

Supplementary Material

Cu(OTf)₂-triggered benzotriazole ring cleavage (BtRC) approach for the synthesis of 2-aryl/alkyl benzoxazoles from *N*-acylbenzotriazoles

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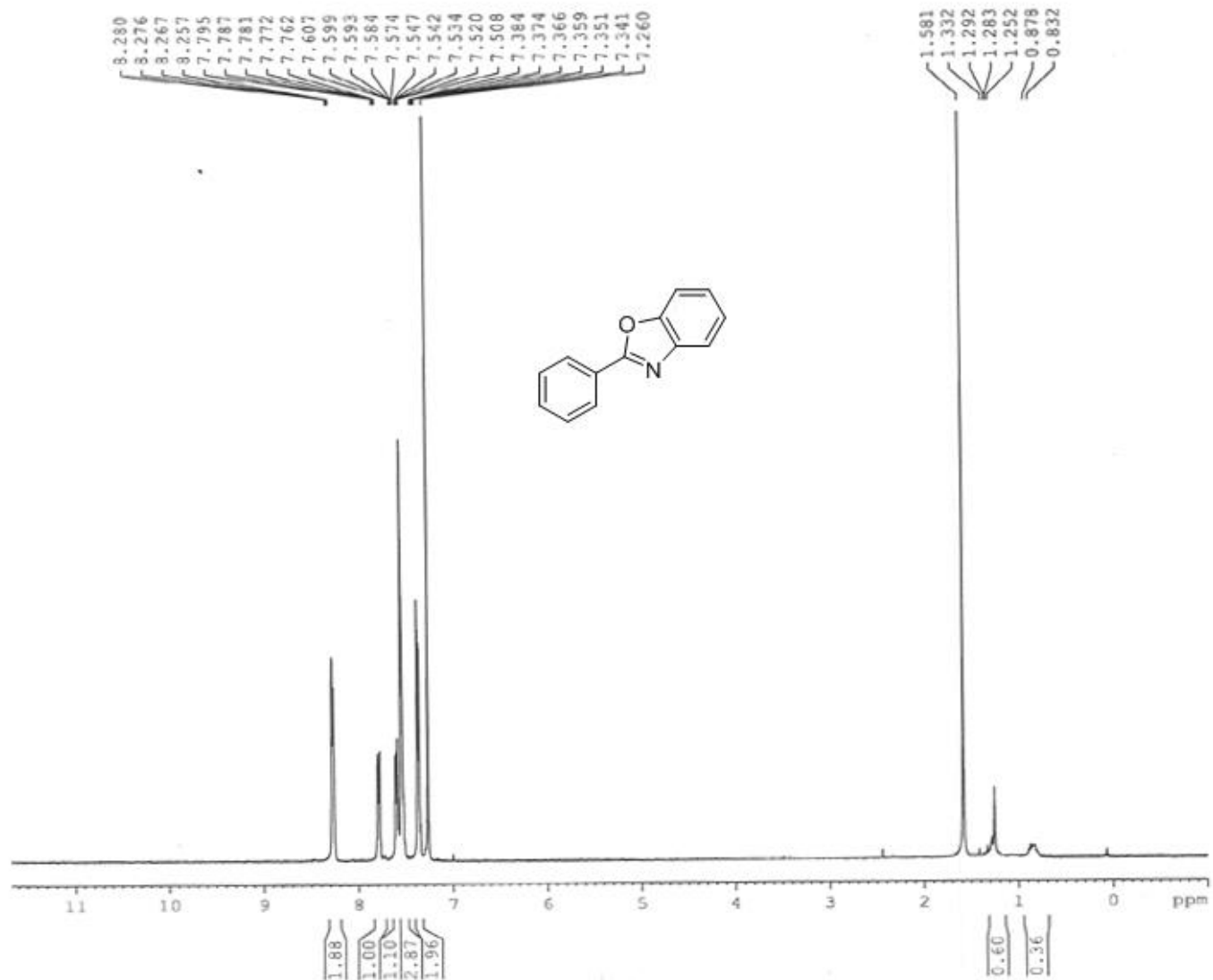
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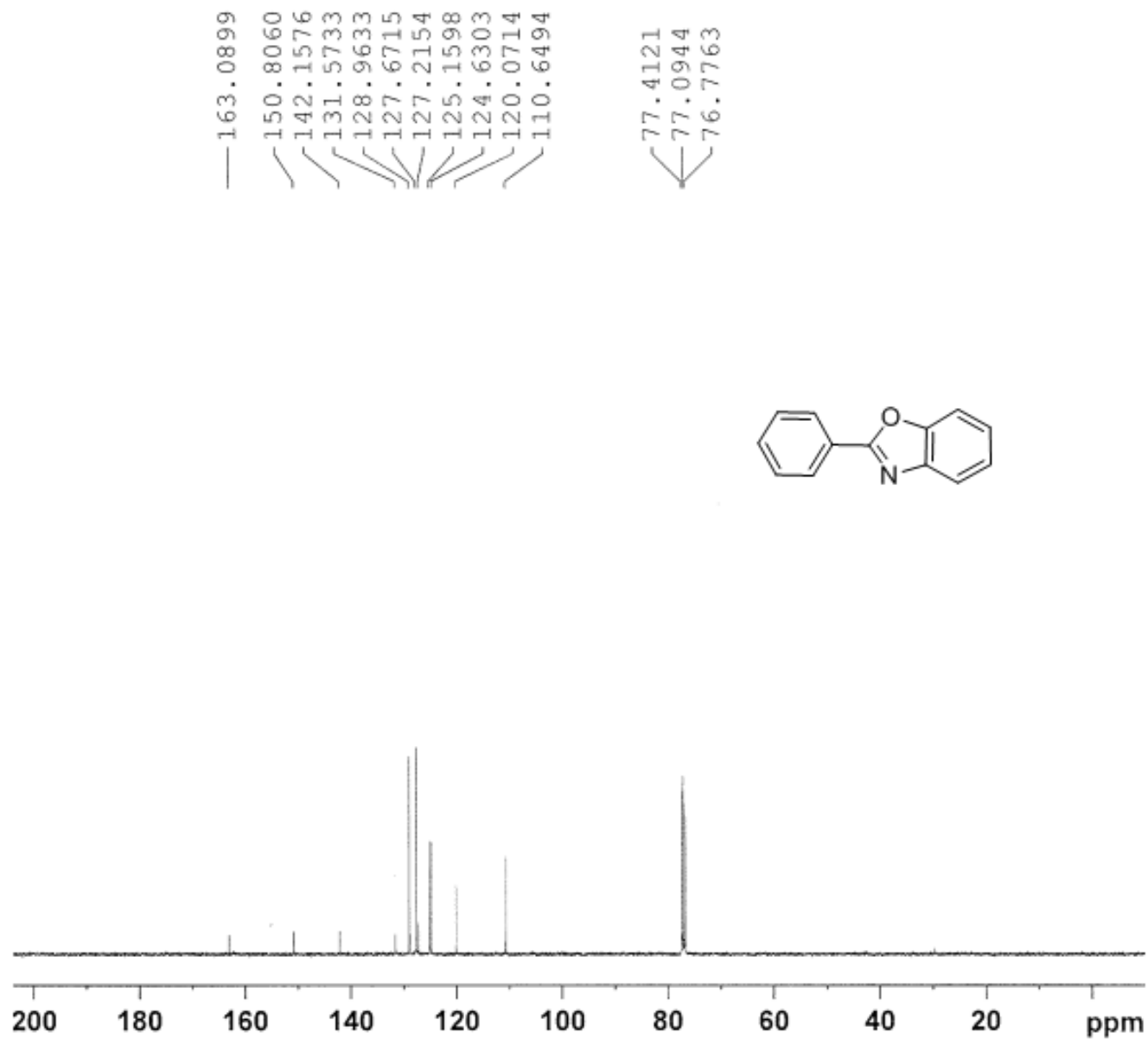
Email: rajesh.rp7@gmail.com; monika.gupta@bbdu.ac.in

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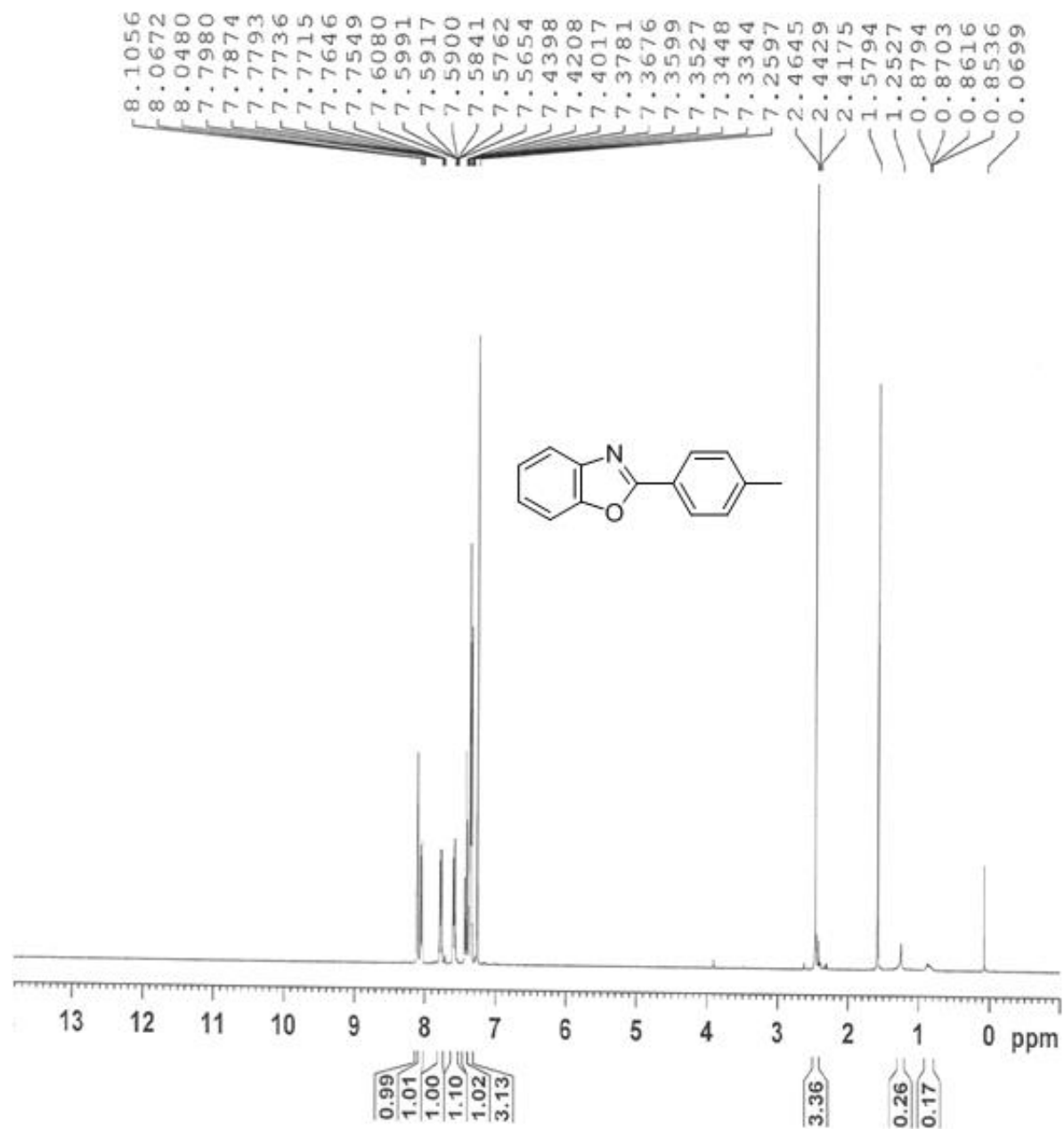
¹H & ¹³C NMR Spectra of 2-Aryl/Alkyl Benzoxazoles (**3a-s**)

