

Supporting Information

Differentially Substituted Olefin Template Strategy for Synthesis of Tetrasubstituted Alkenes from (*E*)-1-bromo-2-iodoalkenes.

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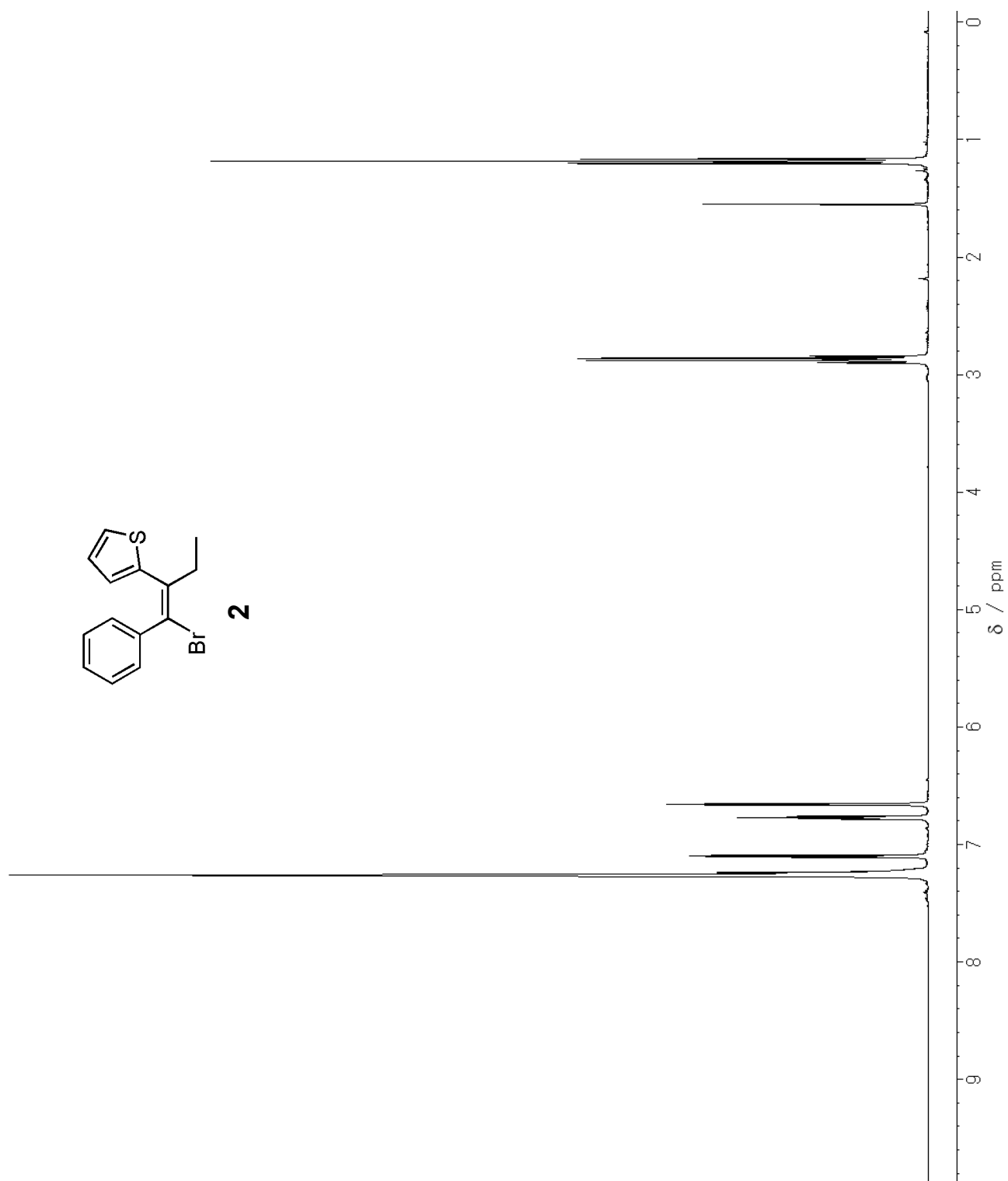
Contents

1. ¹H NMR and ¹³C NMR spectra for all new compounds of **2**, **7a**, **7b**, **7c**, **7d**, **7e**, **7f**, **4**, **9**, **10**, **11**, **12**, **14**.

^1H NMR and ^{13}C NMR spectra for compounds 2 – 14

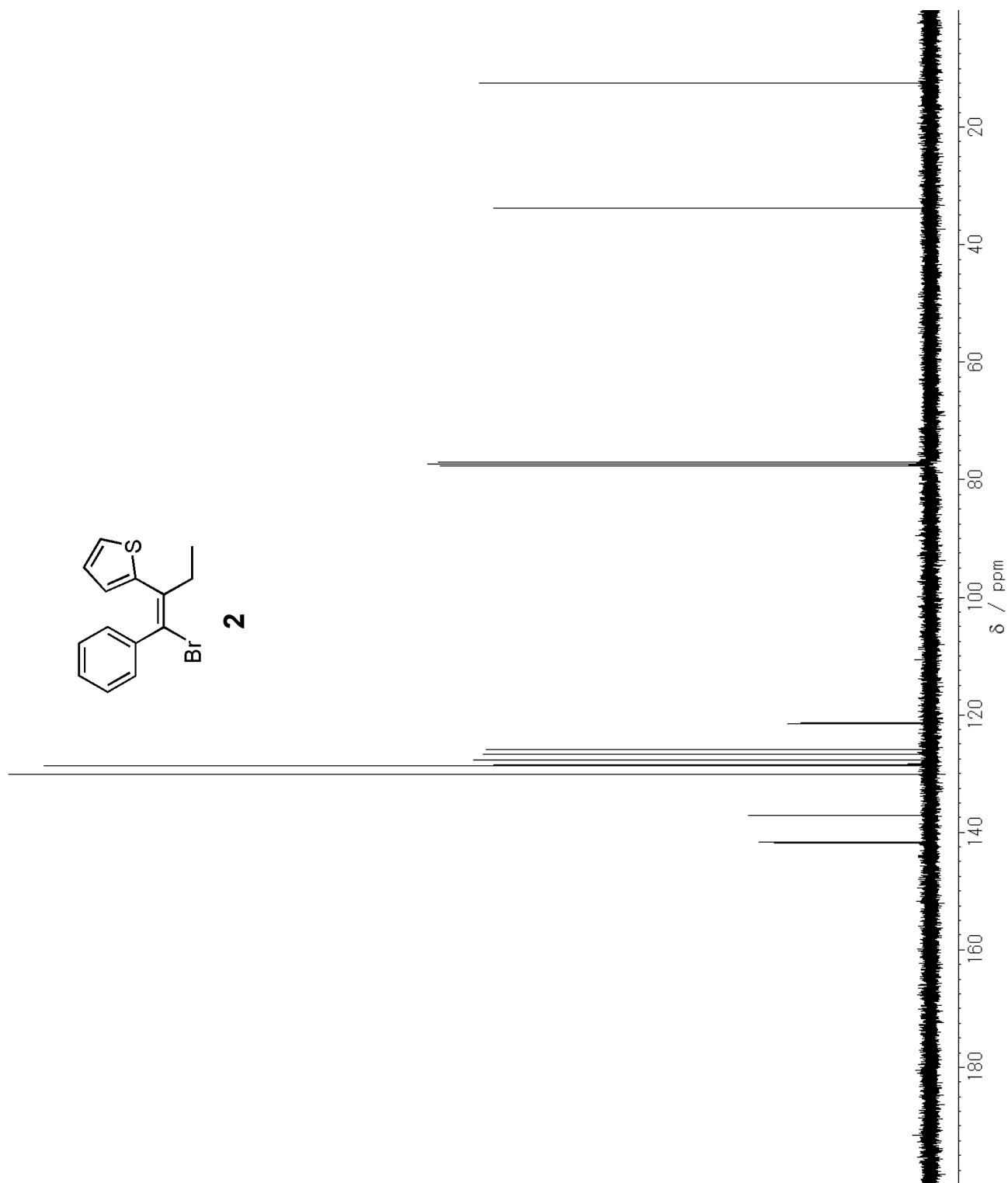
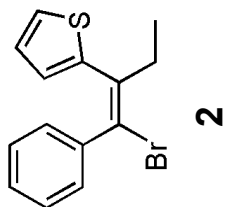
Compound 2

