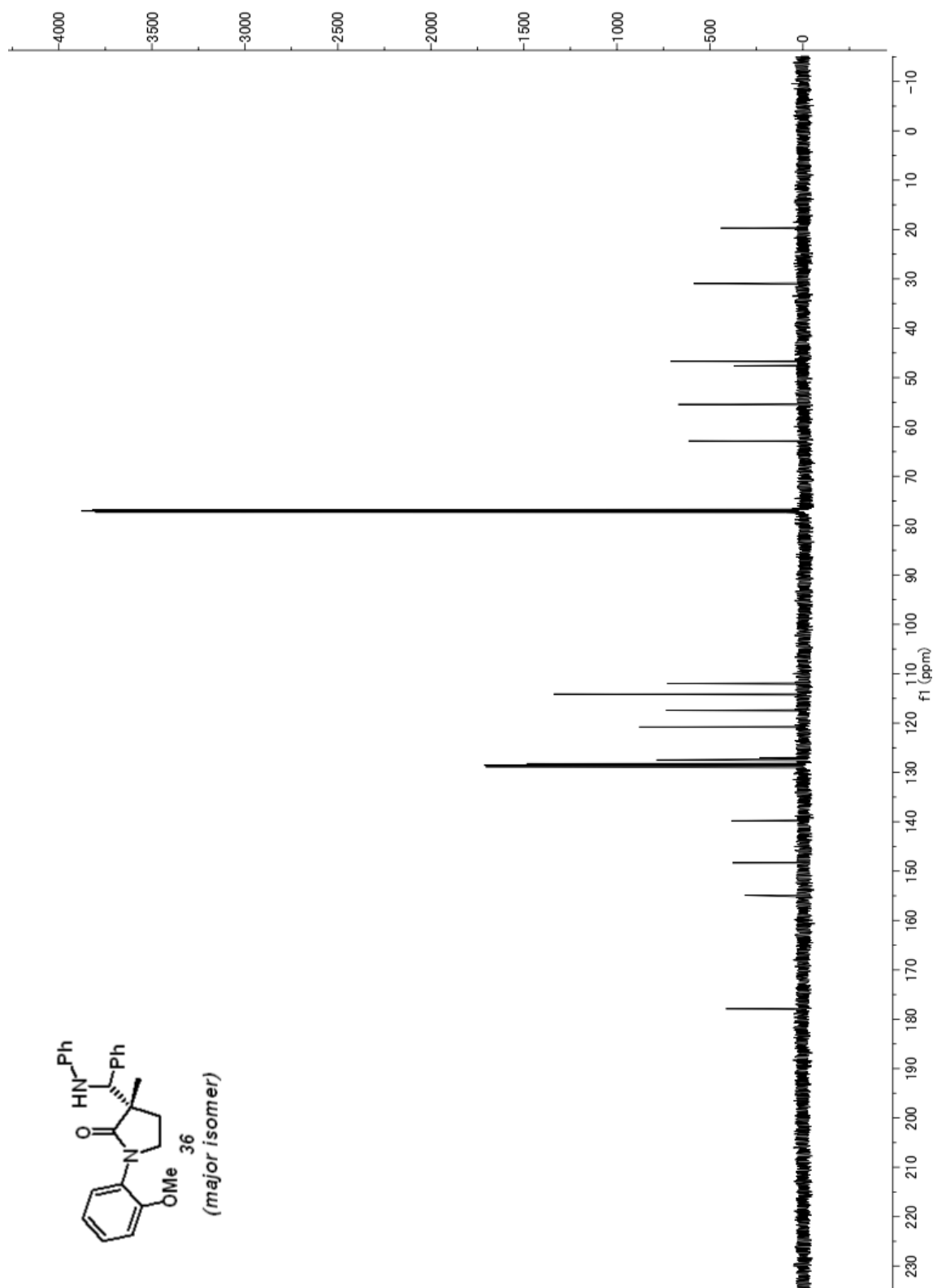


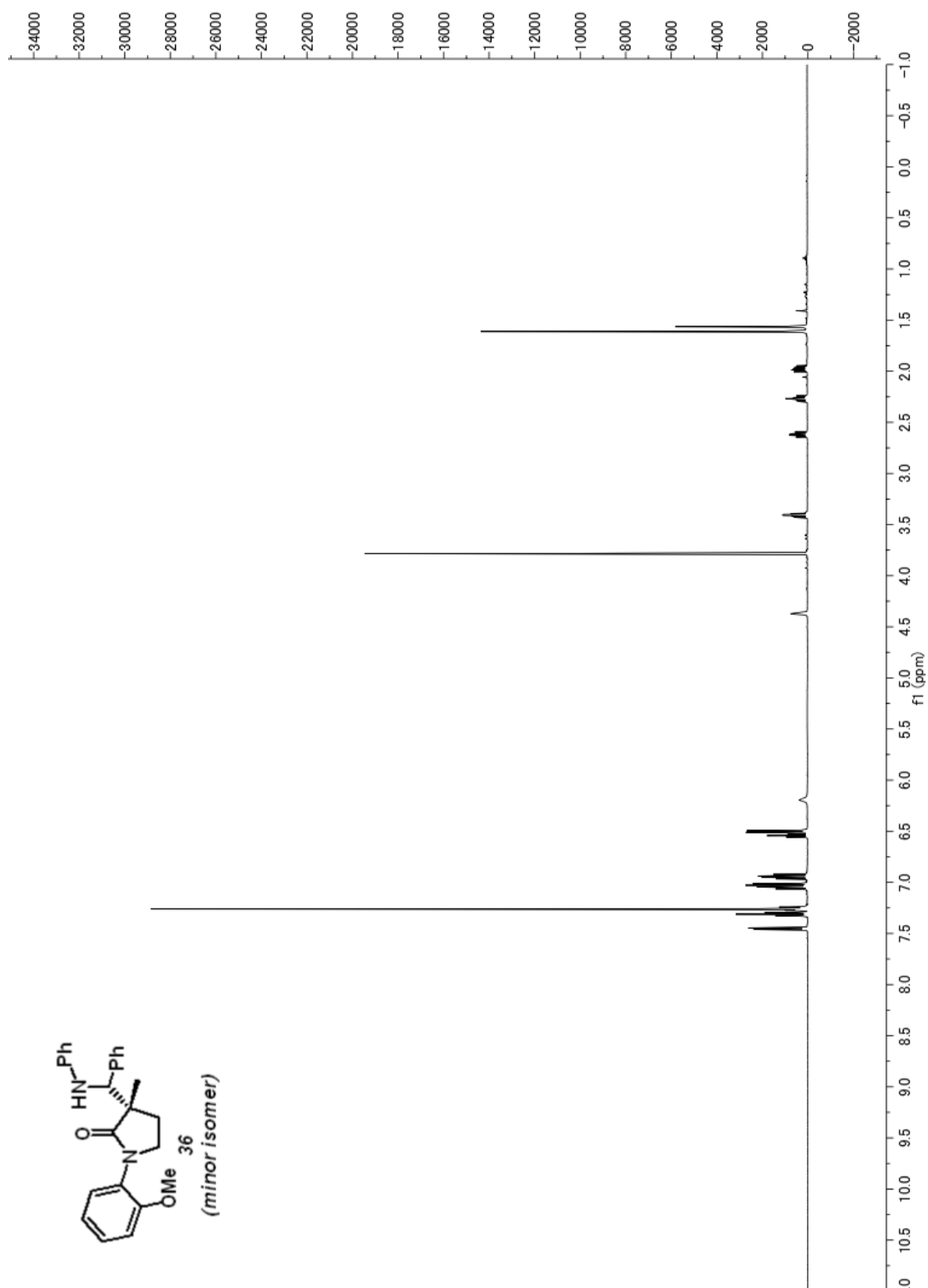
^1H NMR (500 MHz, CDCl_3) of compound **34**.

 ^{13}C NMR (126 MHz, CDCl_3) of compound **34**.