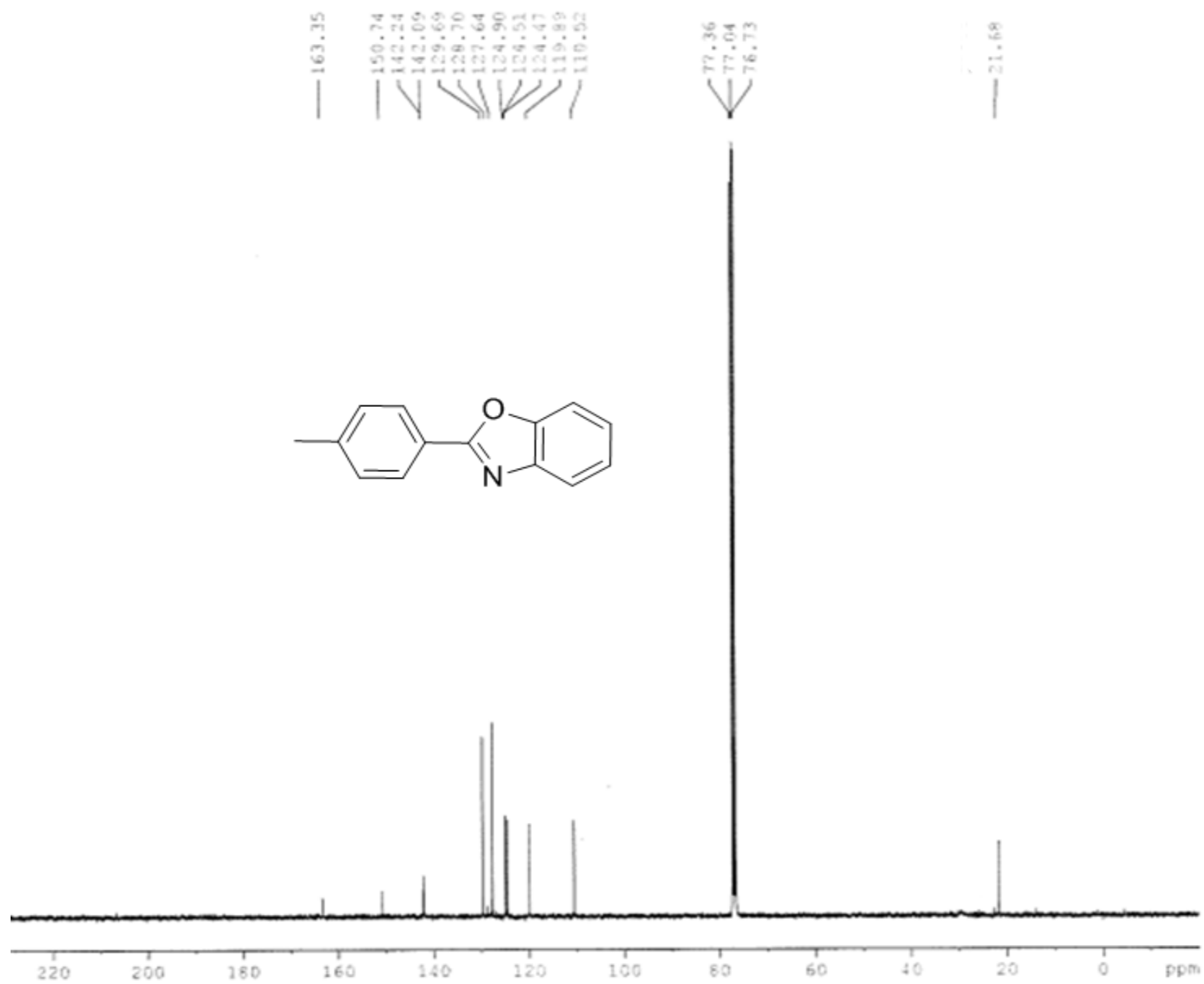


Spectra 1: ^1H NMR (400 MHz, CDCl_3) of compound **3a**.

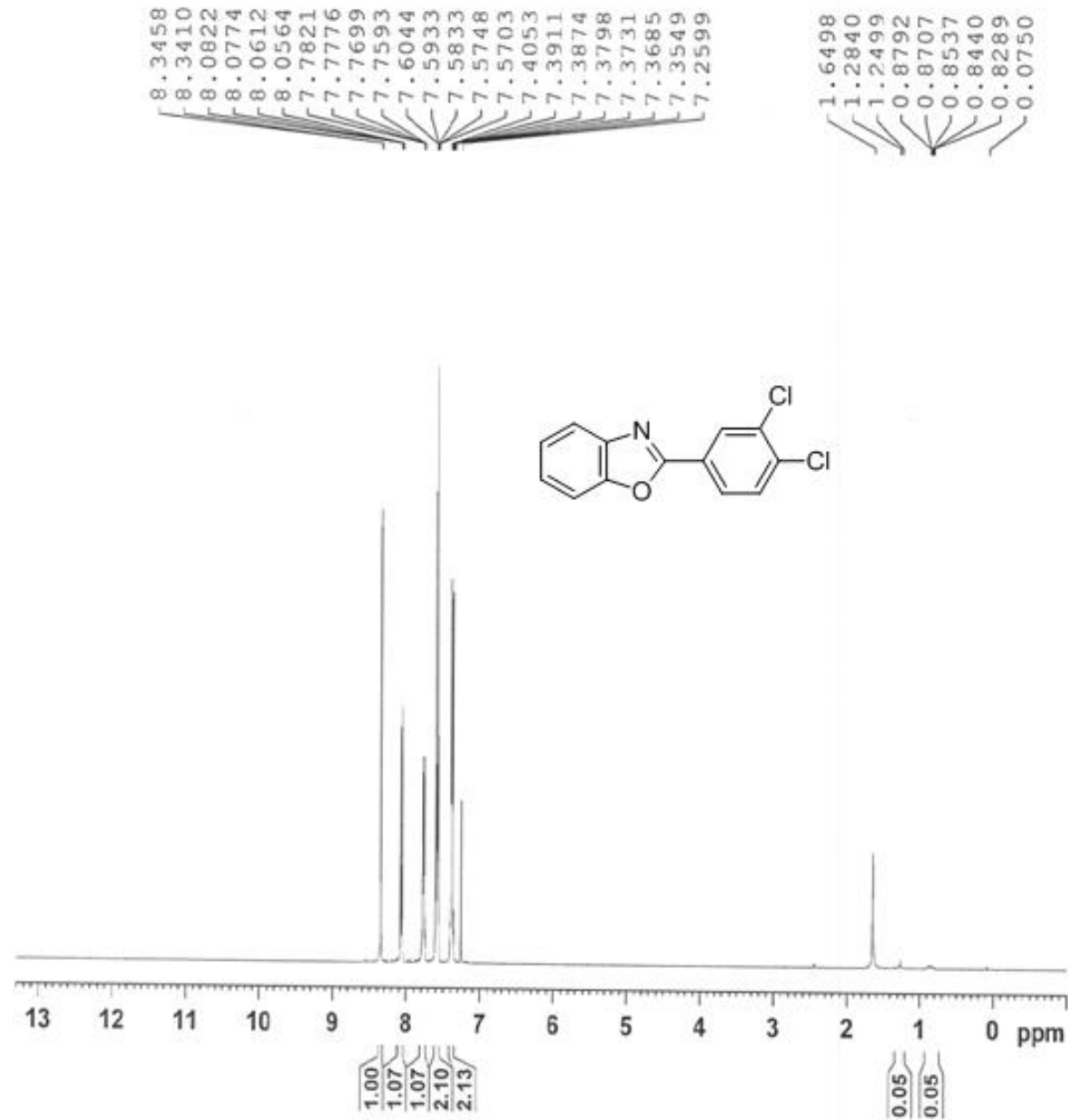


Spectra 2: ¹³C NMR (100 MHz, CDCl₃) of compound 3a.

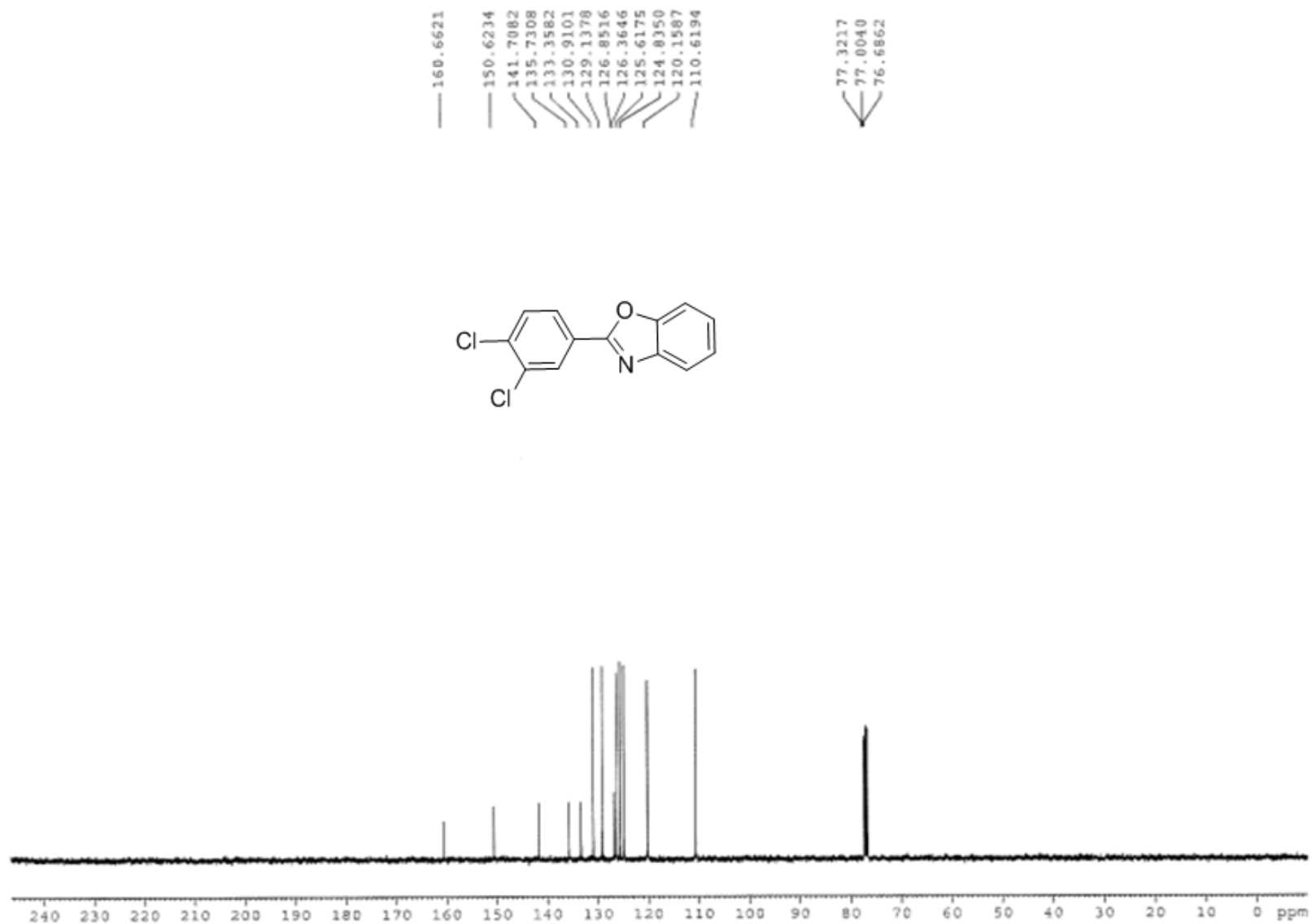
Spectra 3: $^1\text{H NMR}$ (400 MHz, CDCl_3) of compound 3b.

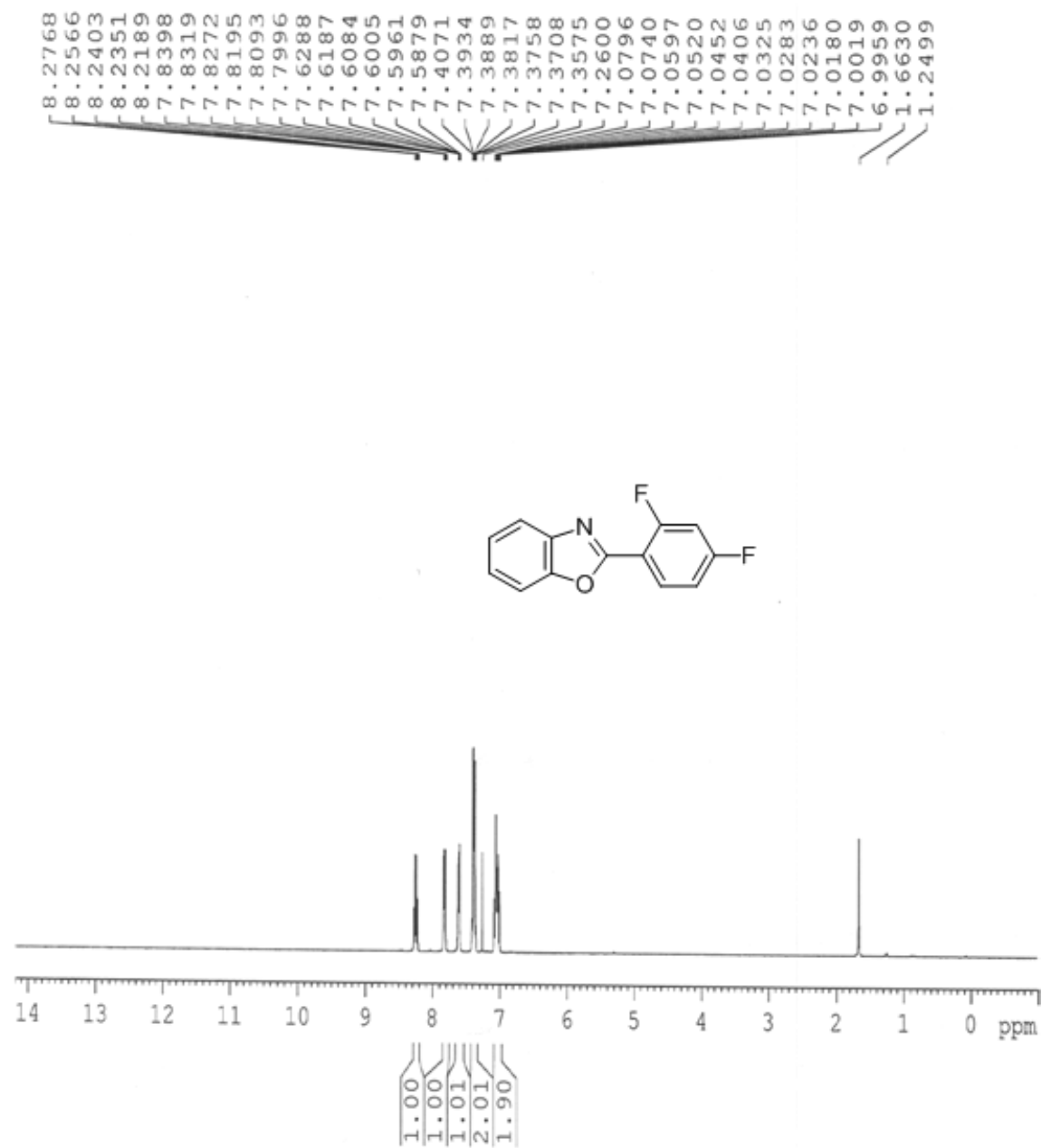


Spectra 4: ^{13}C NMR (100 MHz, CDCl_3) of compound **3b**.