^1H NMR spectrum in CDCl_3



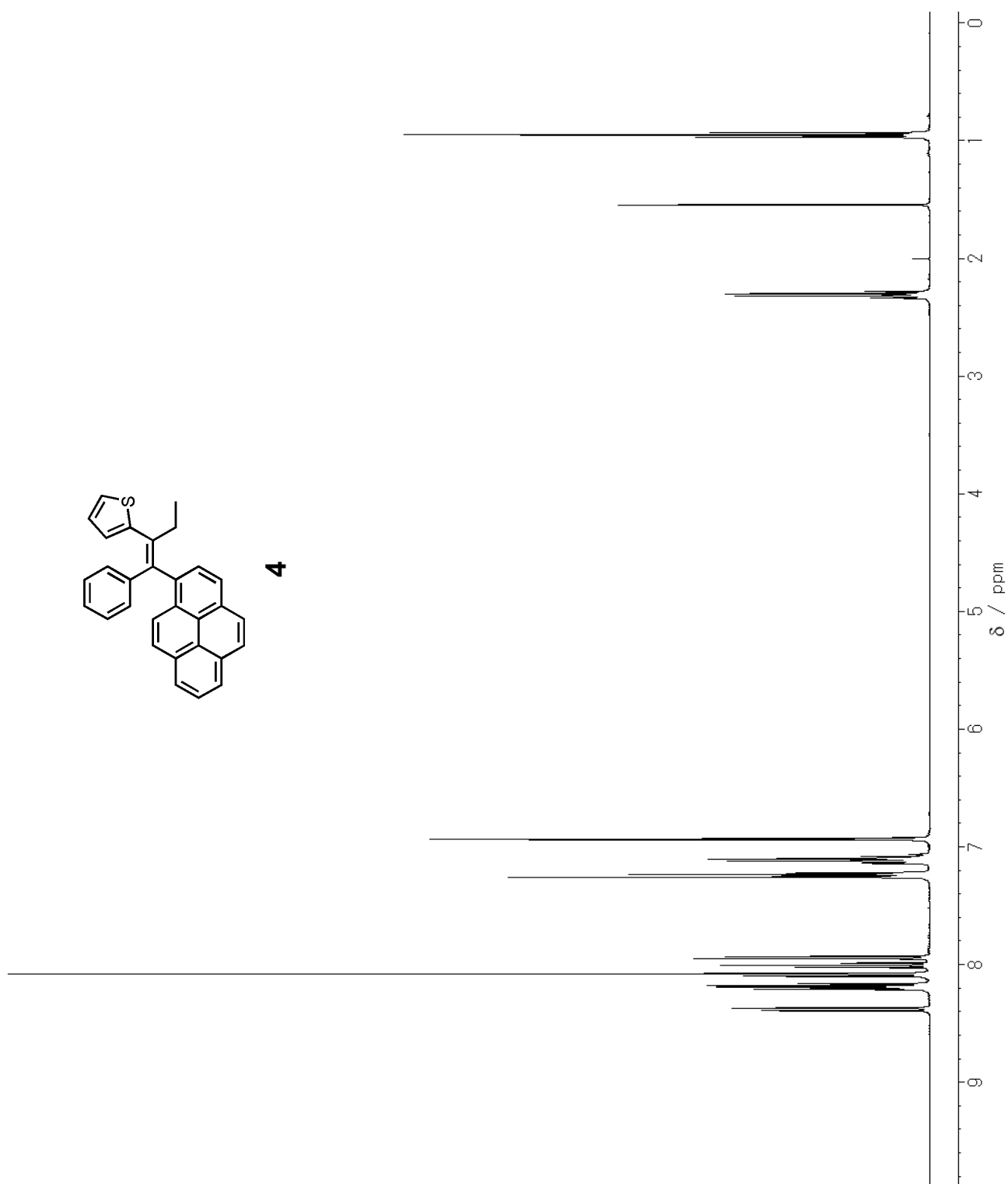
Compound 2

^{13}C NMR spectrum in CDCl_3



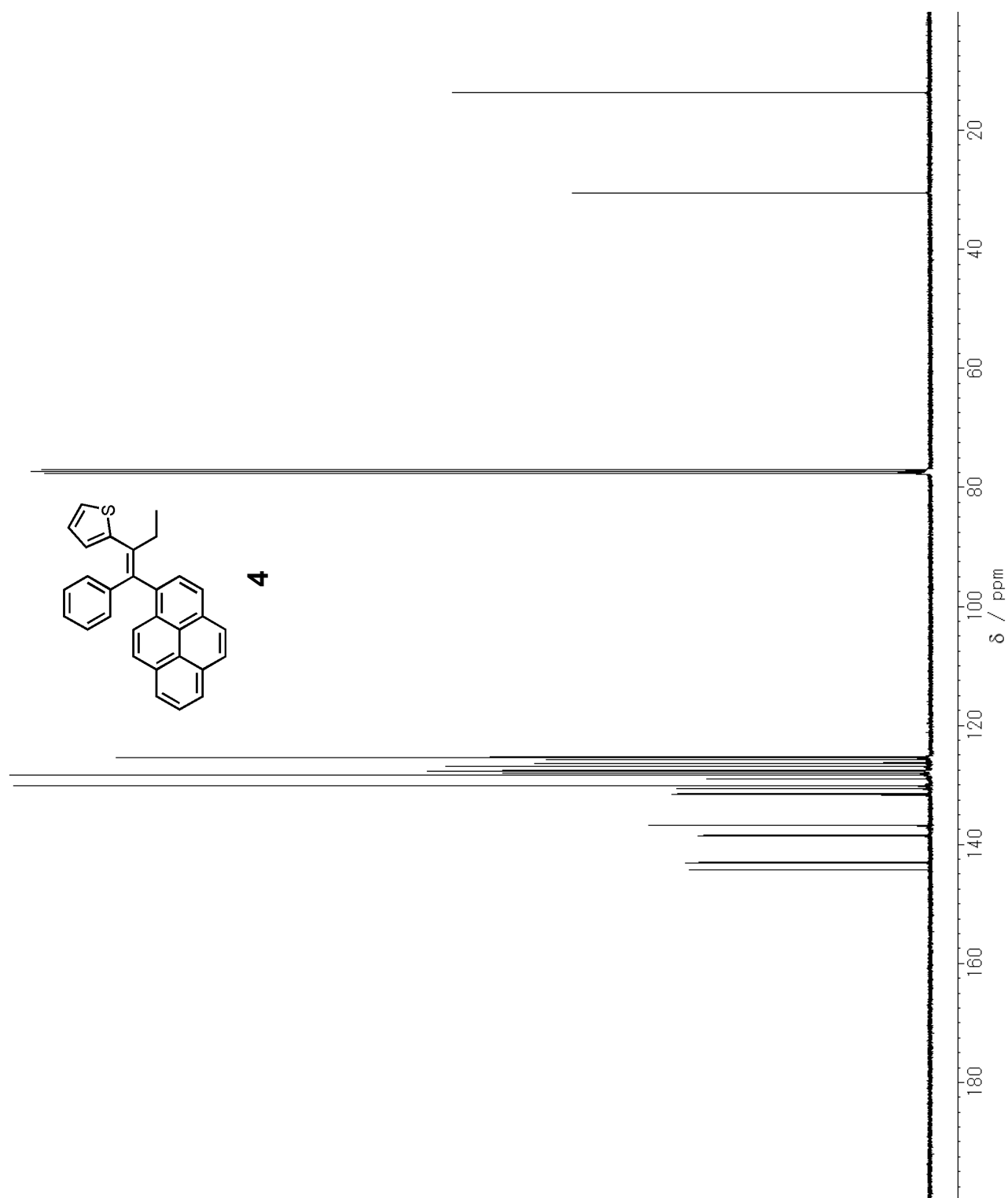
Compound 4

^1H NMR spectrum in CDCl_3



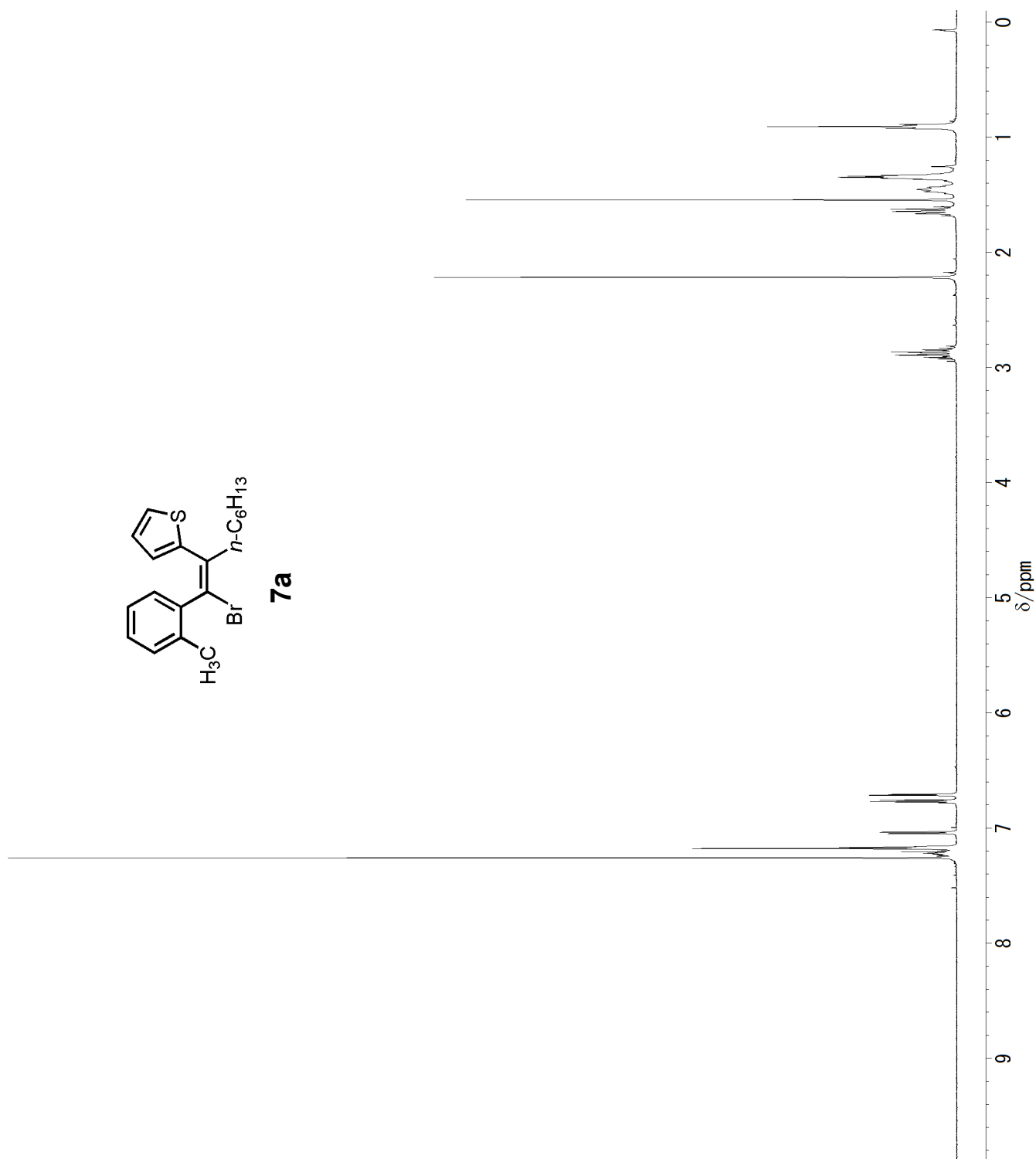
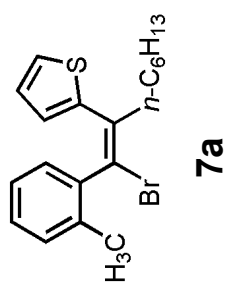
Compound 4