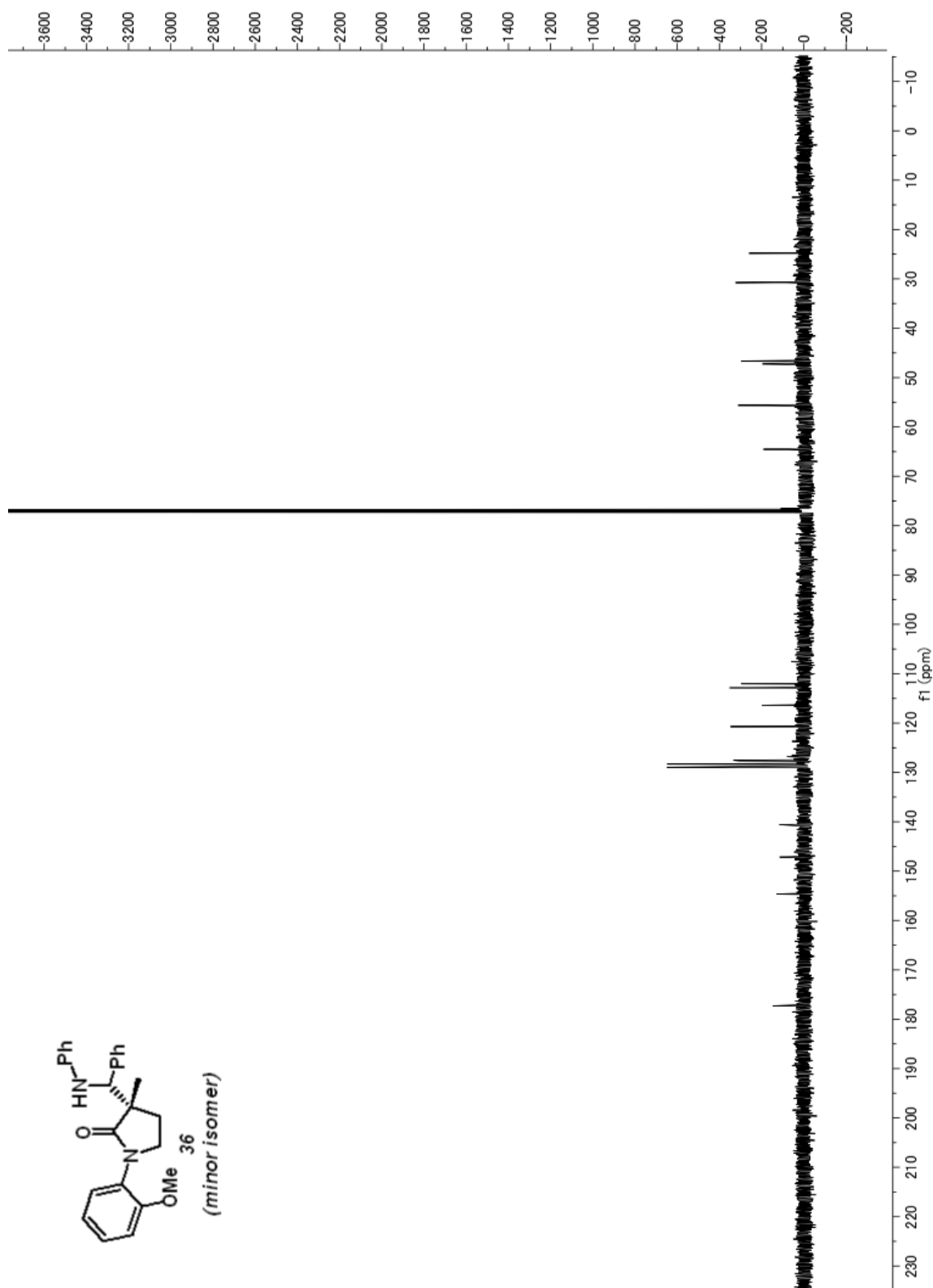


¹H NMR (500 MHz, CDCl₃) of compound **36** (major isomer).

 ^{13}C NMR (126 MHz, CDCl_3) of compound **36** (major isomer)



¹H NMR (500 MHz, CDCl₃) of compound **36** (minor isomer).



¹³C NMR (126 MHz, CDCl₃) of compound **36** (minor isomer).