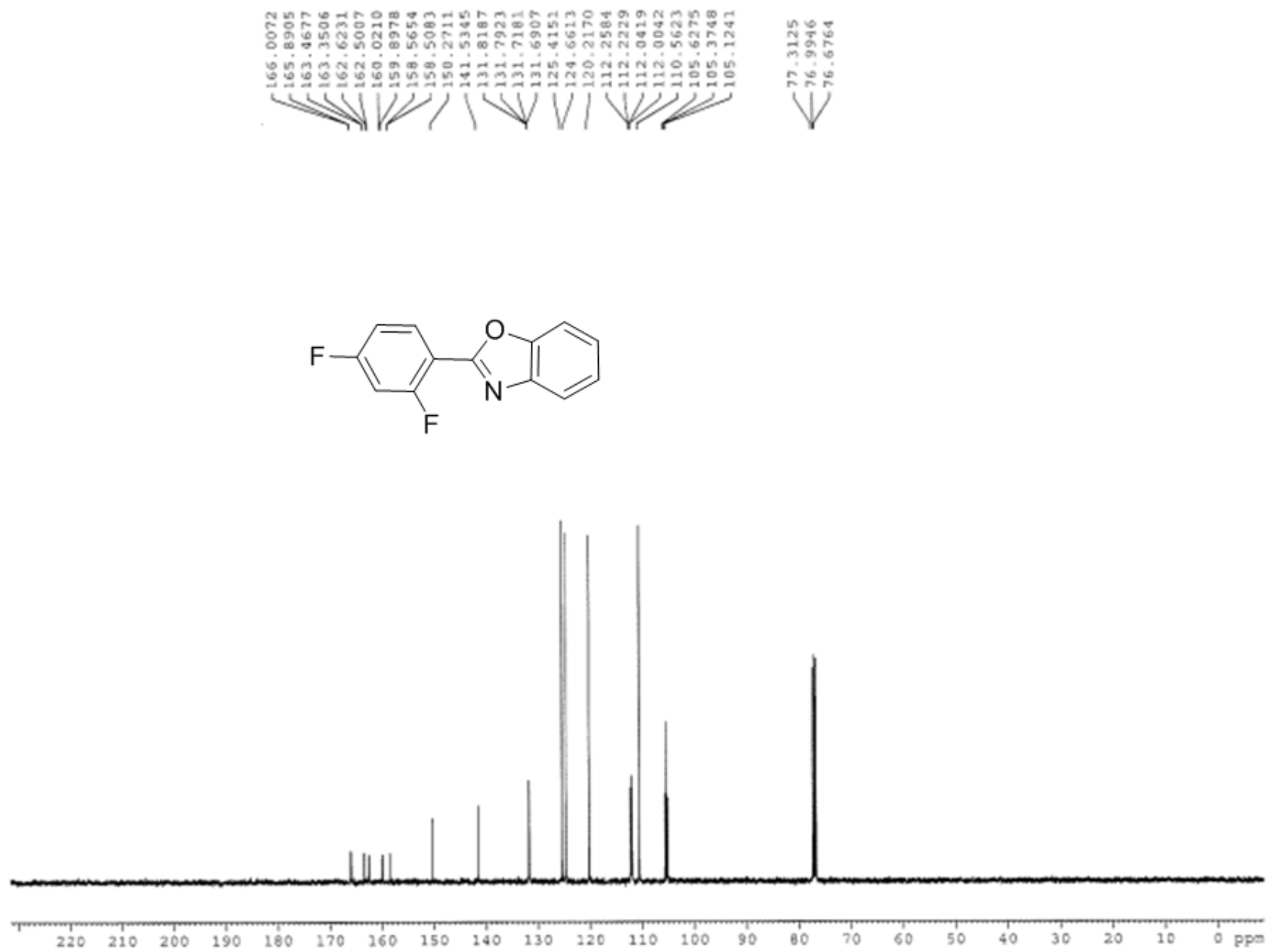


Spectra 5: ¹H NMR (400 MHz, CDCl₃) of compound 3c.

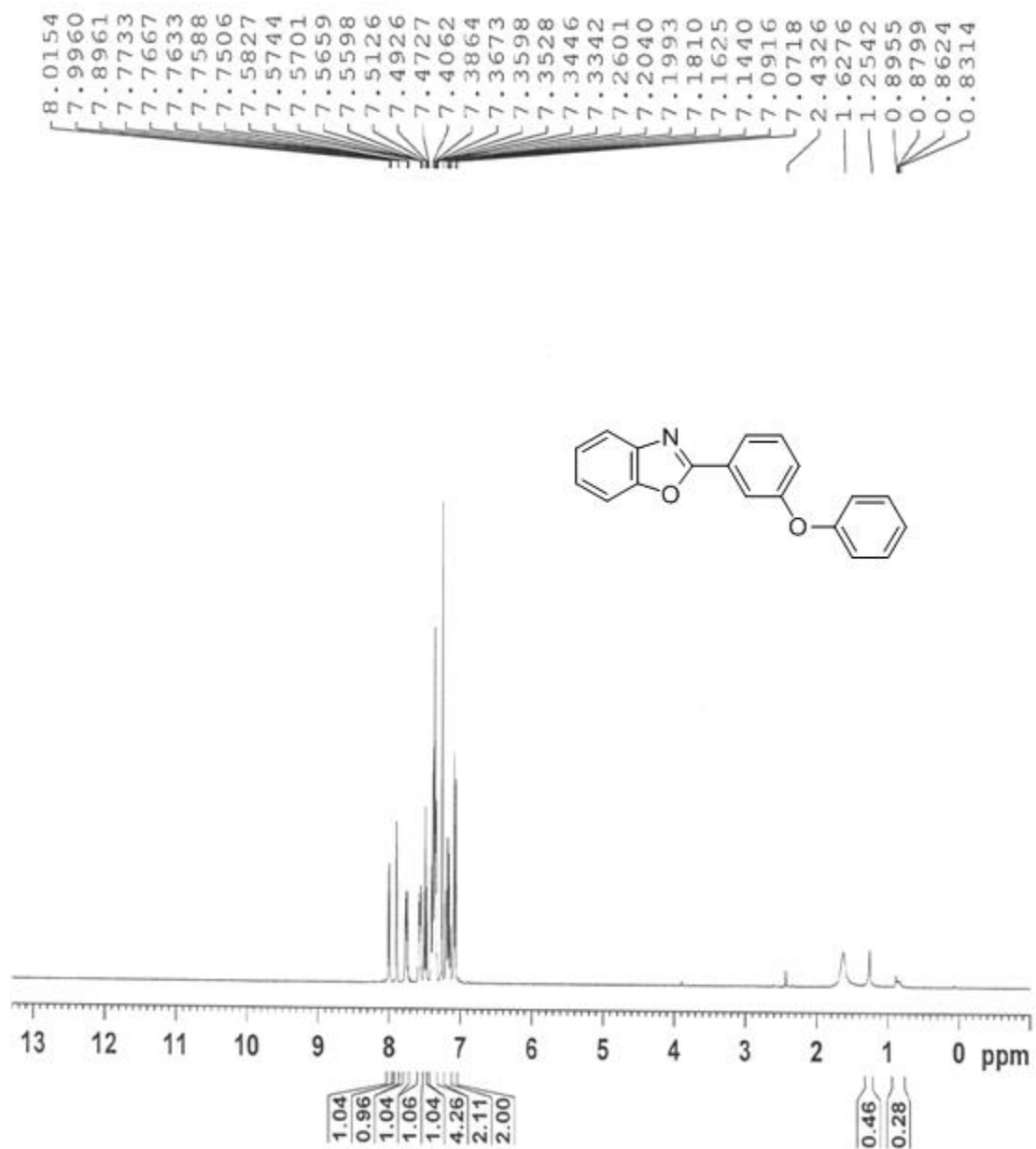
**Spectra 6:** ^{13}C NMR (100 MHz, CDCl_3) of compound 3c.



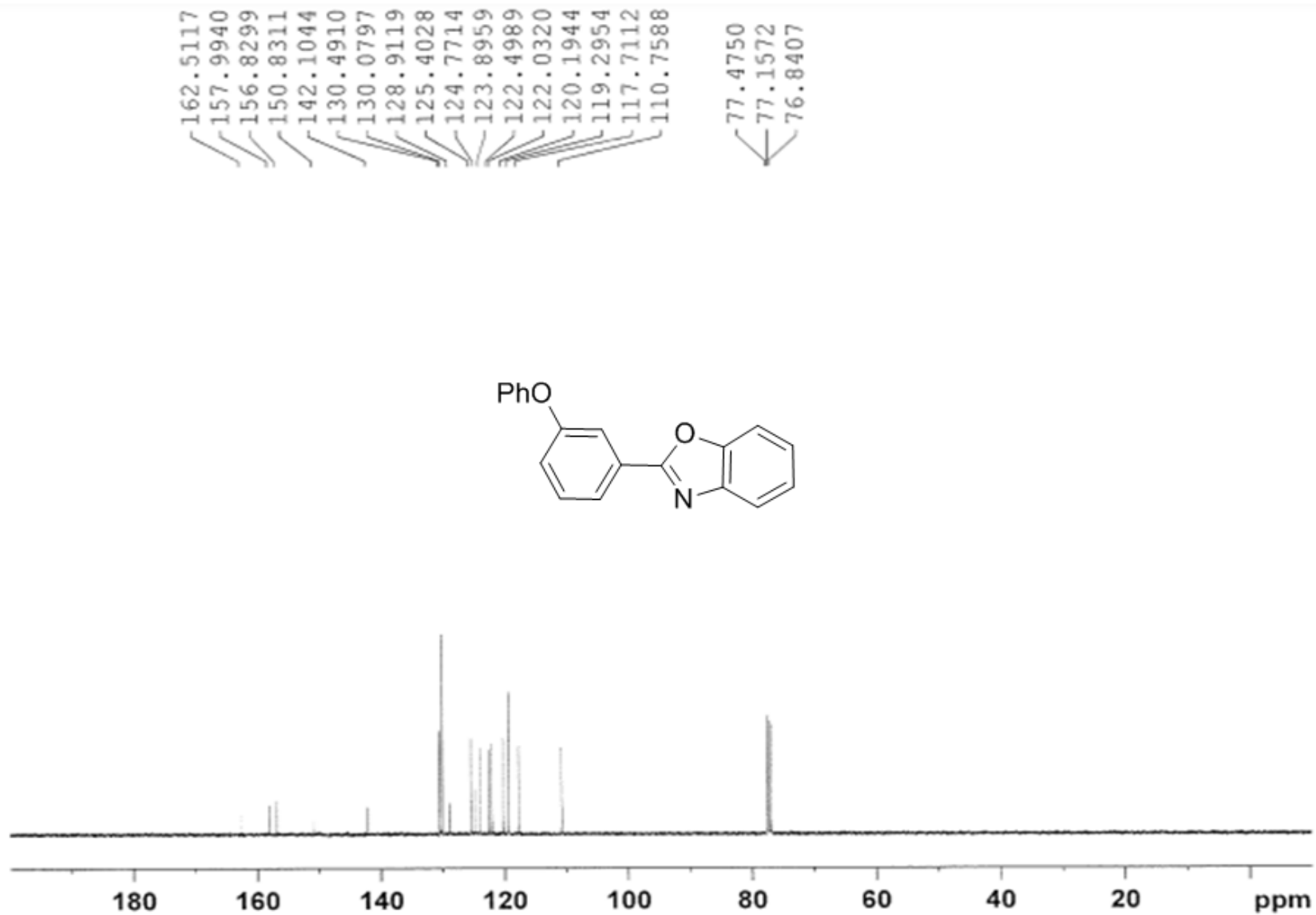
Spectra 7: ¹H NMR (400 MHz, CDCl₃) of compound **3d**.