^{13}C NMR spectrum in CDCl_3



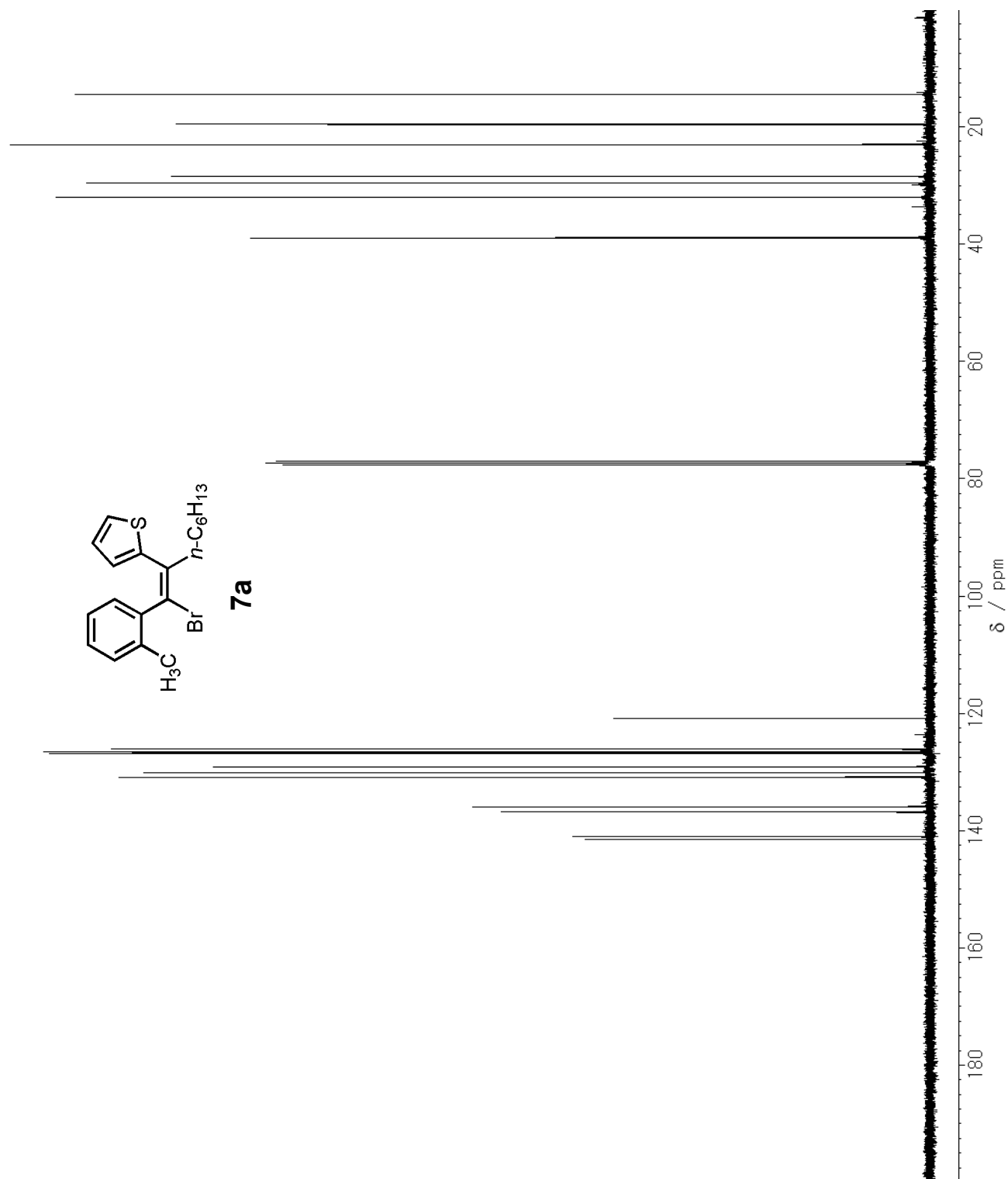
Compound 7a

^1H NMR spectrum in CDCl_3



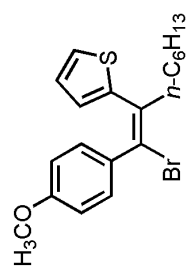
Compound 7a

^{13}C NMR spectrum in CDCl_3

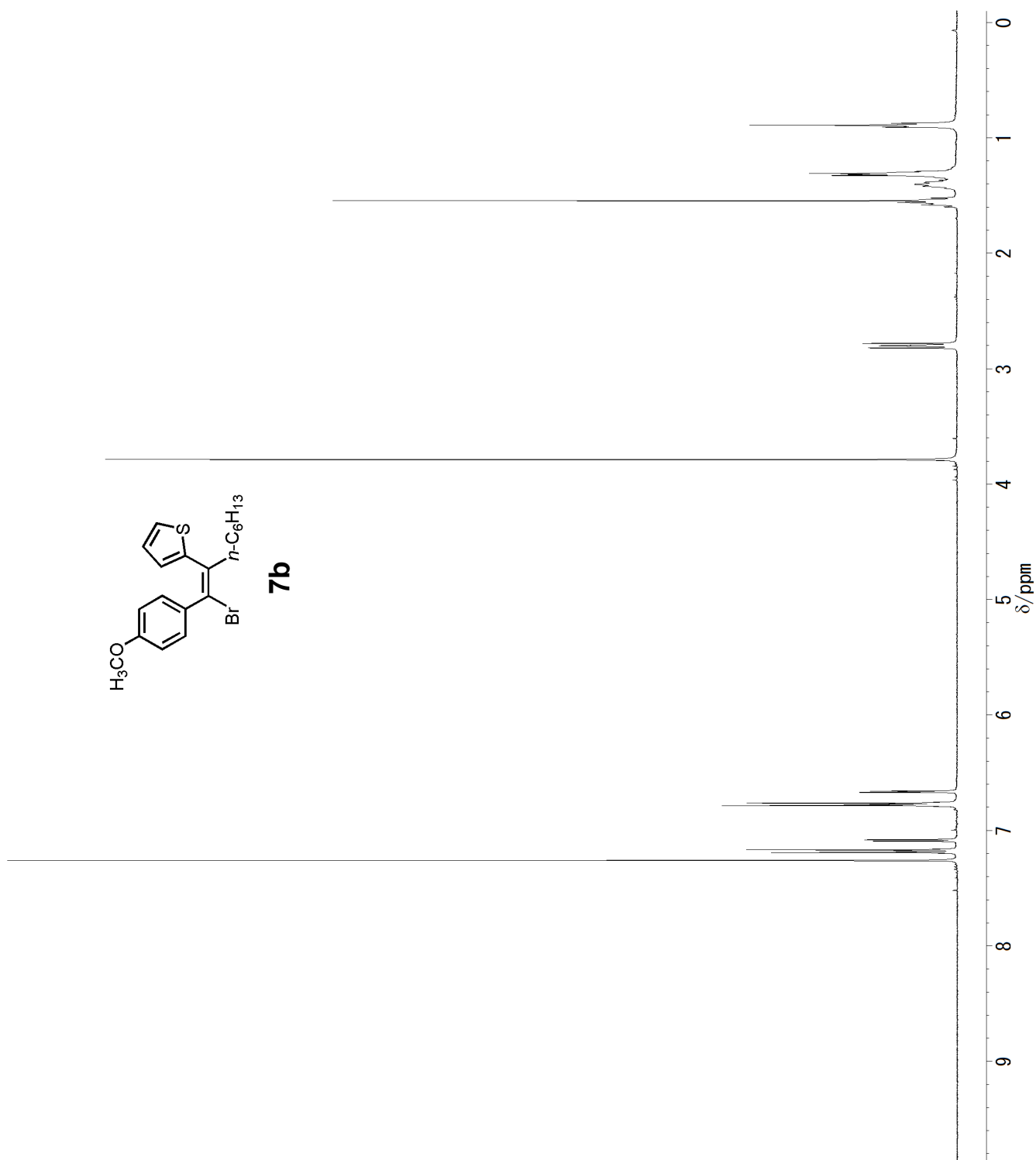


Compound 7b

^1H NMR spectrum in CDCl_3

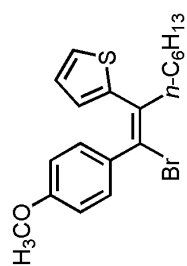


7b

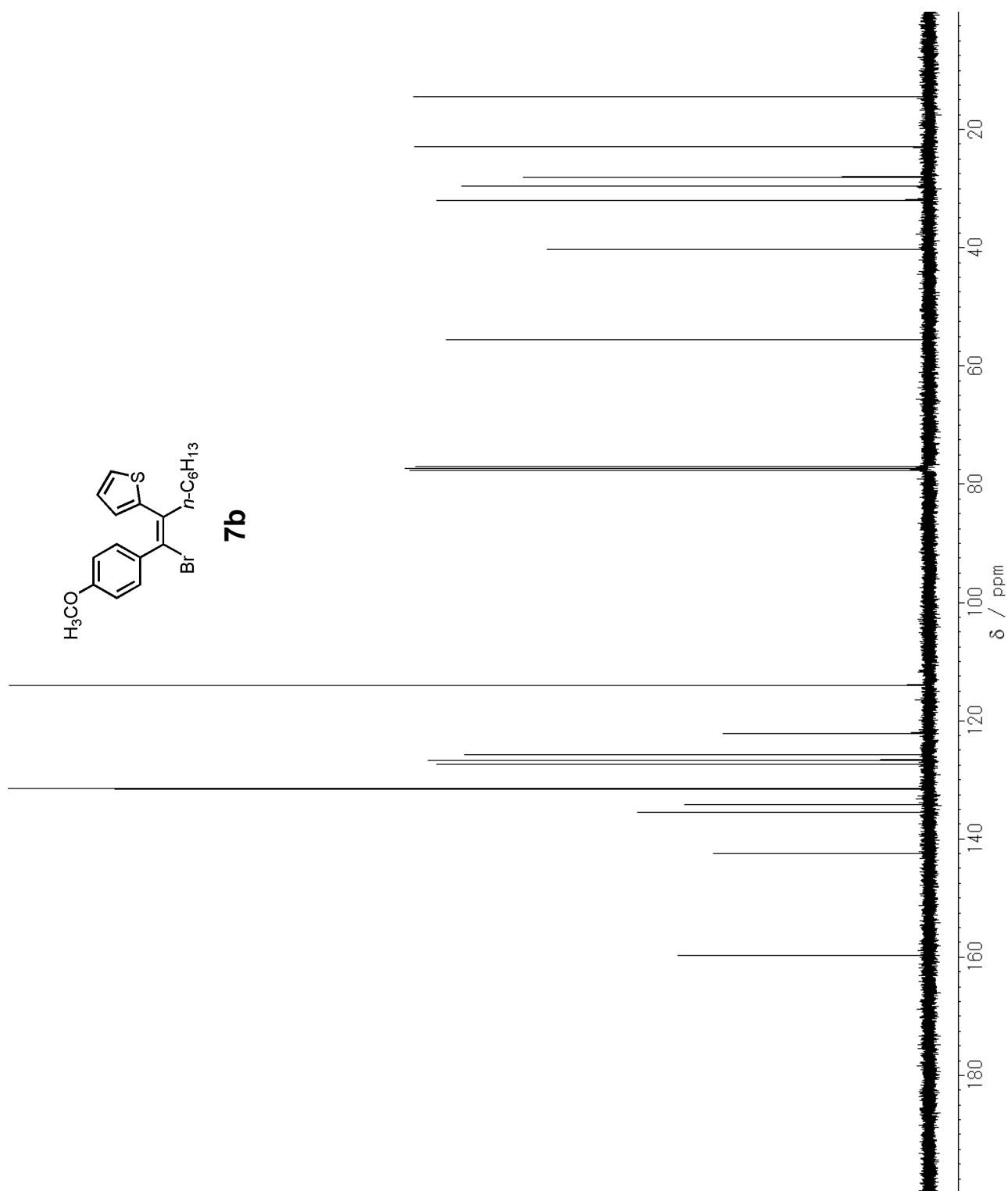


Compound 7b