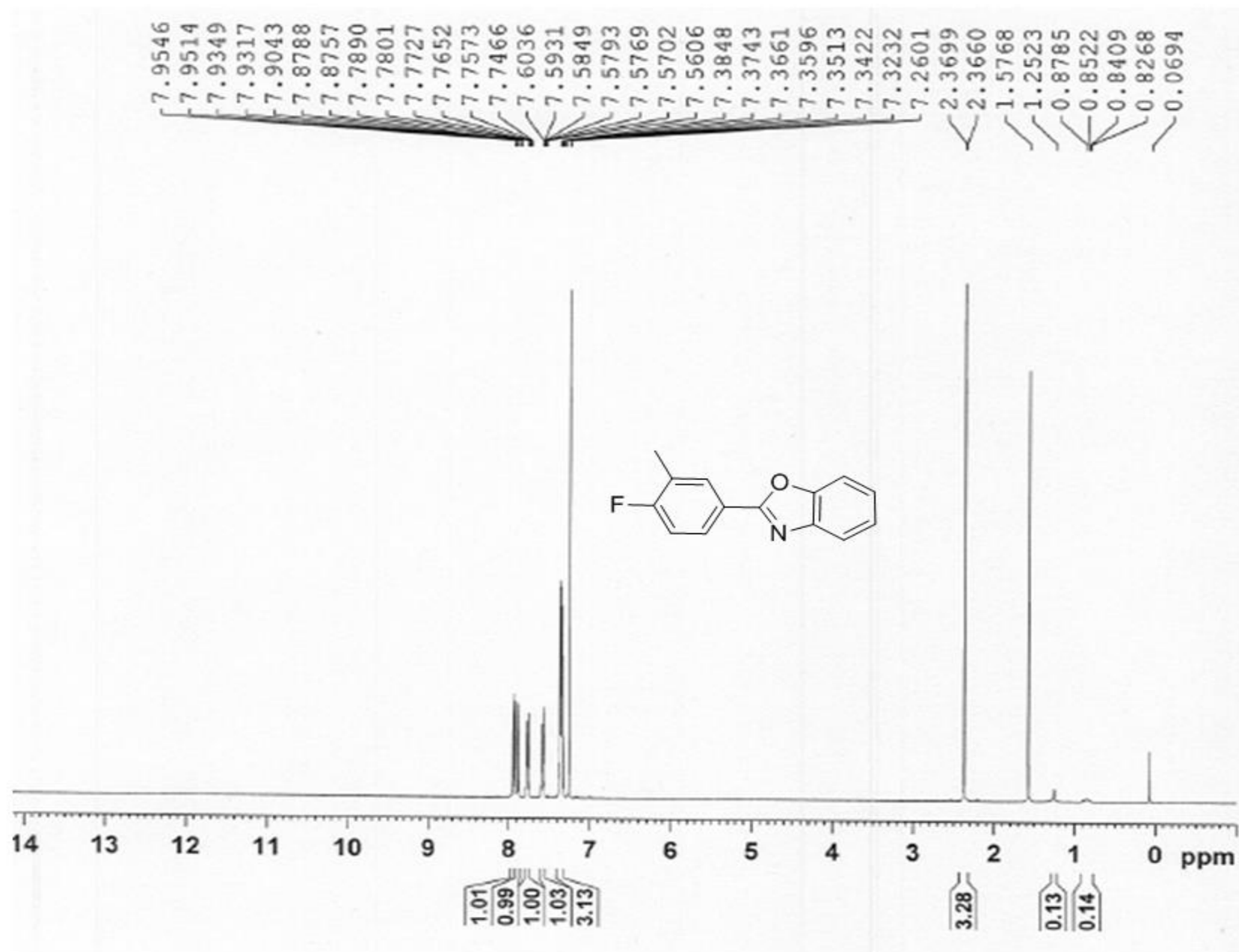
Spectra 8: ¹³C NMR (100 MHz, CDCl₃) of compound **3d**.

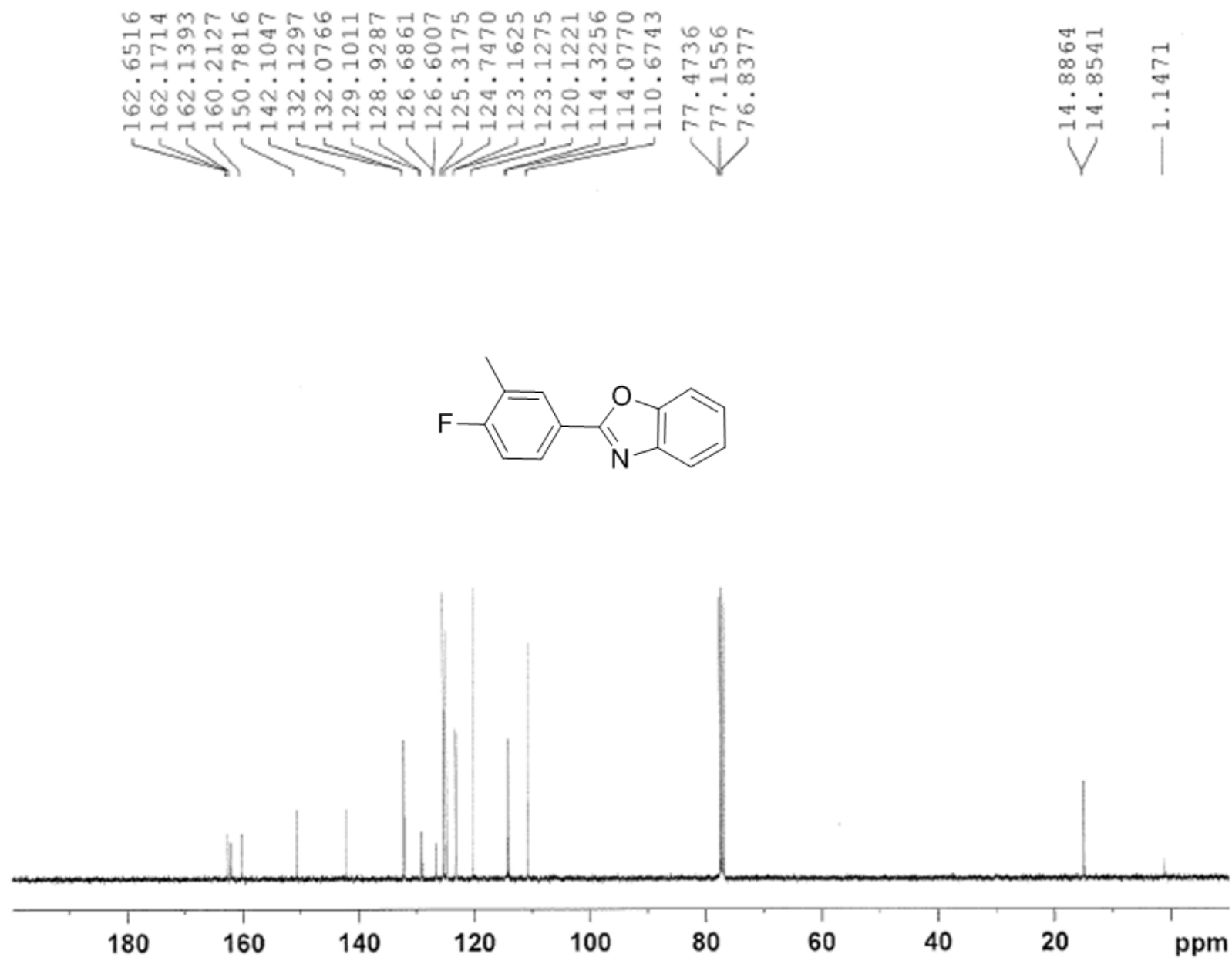


Spectra 9: ¹H NMR (400 MHz, CDCl₃) of compound 3e.

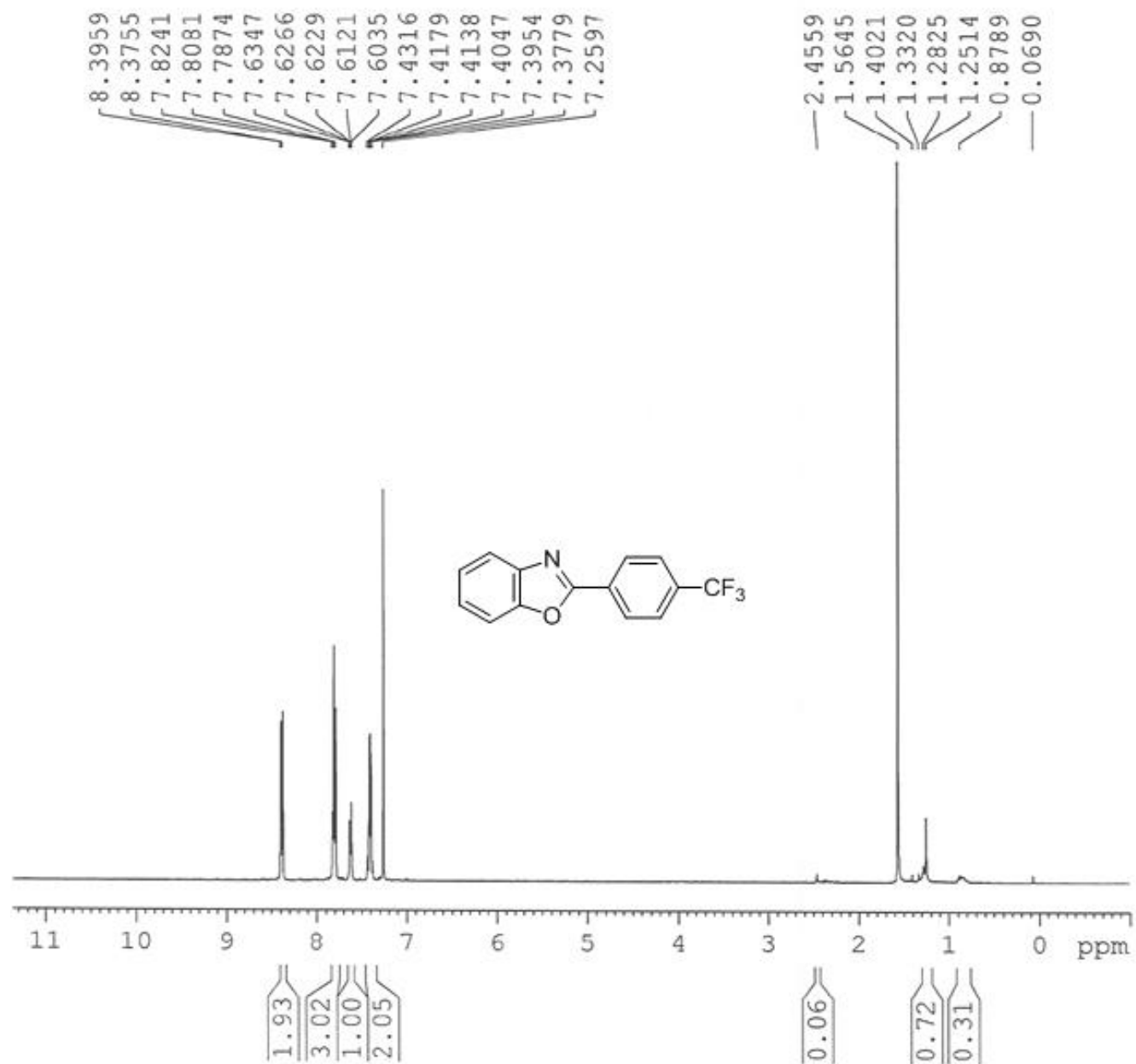


Spectra 10: ^{13}C NMR (100 MHz, CDCl_3) of compound **3e**.

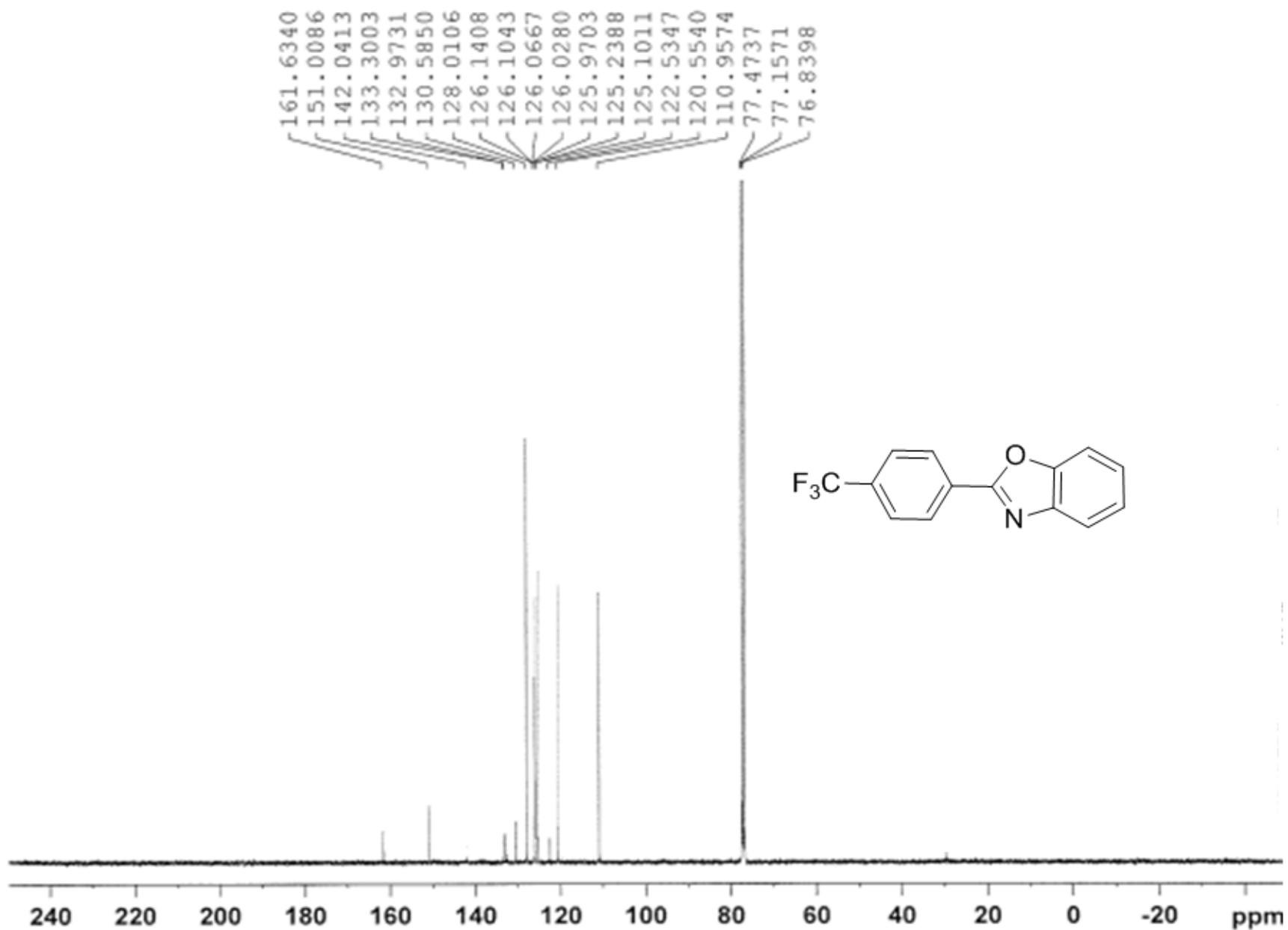
Spectra 11: ¹H NMR (400 MHz, CDCl₃) of compound 3f.



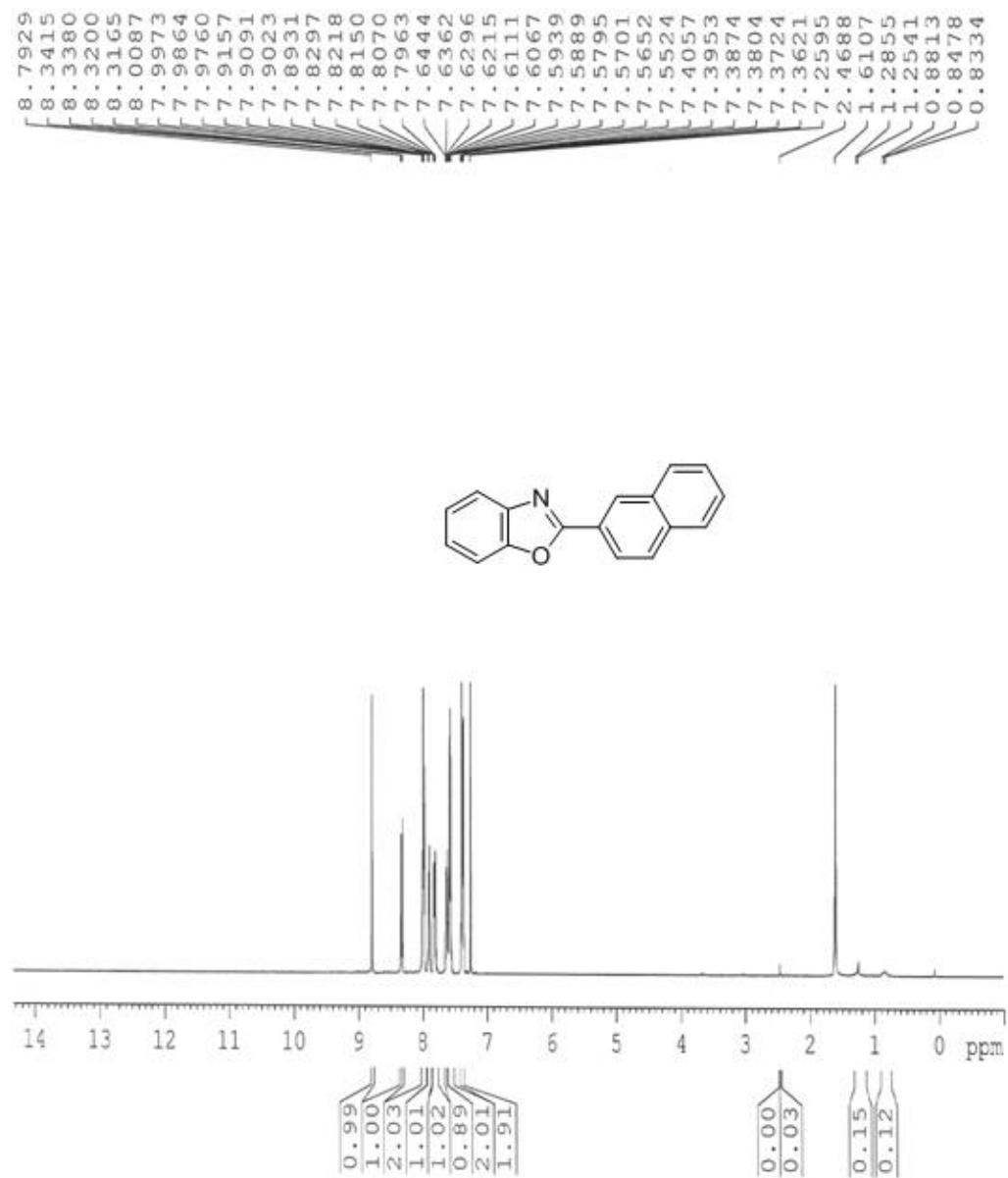
Spectra 12: ^{13}C NMR (100 MHz, CDCl_3) of compound 3f.



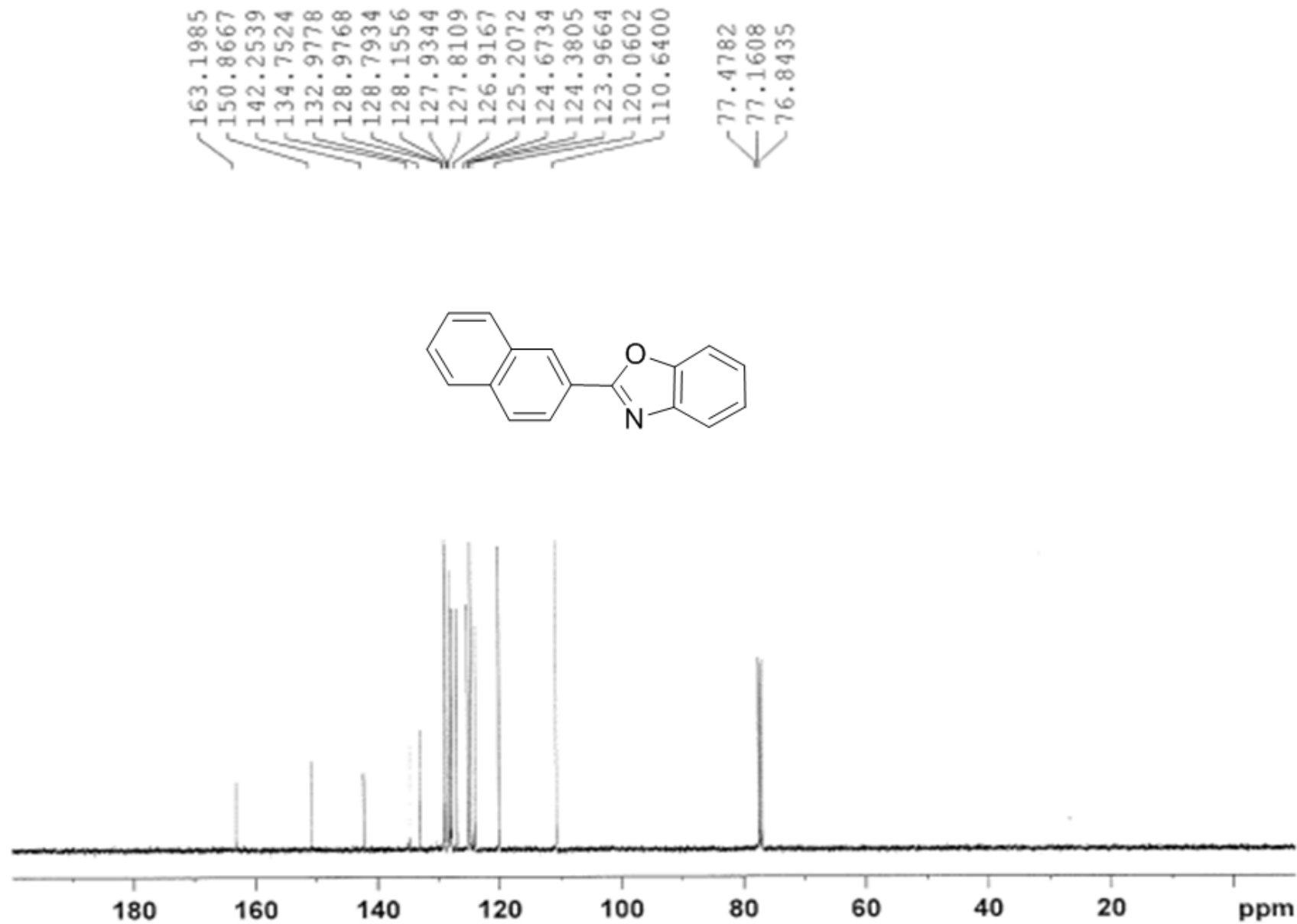
Spectra 13: ¹H NMR (400 MHz, CDCl₃) of compound **3g**.



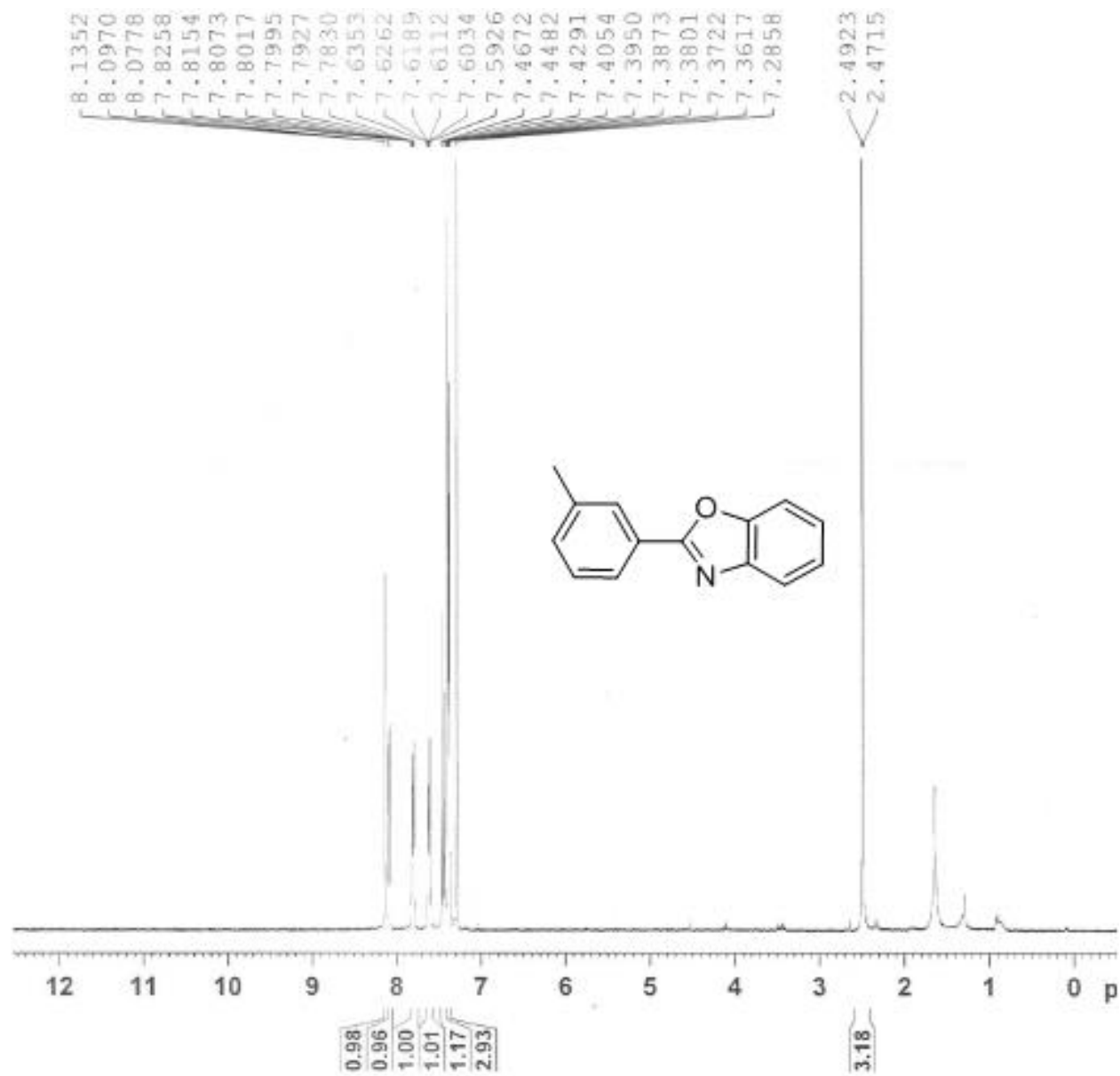
Spectra 14: ^{13}C NMR (100 MHz, CDCl_3) of compound 3g.