^{13}C NMR spectrum in CDCl_3

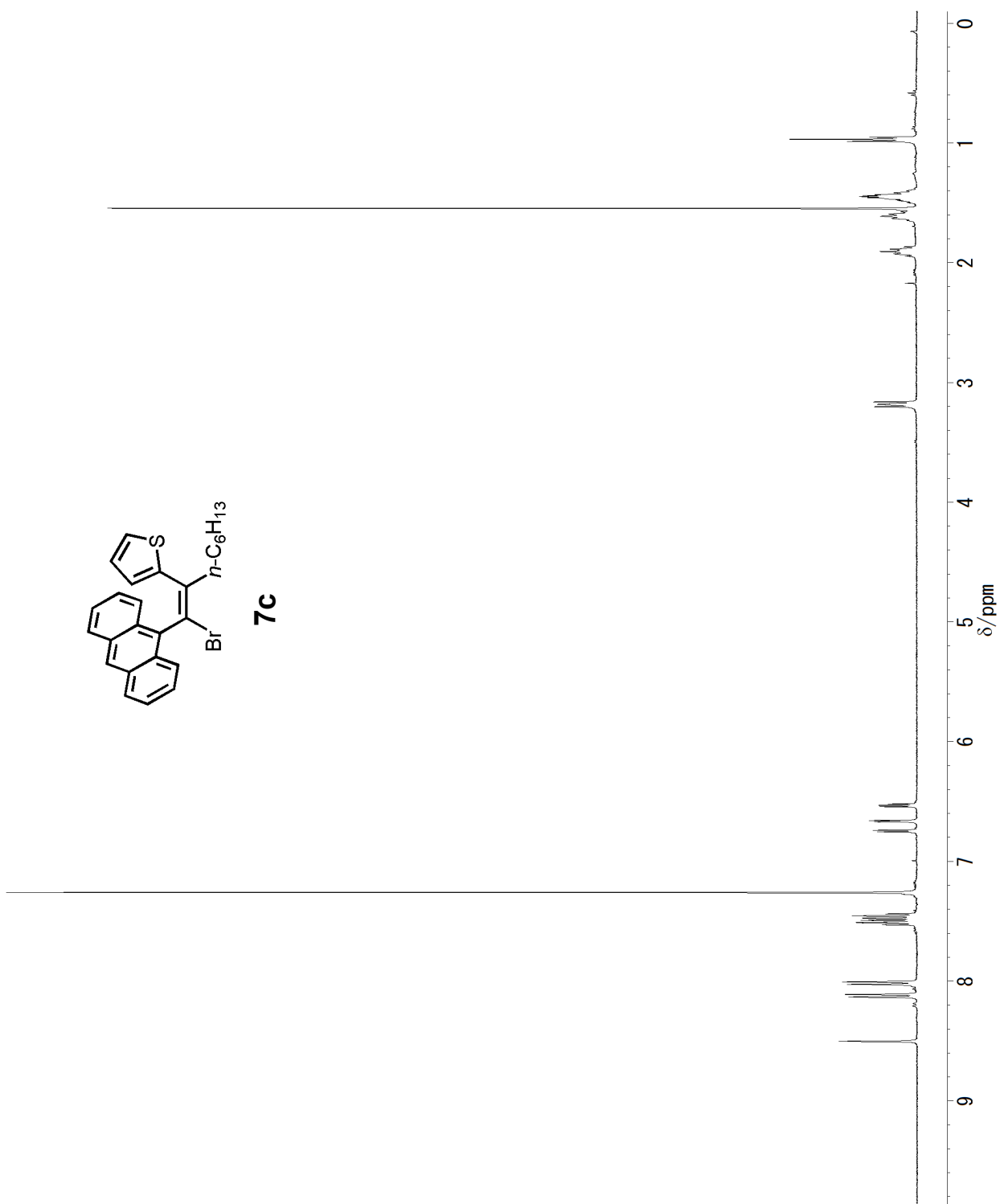


7b



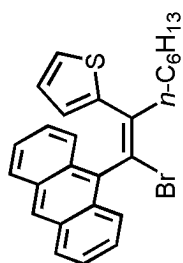
Compound 7c

^1H NMR spectrum in CDCl_3

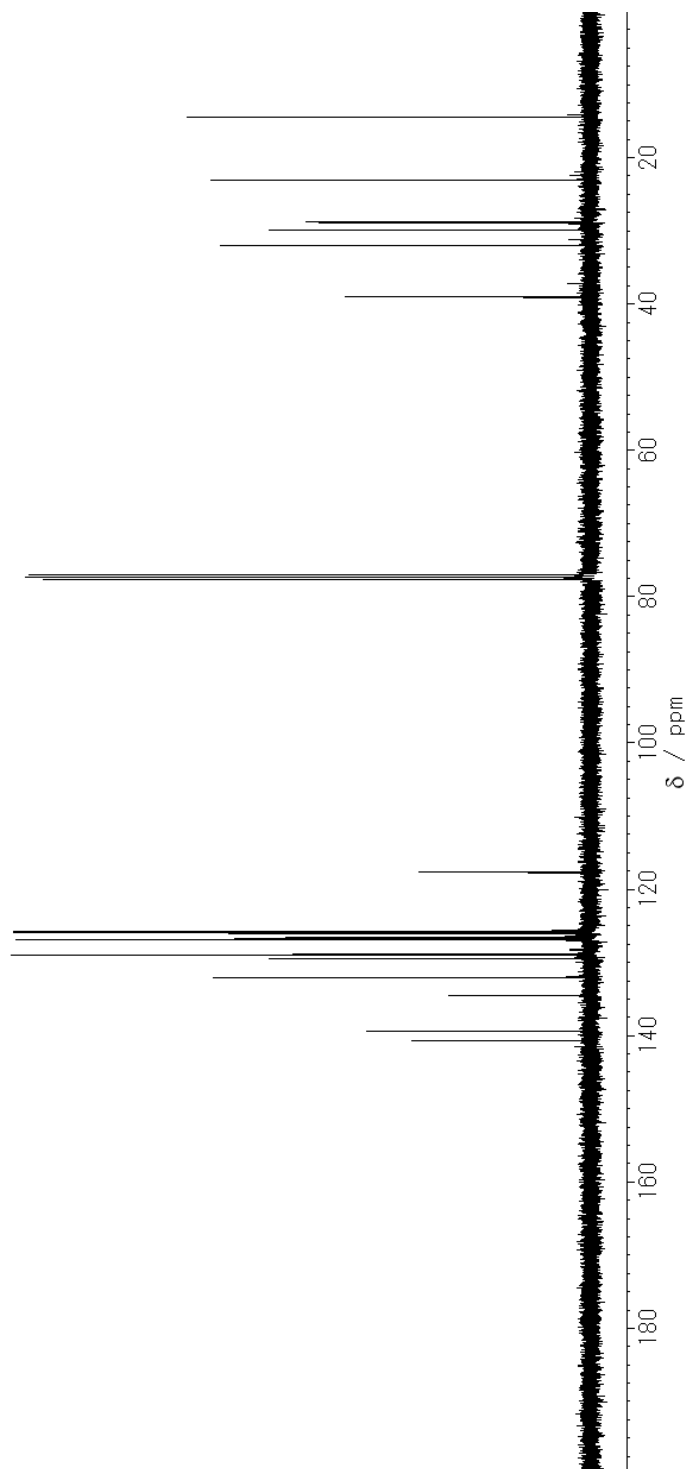


Compound 7c

^{13}C NMR spectrum in CDCl_3

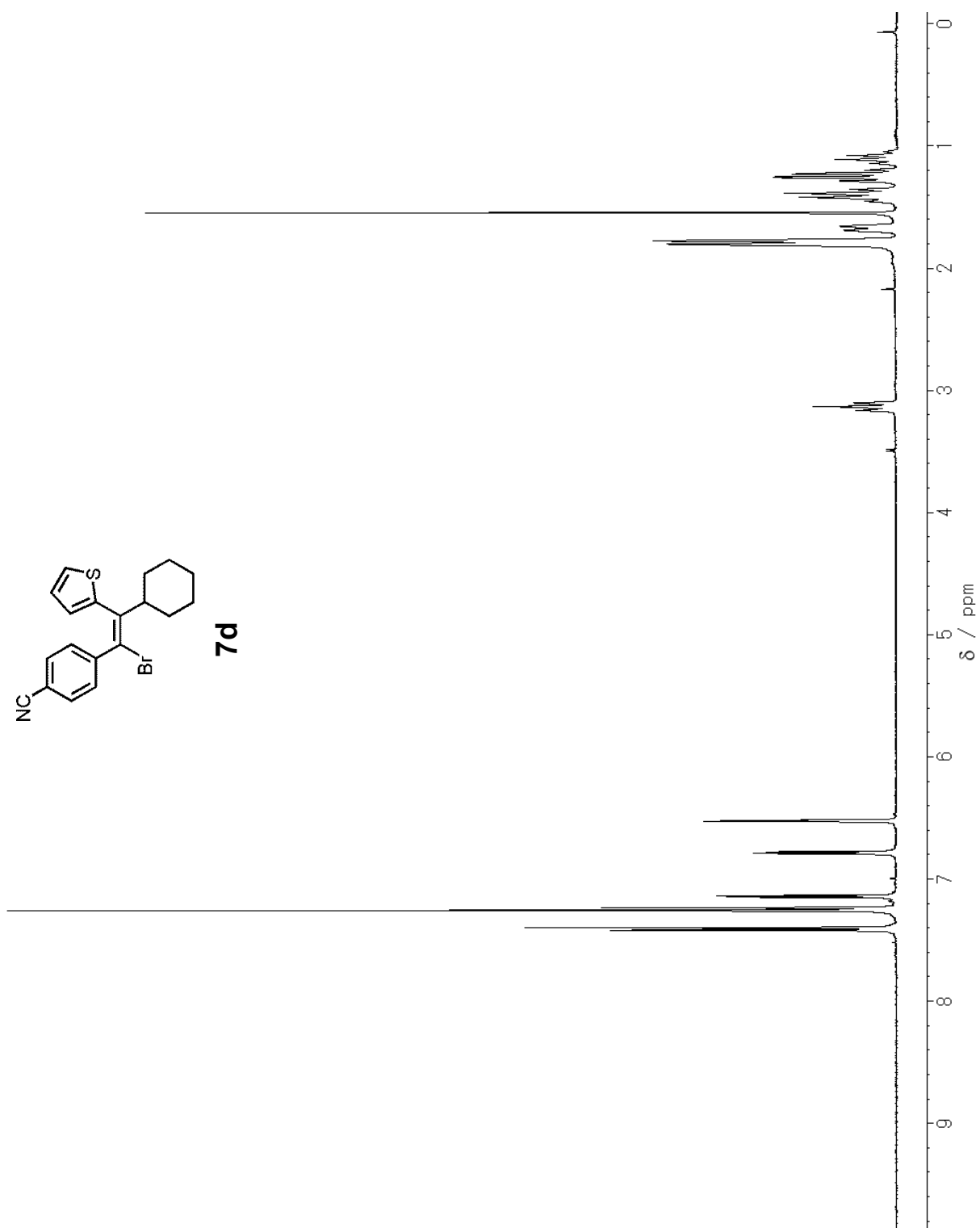


7c



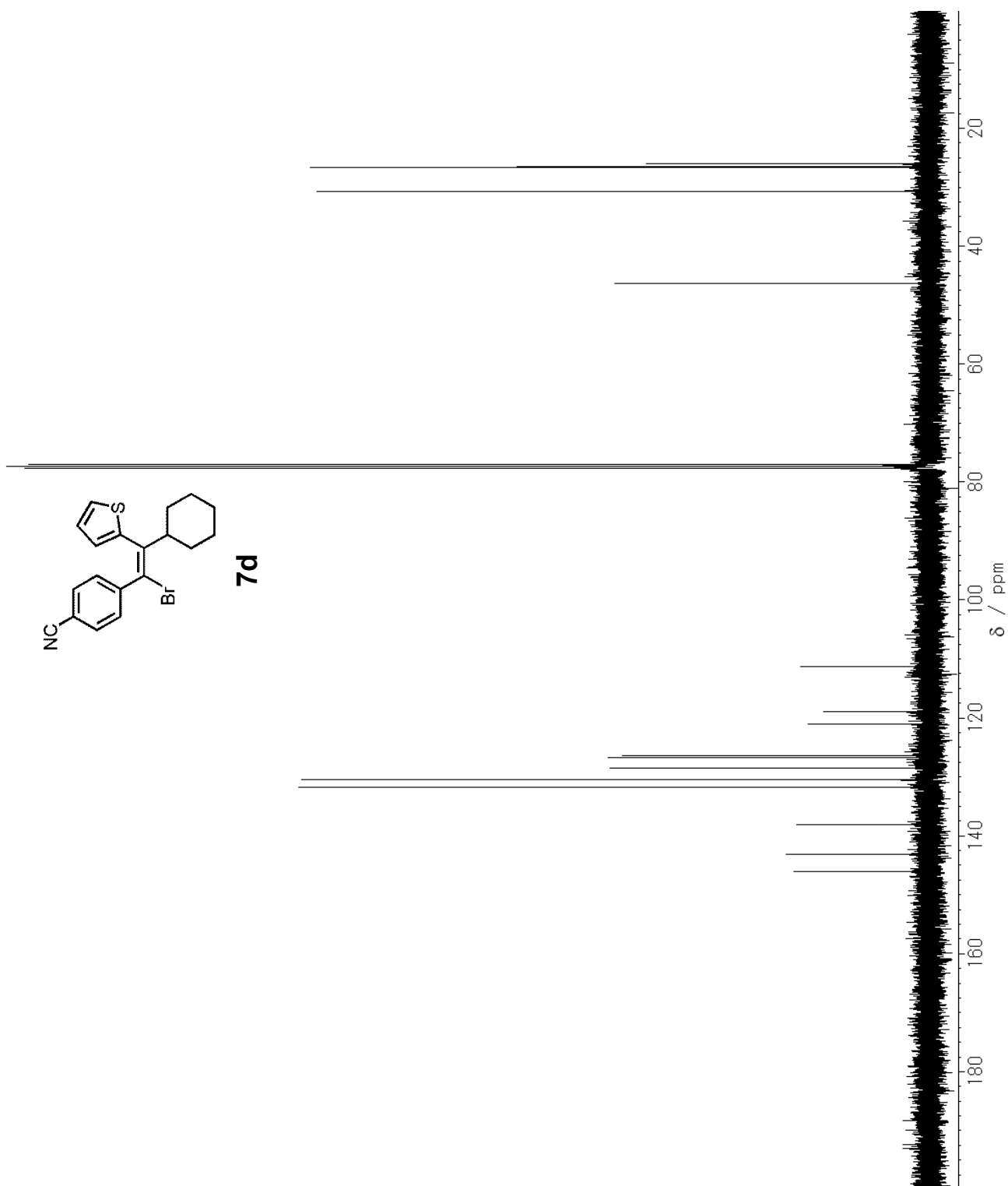
Compound 7d

^1H NMR spectrum in CDCl_3

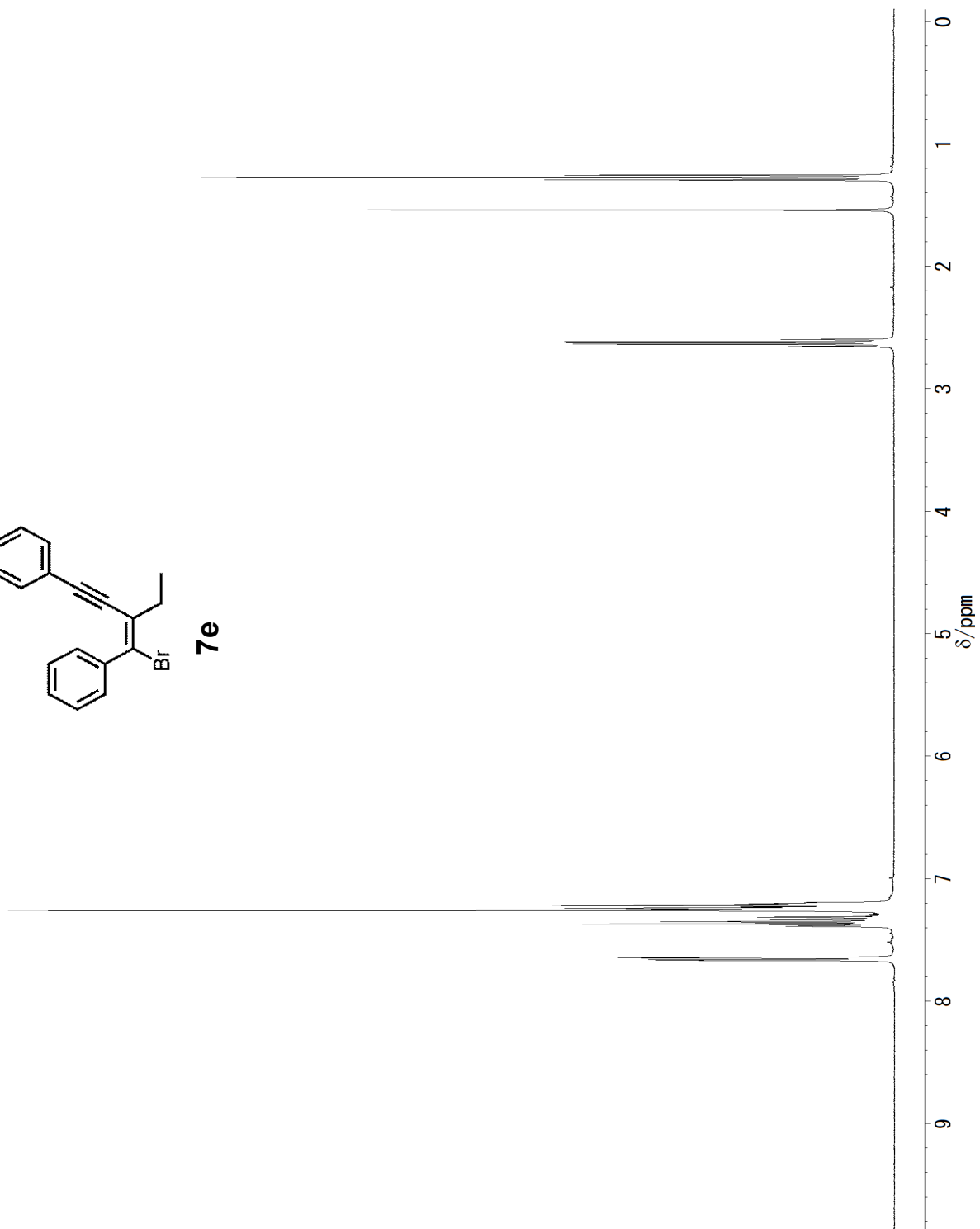
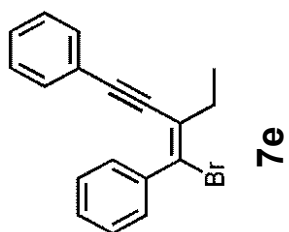


Compound 7d

^{13}C NMR spectrum in CDCl_3

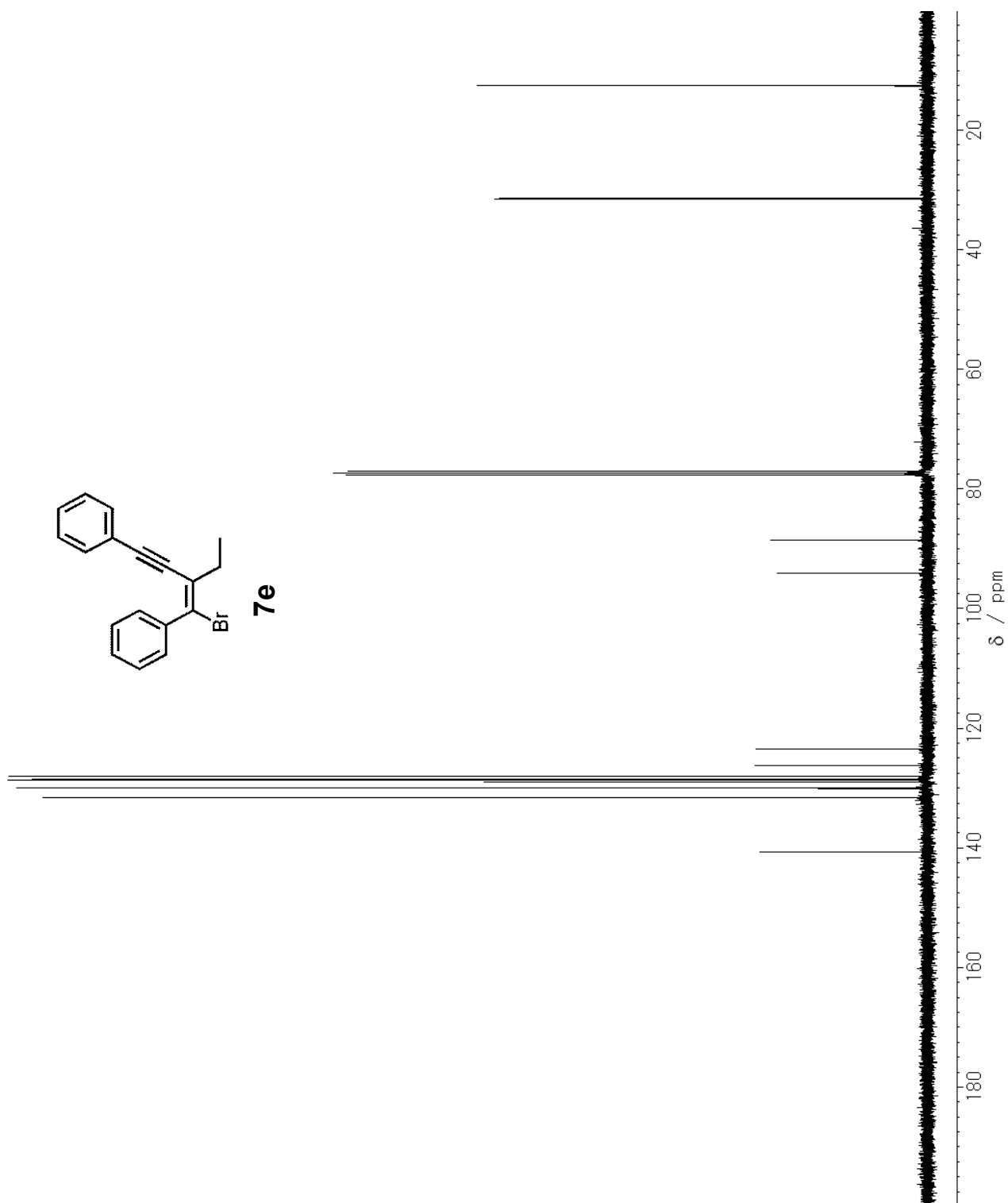


Compound 7e

¹H NMR spectrum in CDCl₃

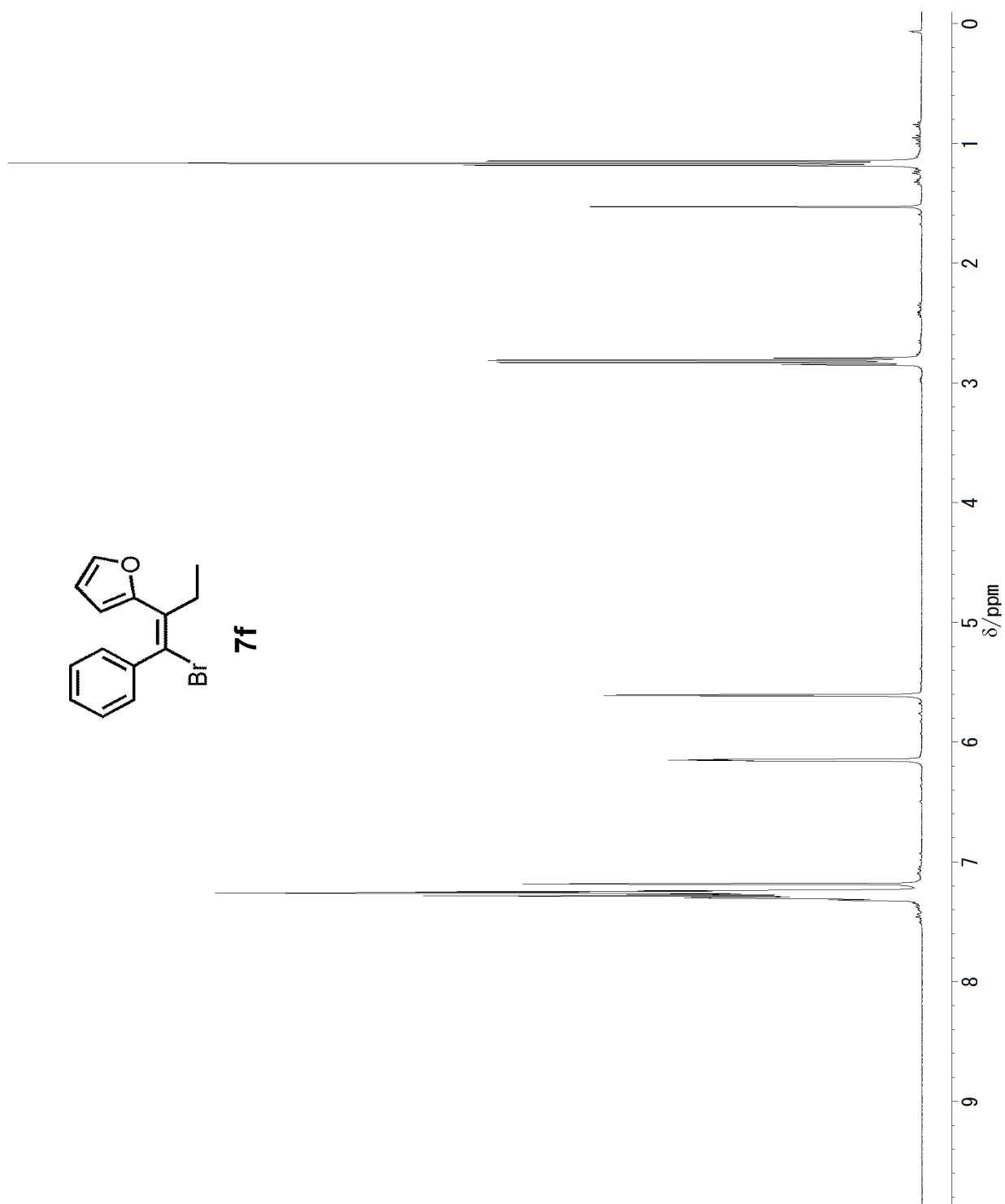
Compound 7e

^{13}C NMR spectrum in CDCl_3

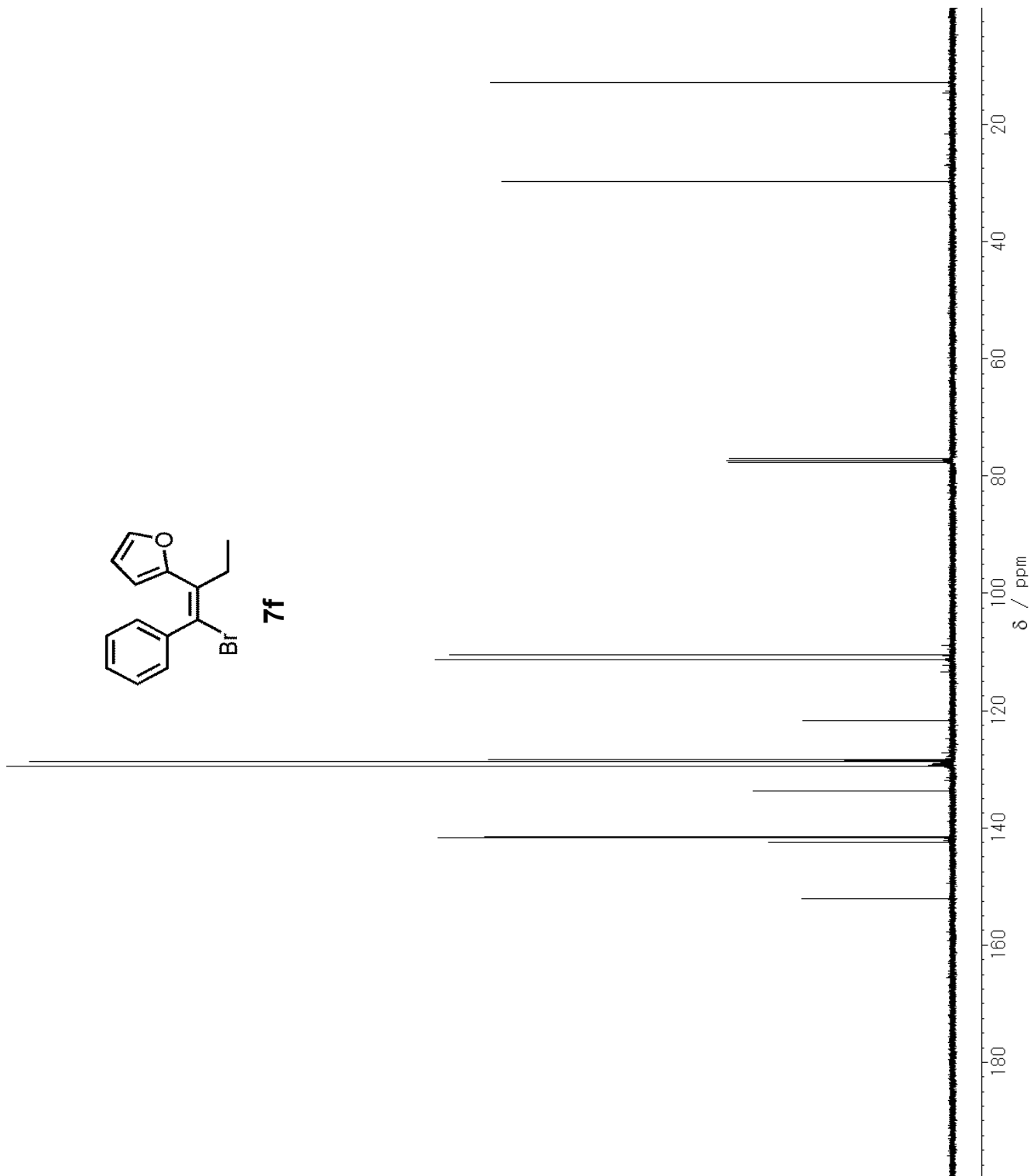
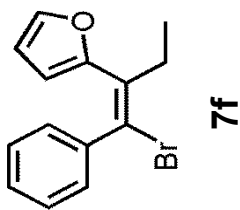