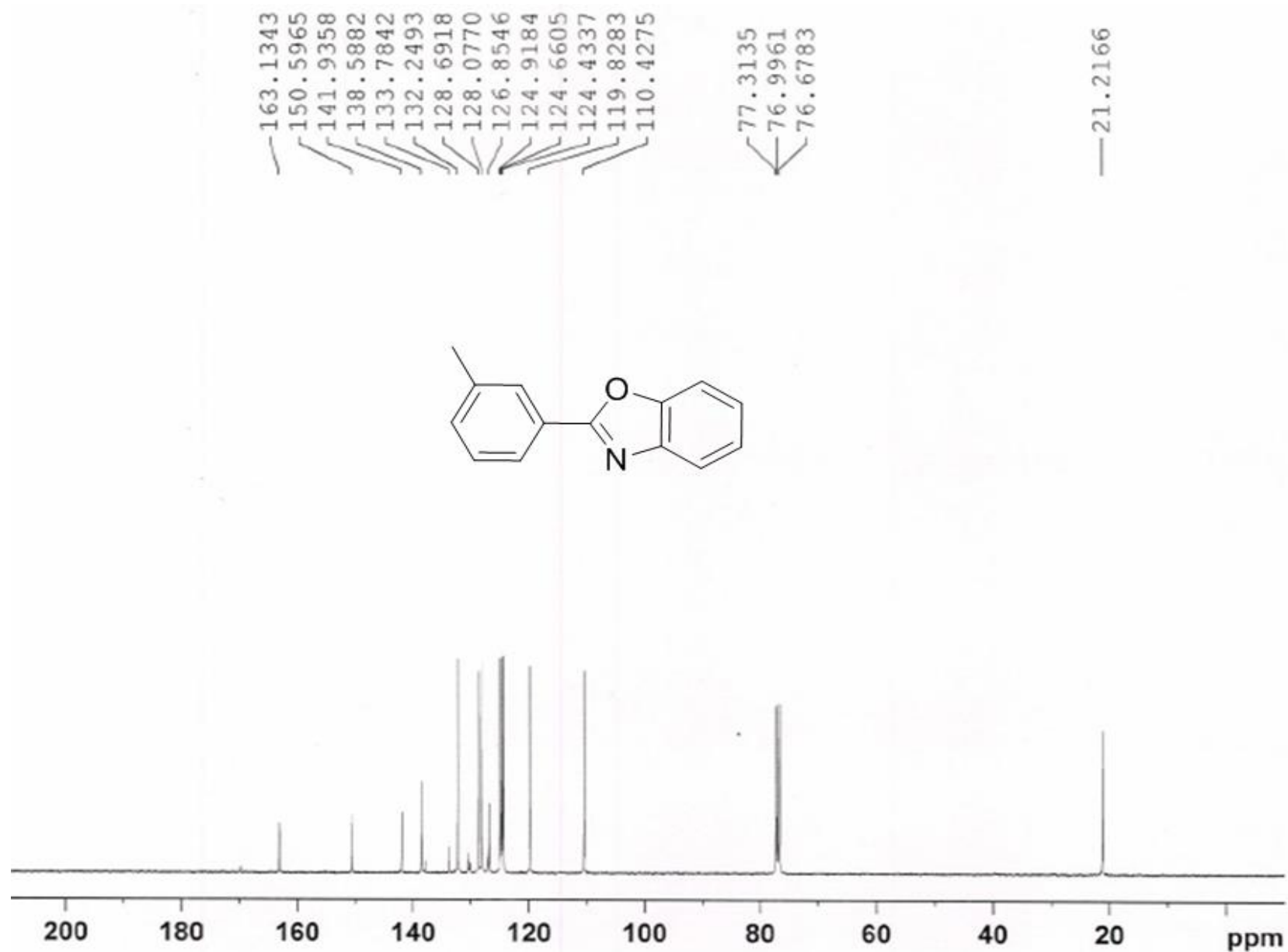
Spectra 15: ¹H NMR (400 MHz, CDCl₃) of compound **3h**.



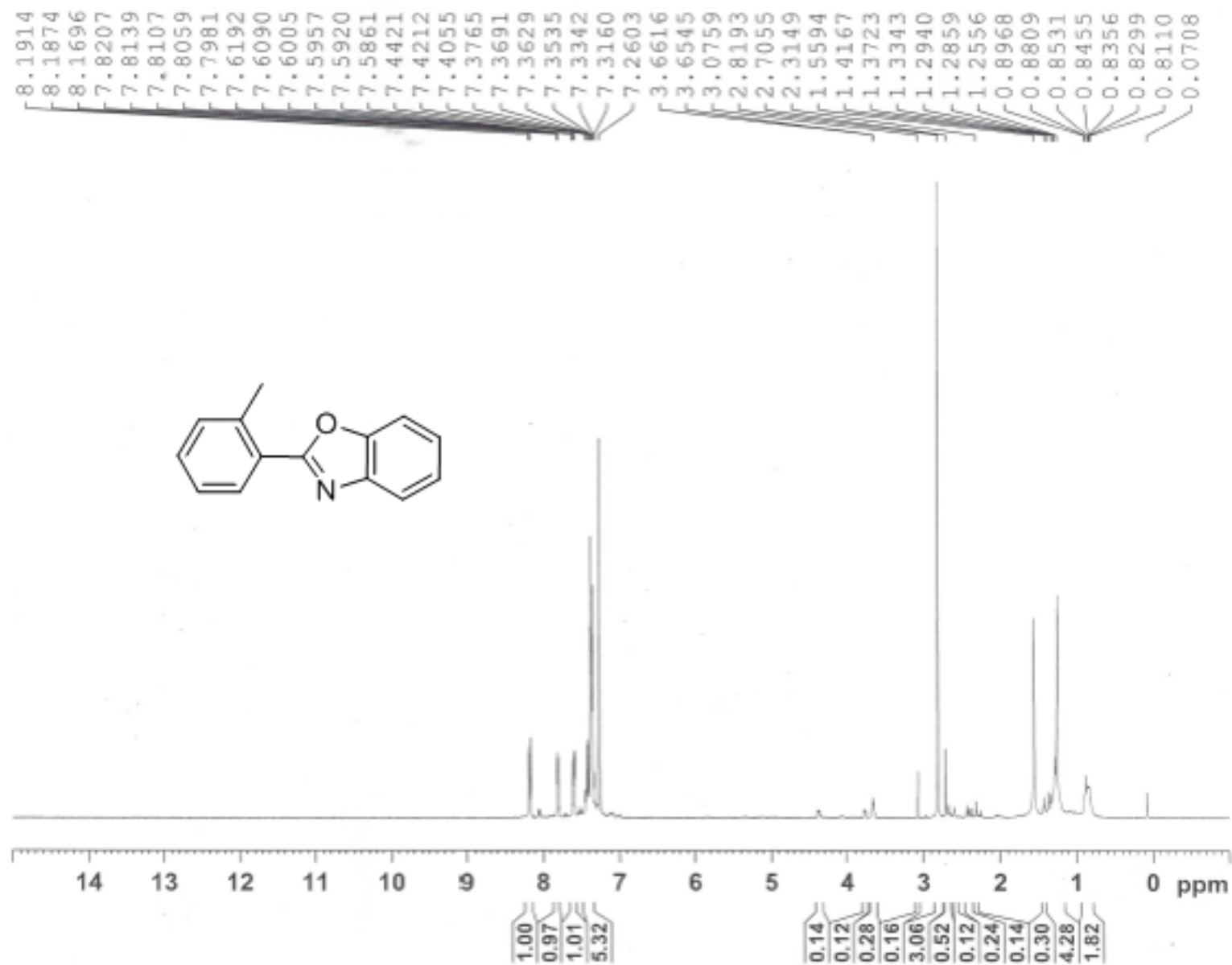
Spectra 16: ^{13}C NMR (100 MHz, CDCl_3) of compound **3h**.
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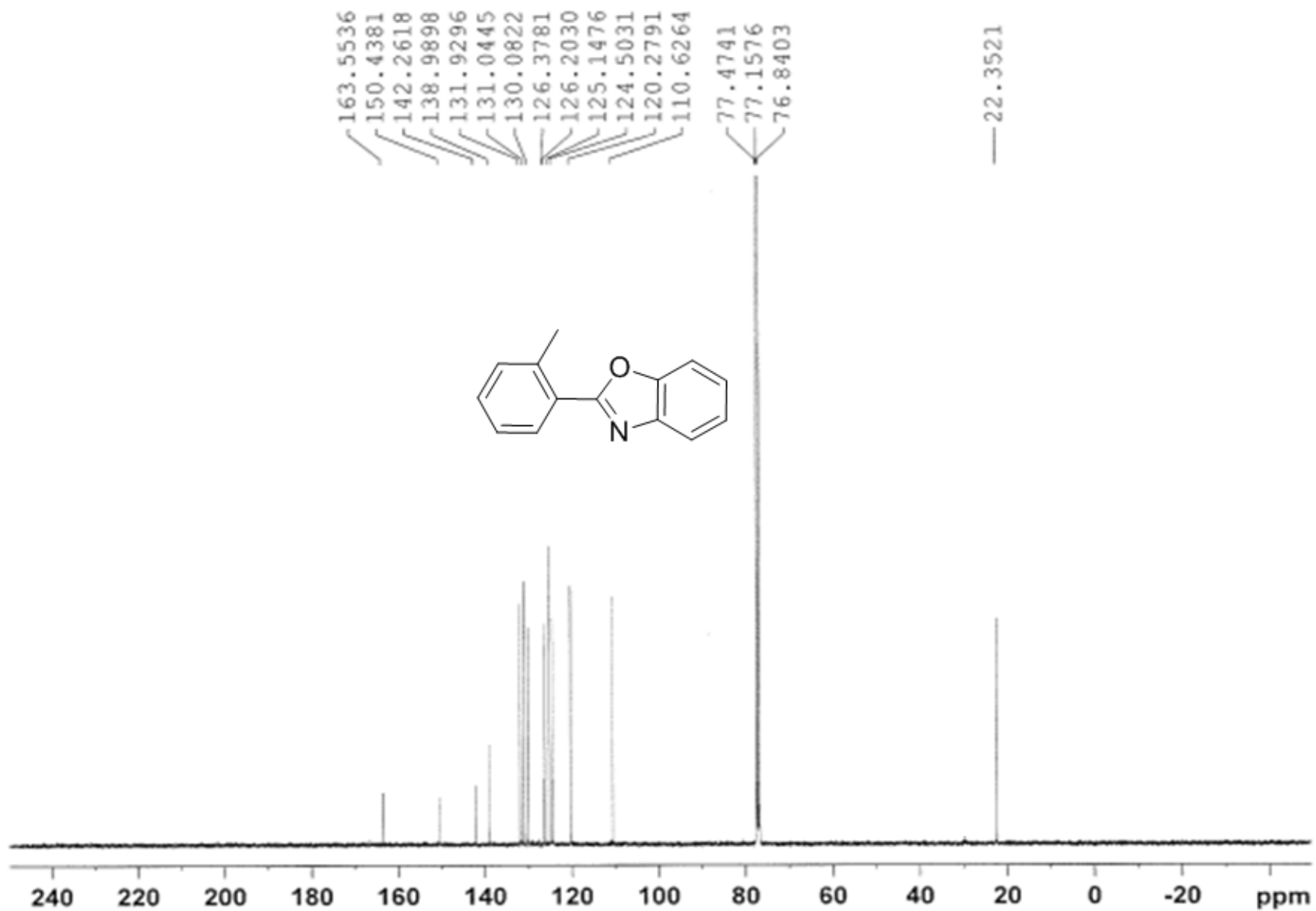
Spectra 17: ¹H NMR (400 MHz, CDCl₃) of compound **3i**.



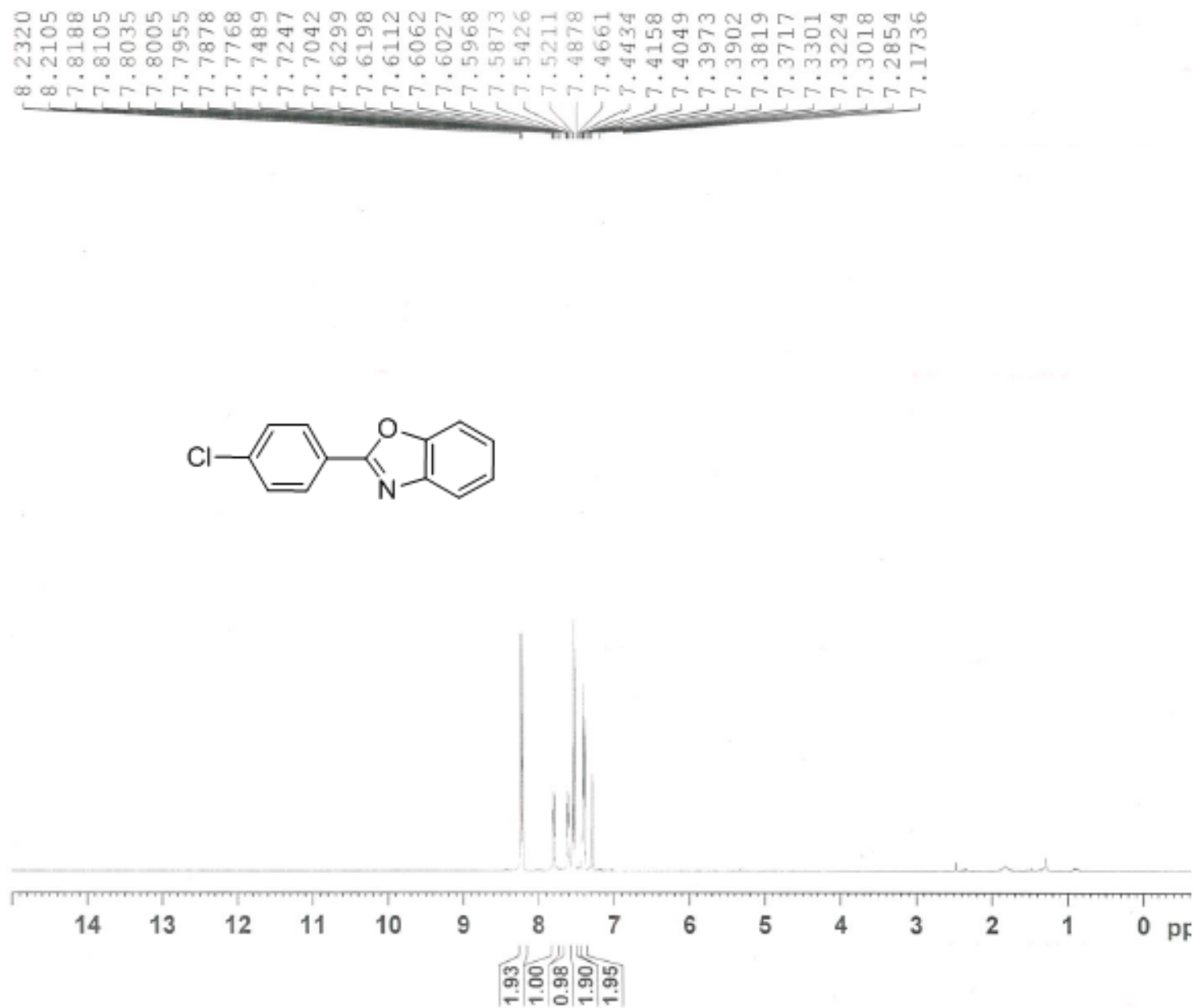
Spectra 18: ^{13}C NMR (100 MHz, CDCl_3) of compound **3i**.