Compound 7f

^1H NMR spectrum in CDCl_3

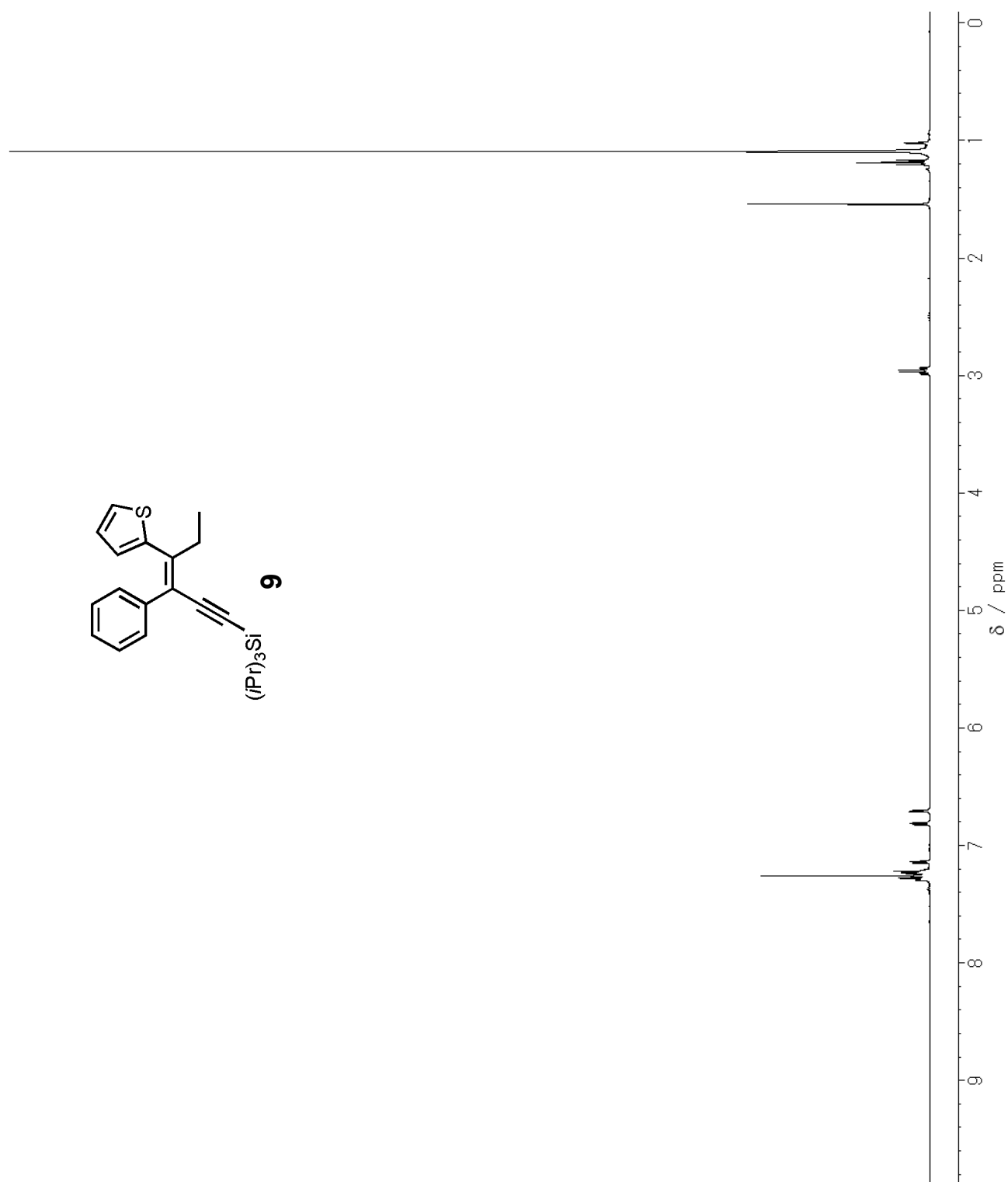


Compound 7f

 ^{13}C NMR spectrum in CDCl_3 

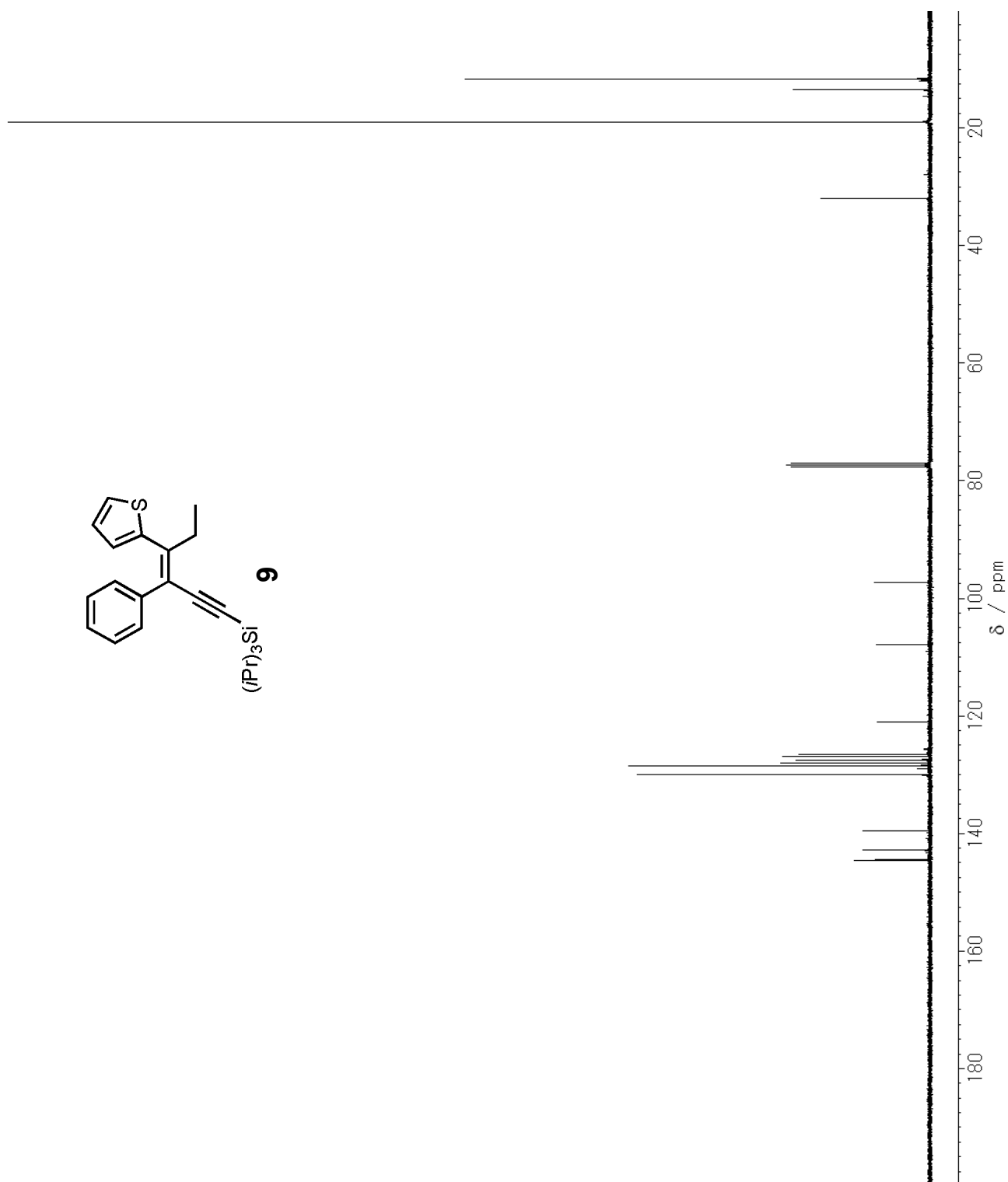
Compound 9

^1H NMR spectrum in CDCl_3



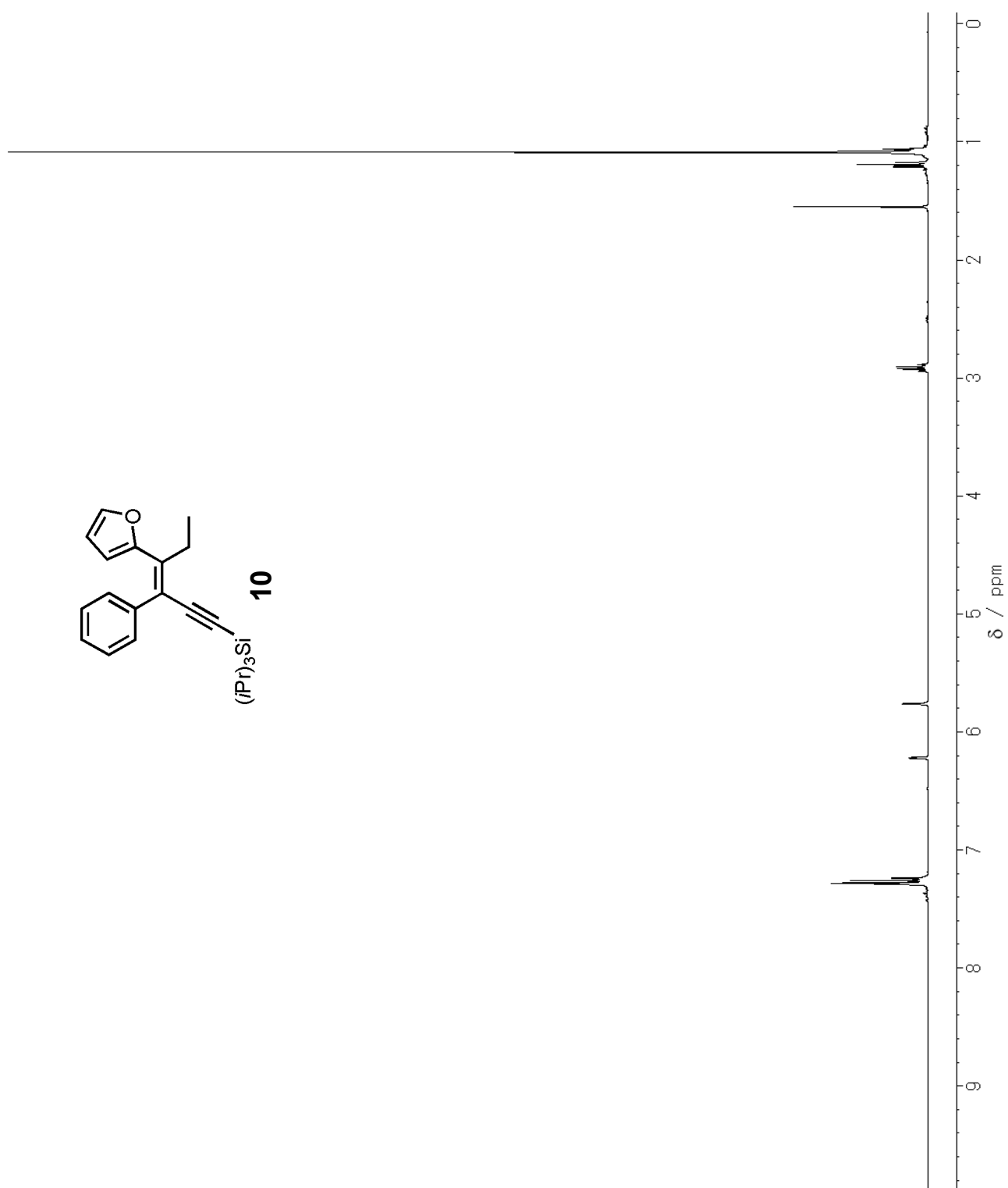
Compound 9

^{13}C NMR spectrum in CDCl_3