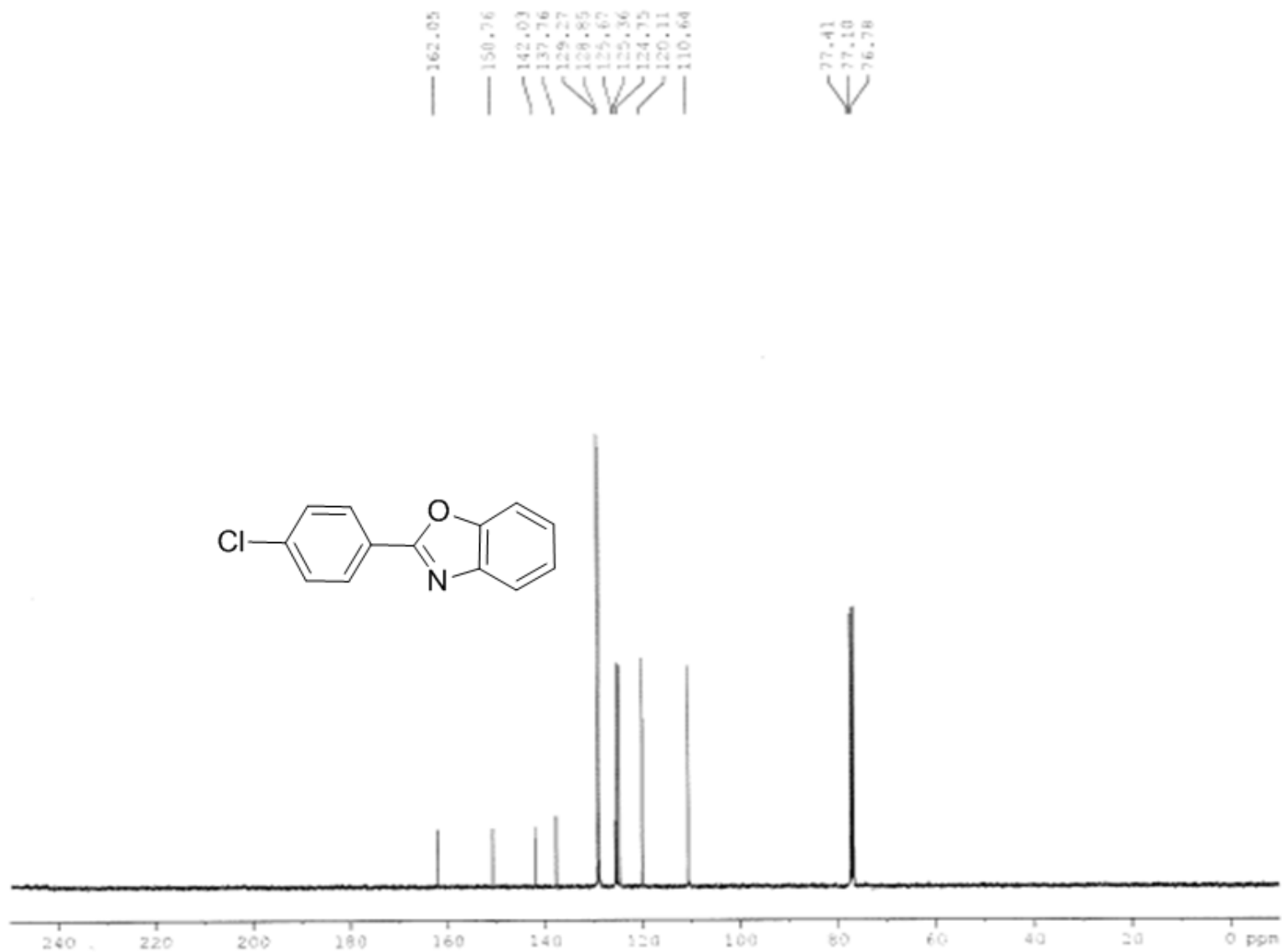
Spectra 19: $^1\text{H NMR}$ (400 MHz, CDCl_3) of compound **3j**.



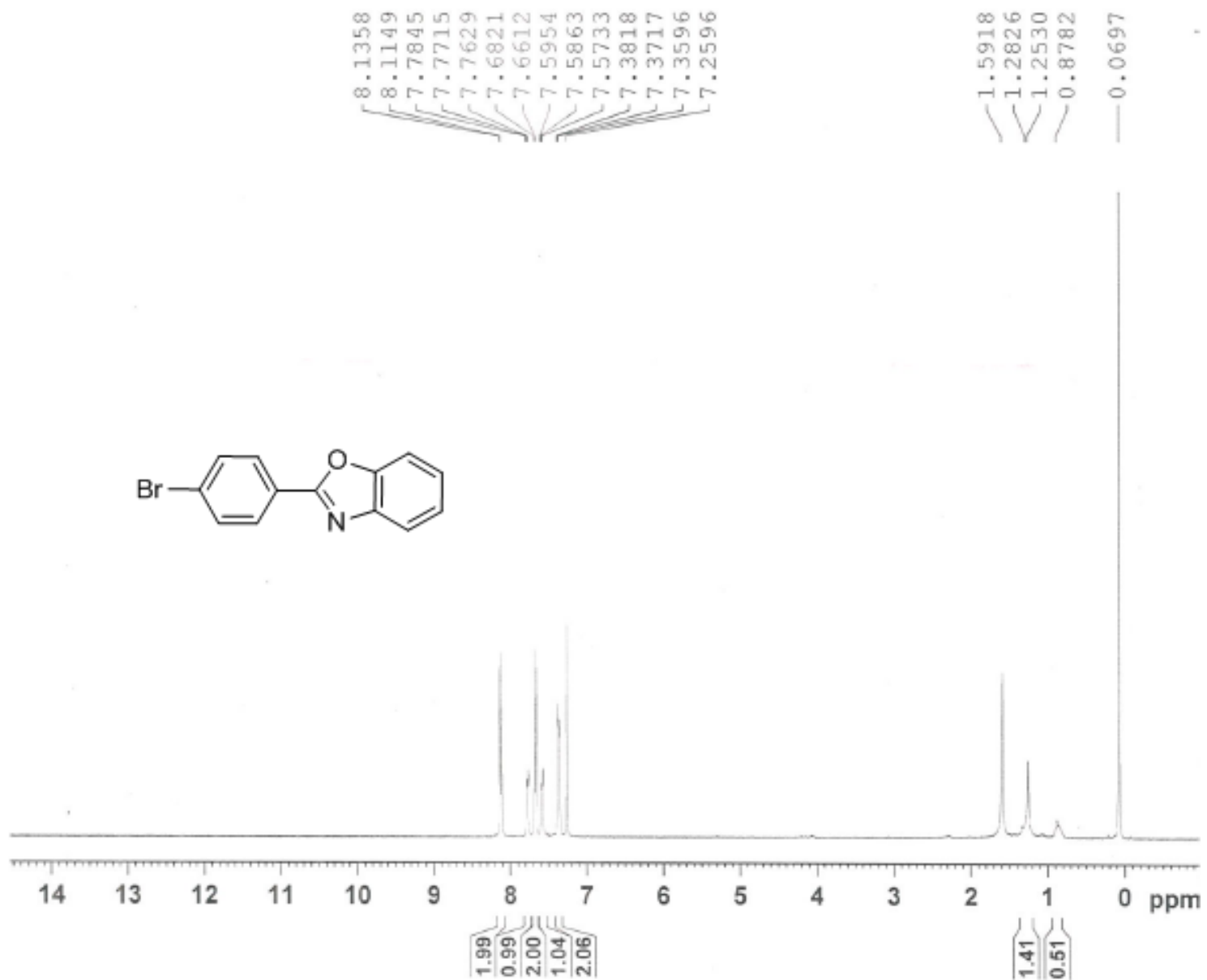
Spectra 20: ¹³C NMR (100 MHz, CDCl₃) of compound 3j.



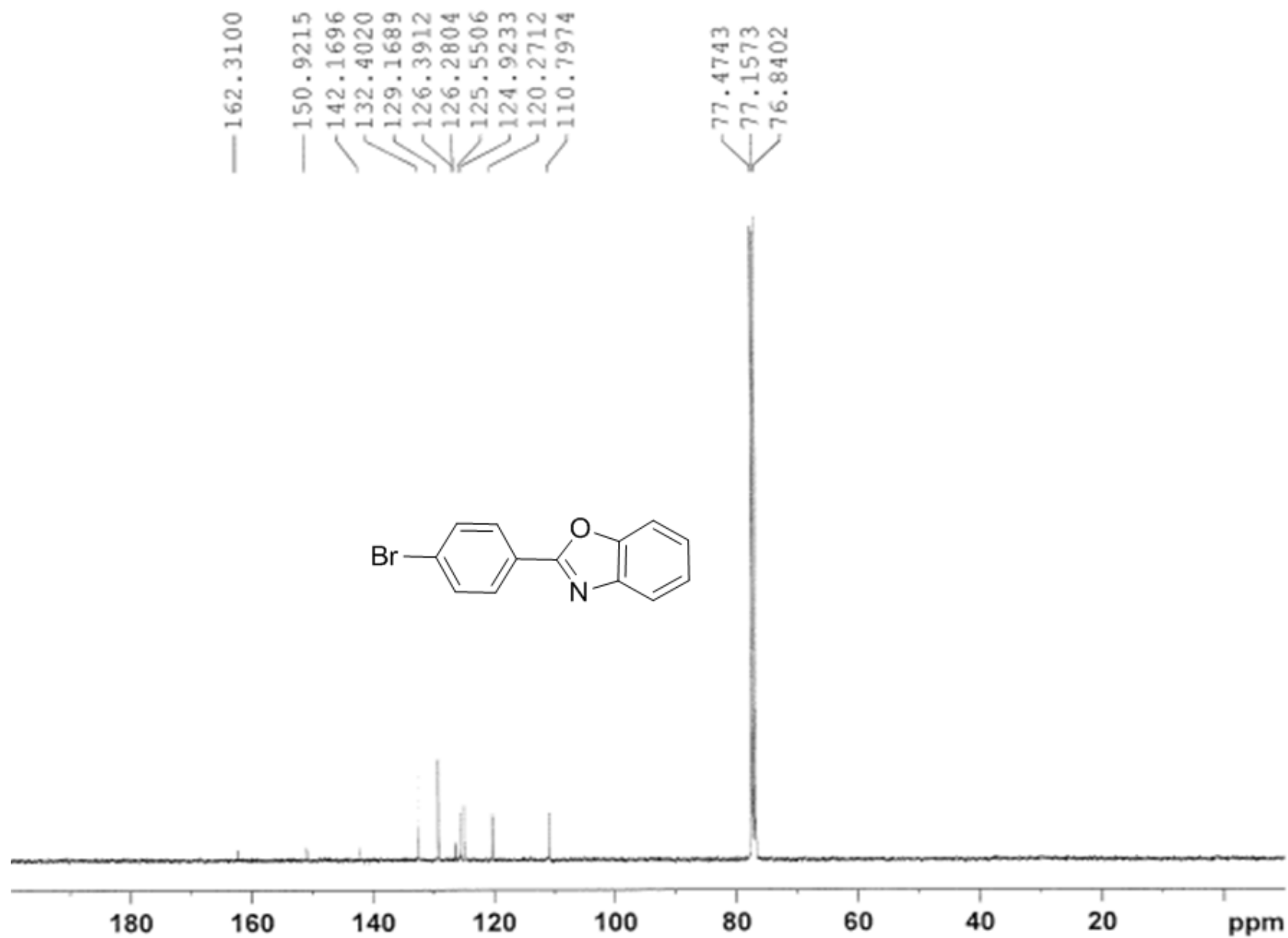
Spectra 21: ¹H NMR (400 MHz, CDCl₃) of compound 3k.