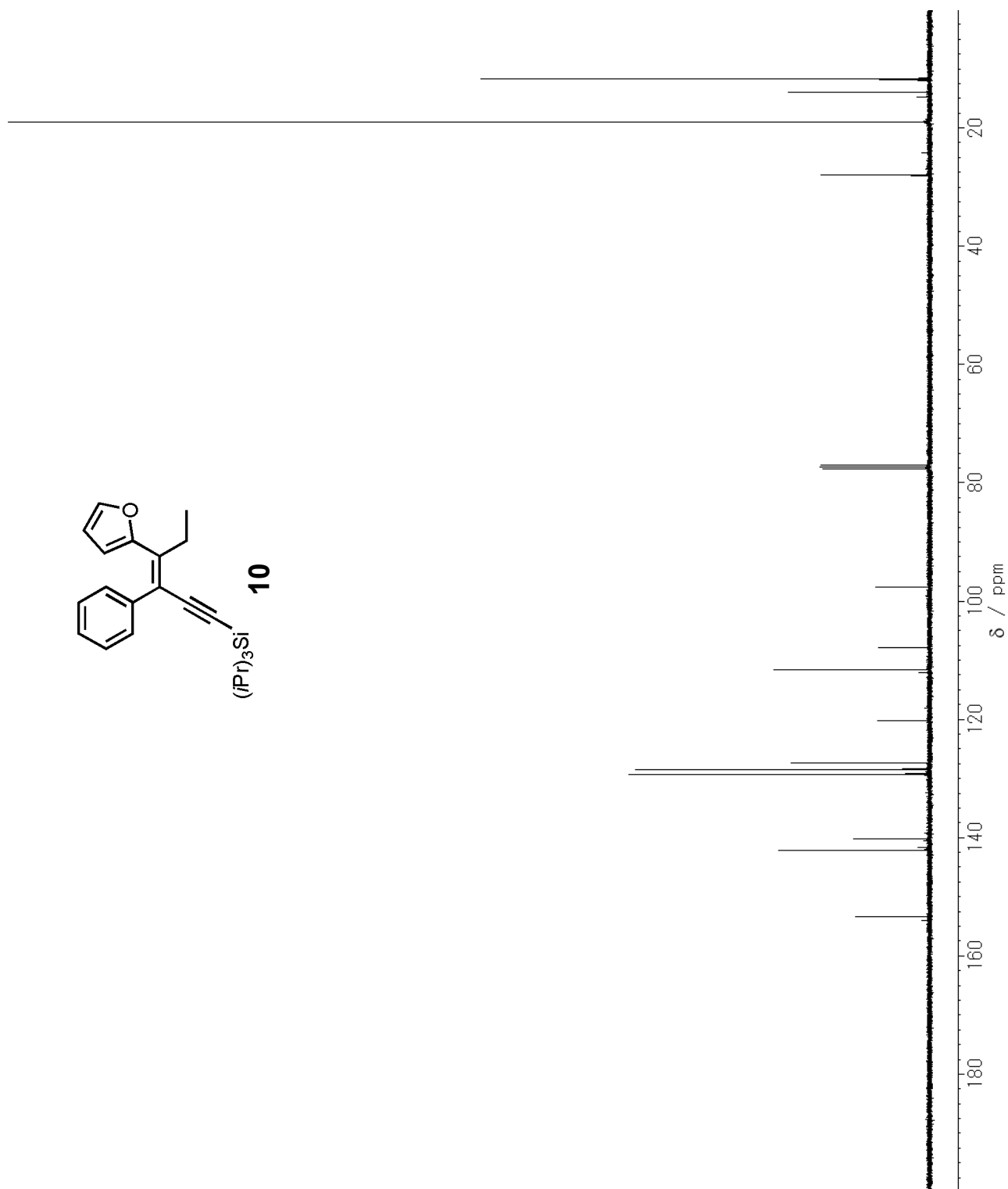
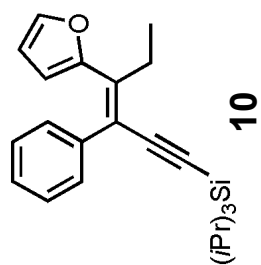
Compound 10

^1H NMR spectrum in CDCl_3



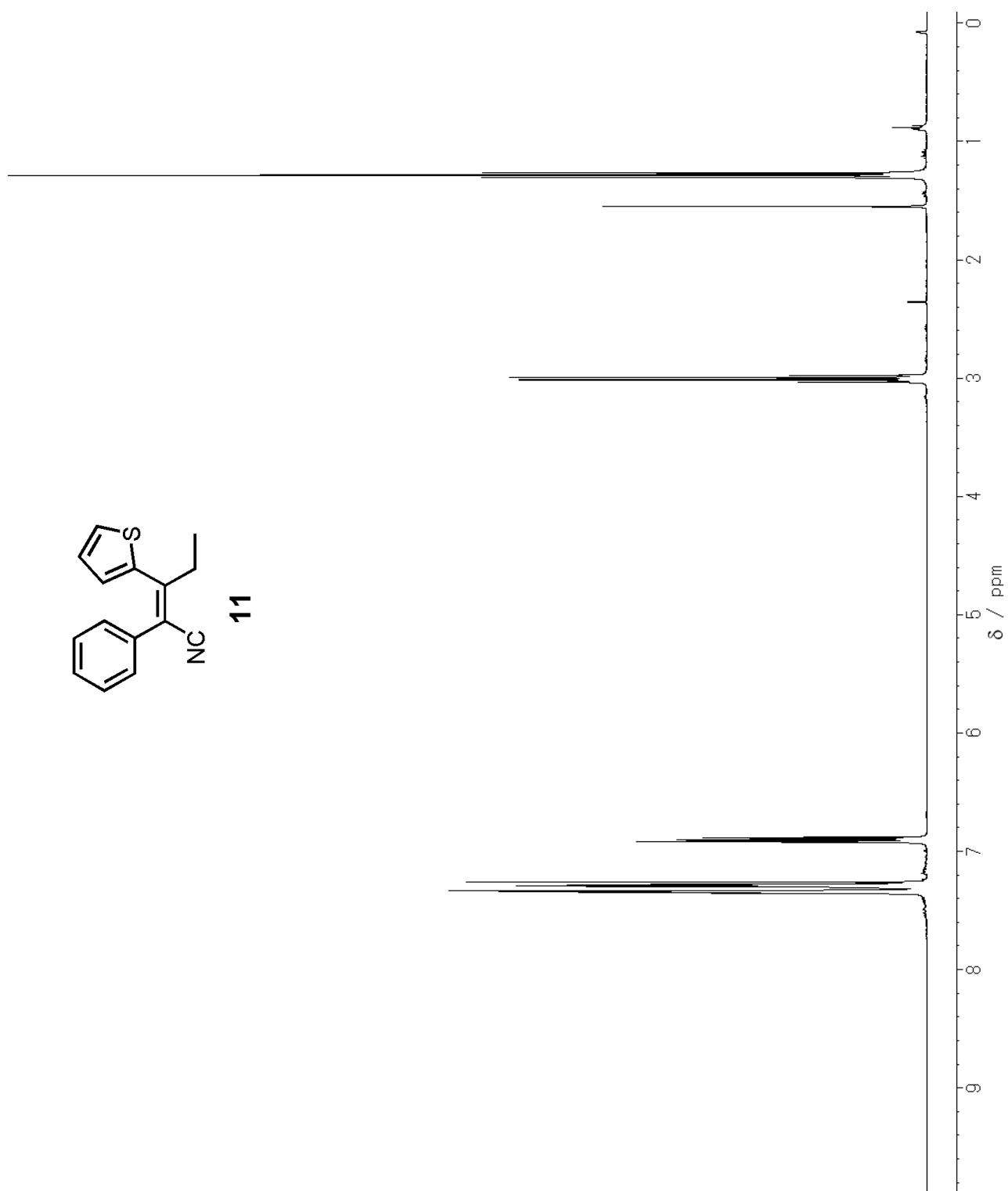
Compound 10

^{13}C NMR spectrum in CDCl_3



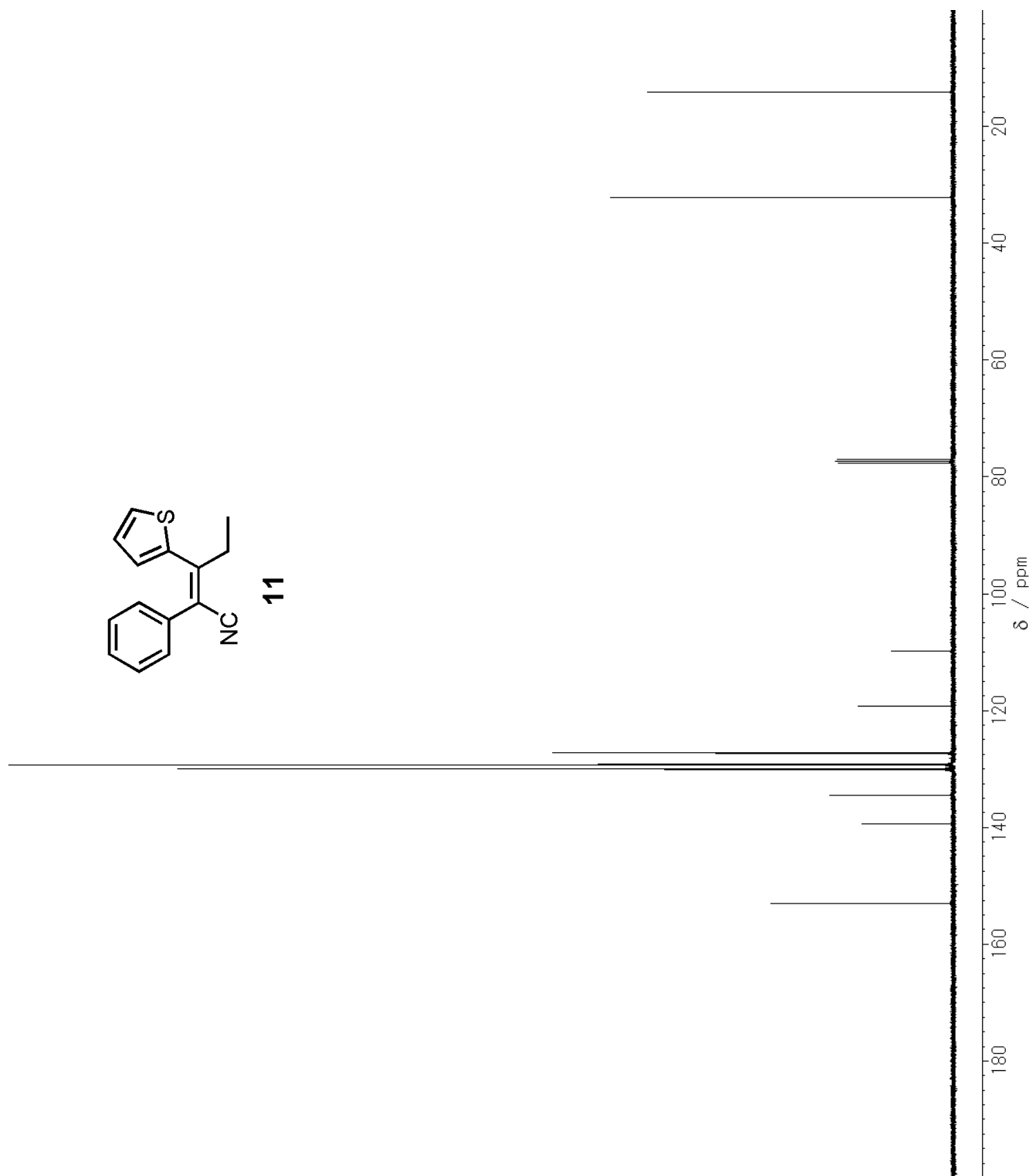
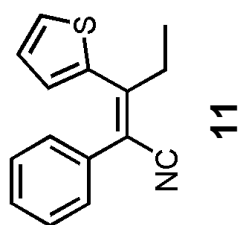
Compound 11

^1H NMR spectrum in CDCl_3



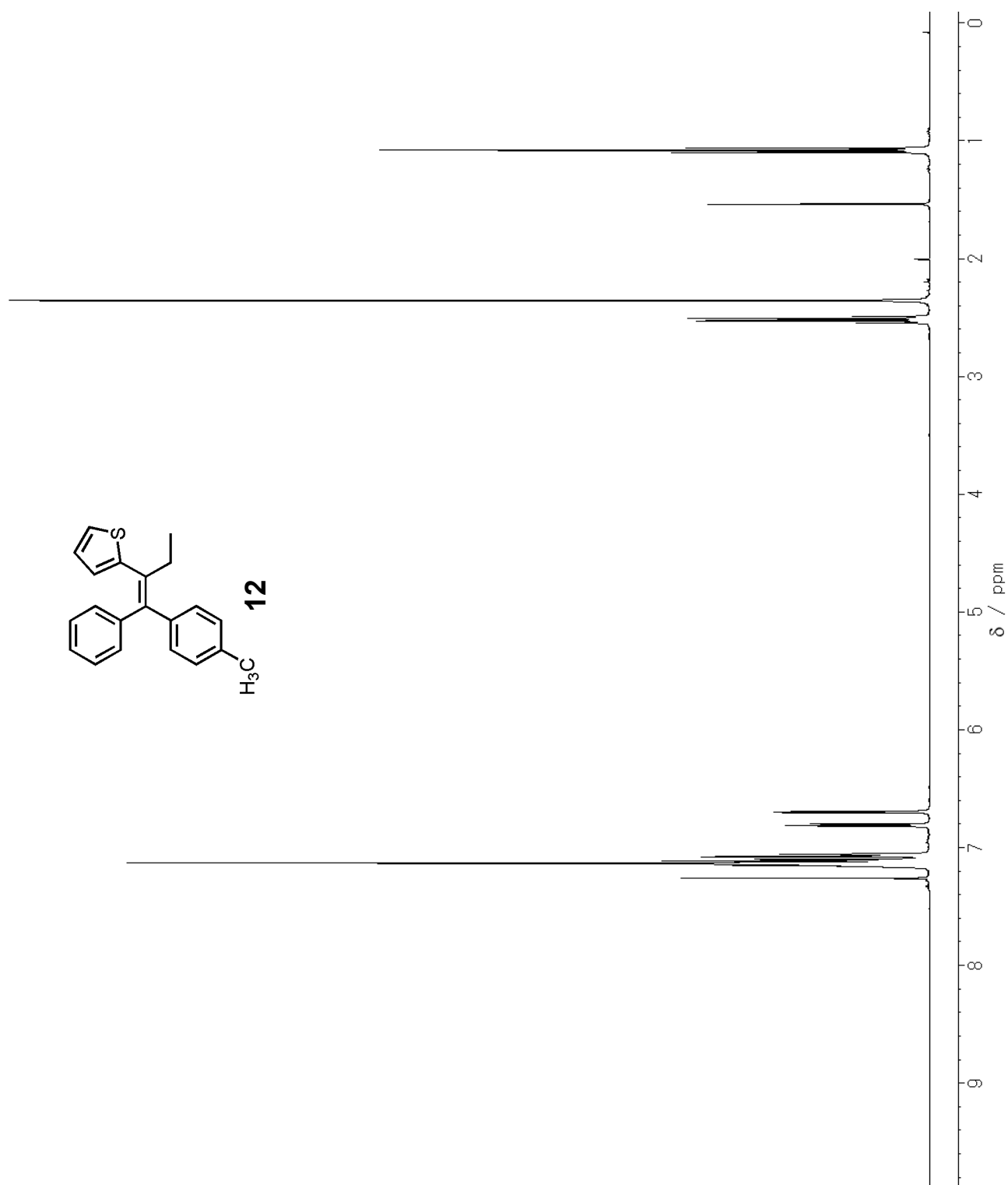
Compound 11

^{13}C NMR spectrum in CDCl_3



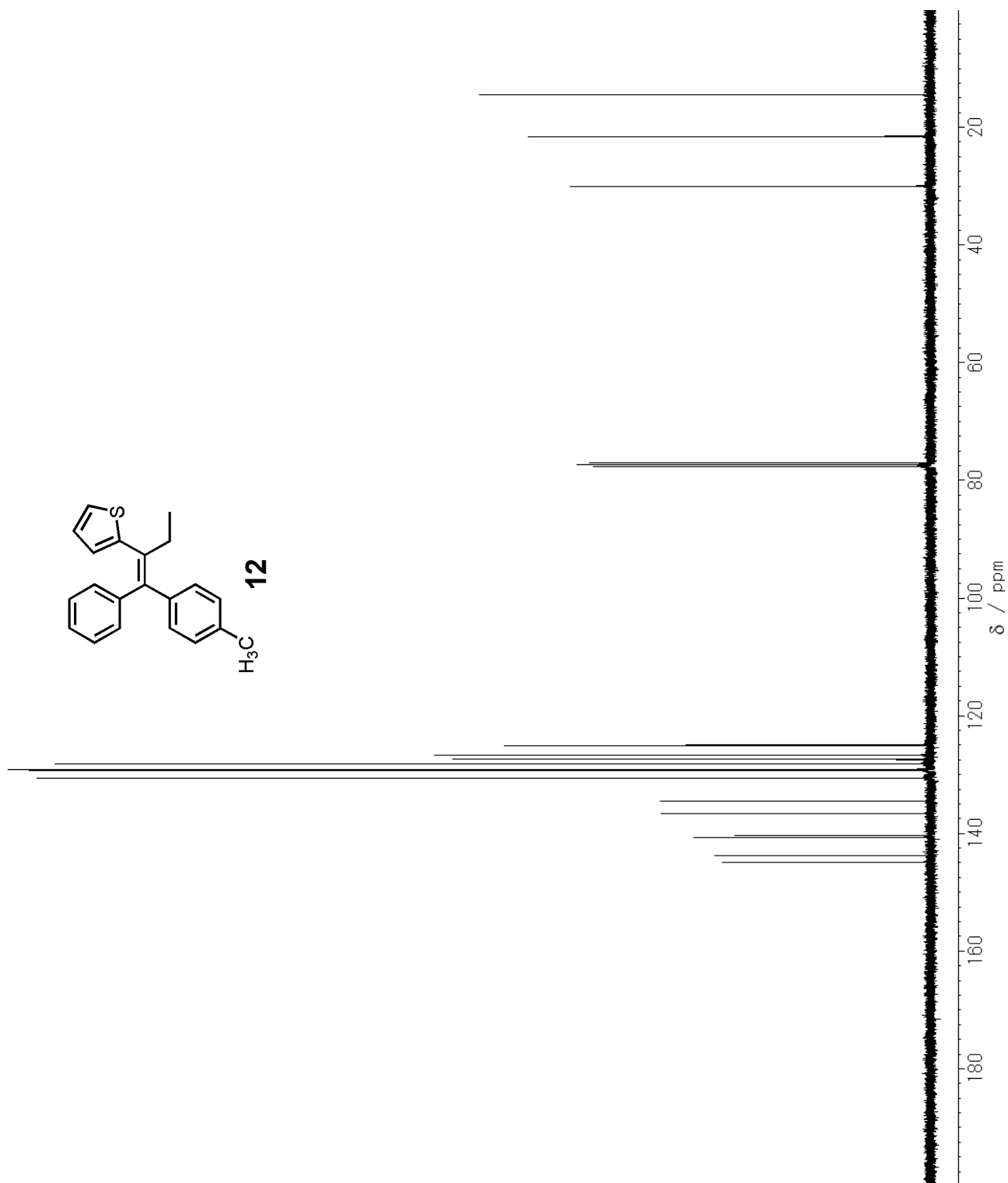
Compound 12

^1H NMR spectrum in CDCl_3



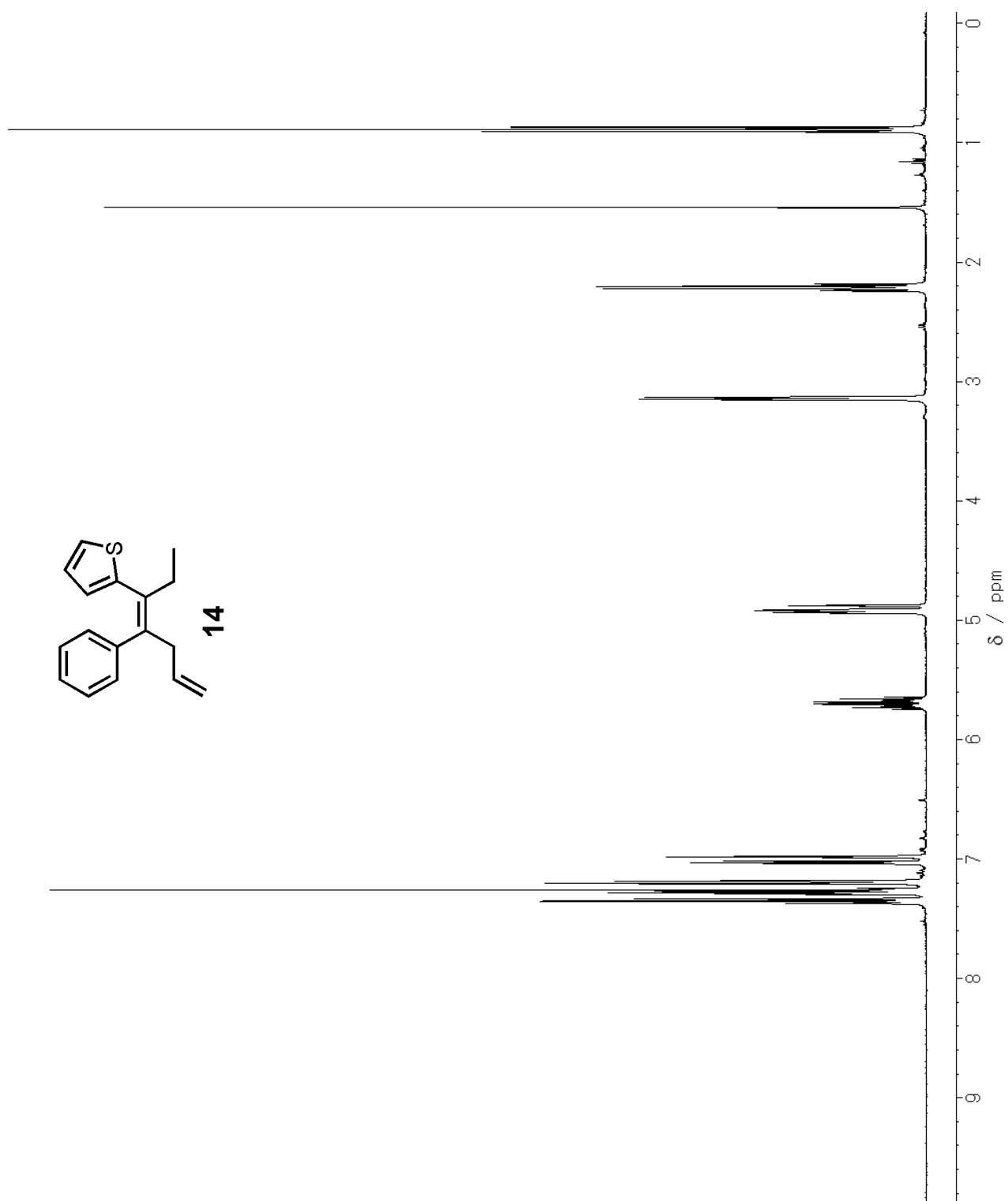
Compound 12

^{13}C NMR spectrum in CDCl_3



Compound 14

^1H NMR spectrum in CDCl_3



Compound 14

^{13}C NMR spectrum in CDCl_3