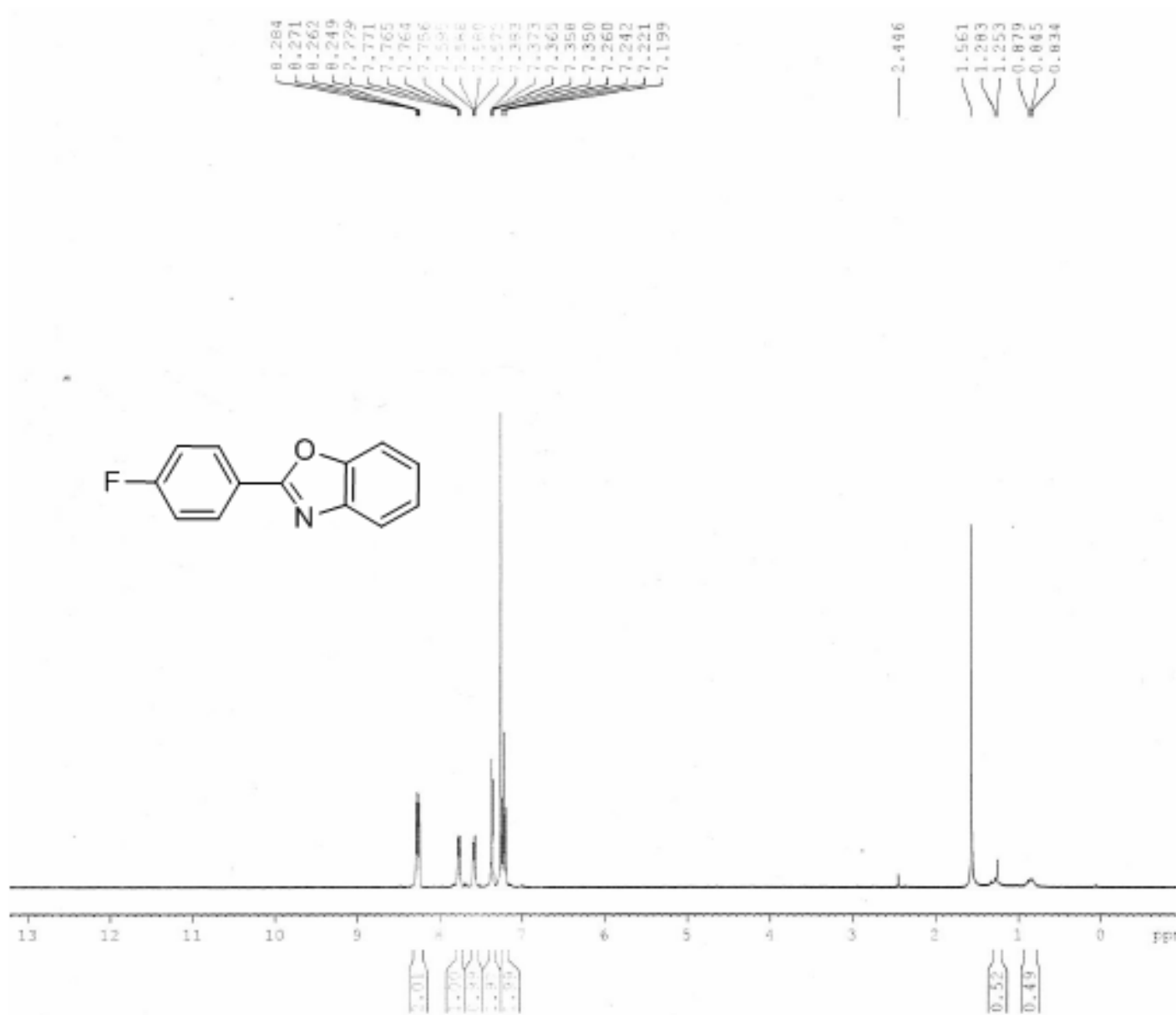
Spectra 22: ¹³C NMR (100 MHz, CDCl₃) of compound **3k**.



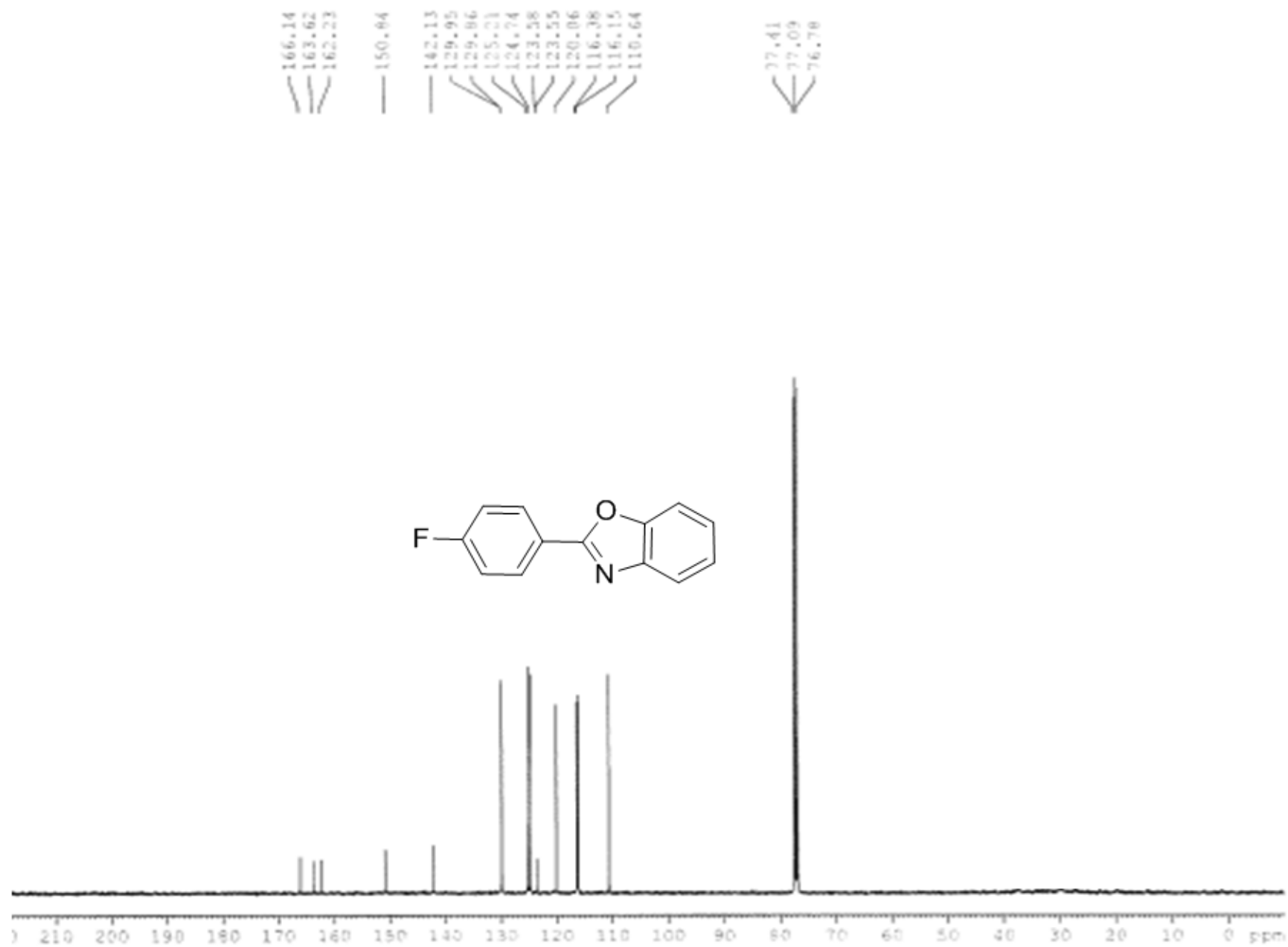
Spectra 23: ¹H NMR (400 MHz, CDCl₃) of compound 3l.



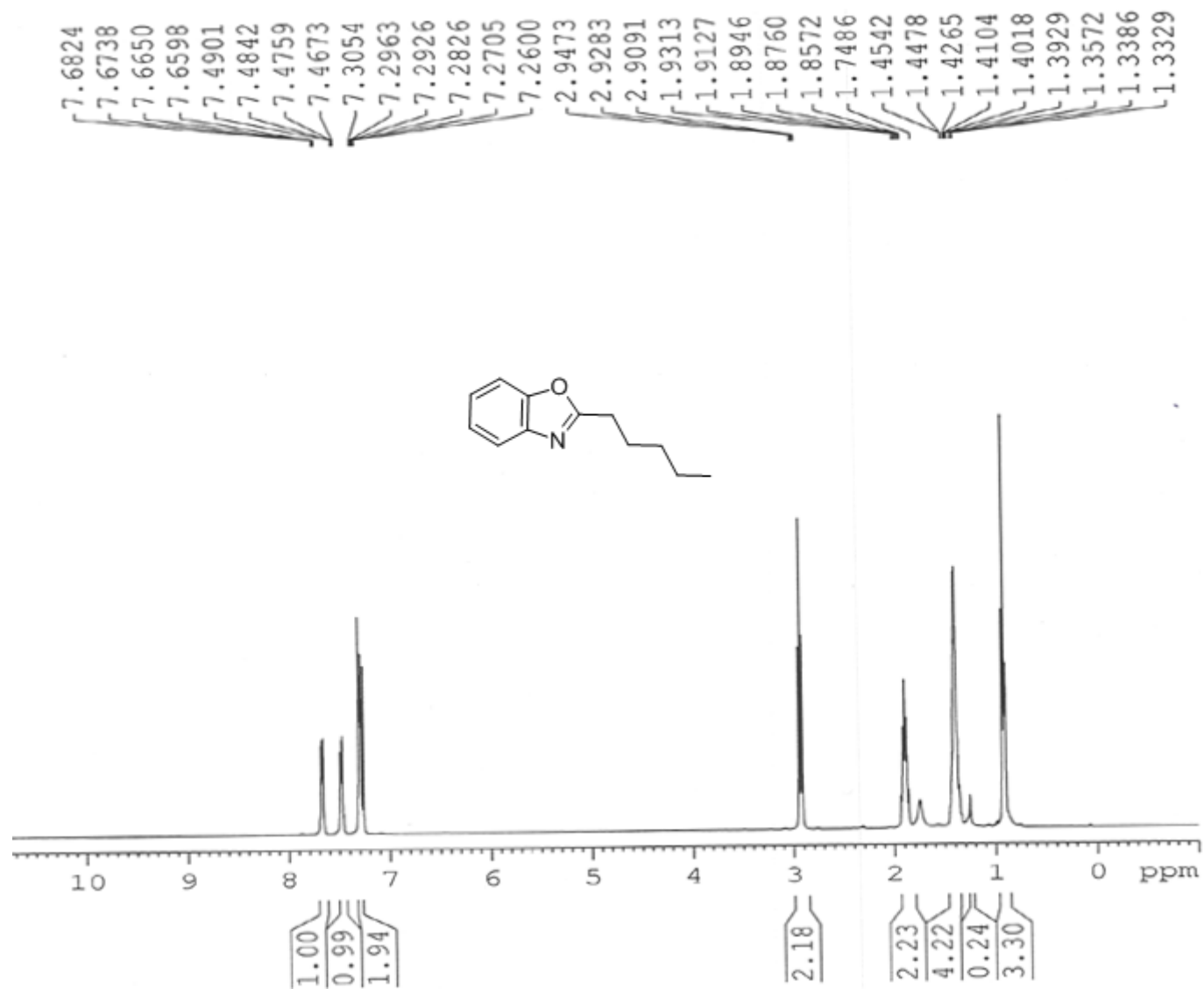
Spectra 24: ¹³C NMR (100 MHz, CDCl₃) of compound 31.



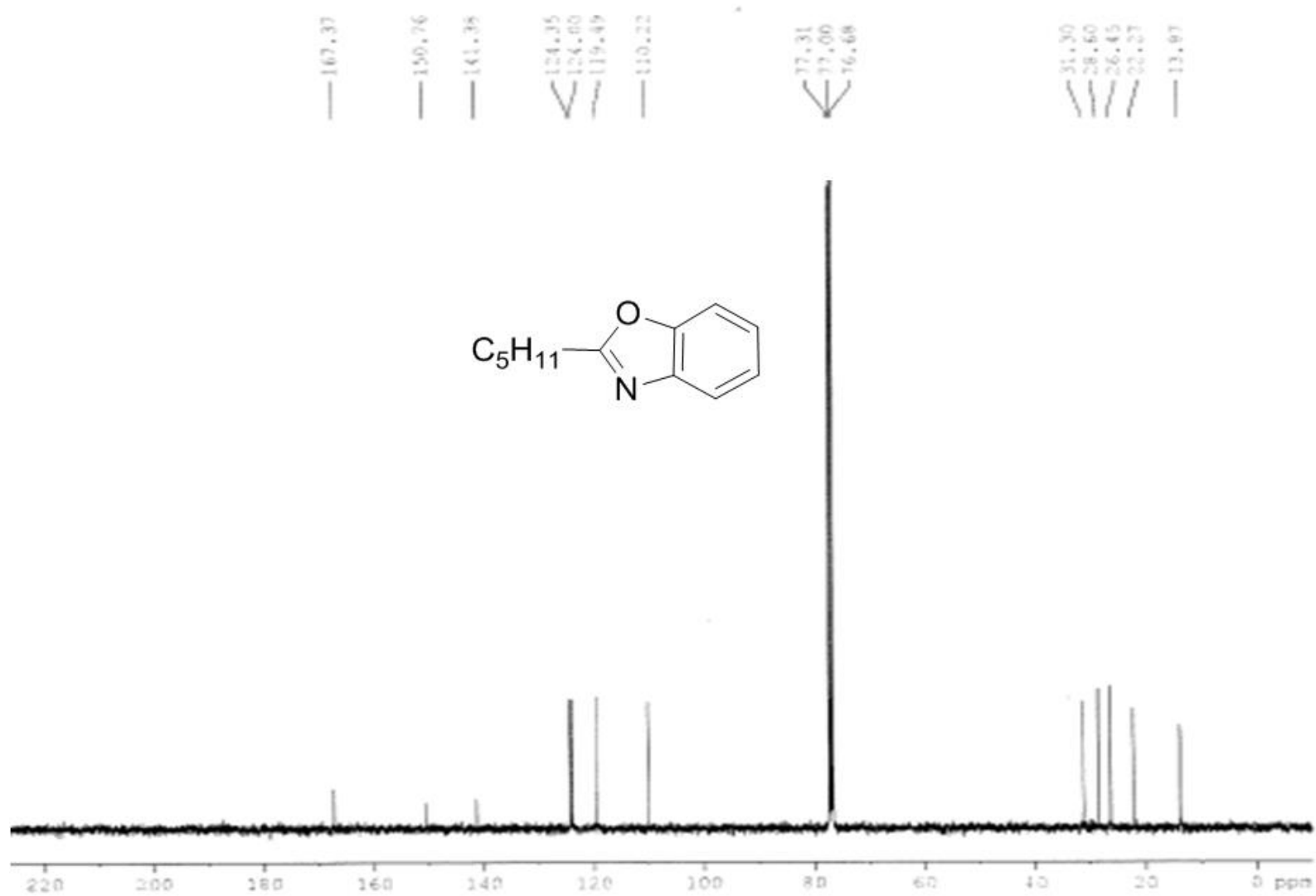
Spectra 25: ¹H NMR (400 MHz, CDCl₃) of compound **3m**.



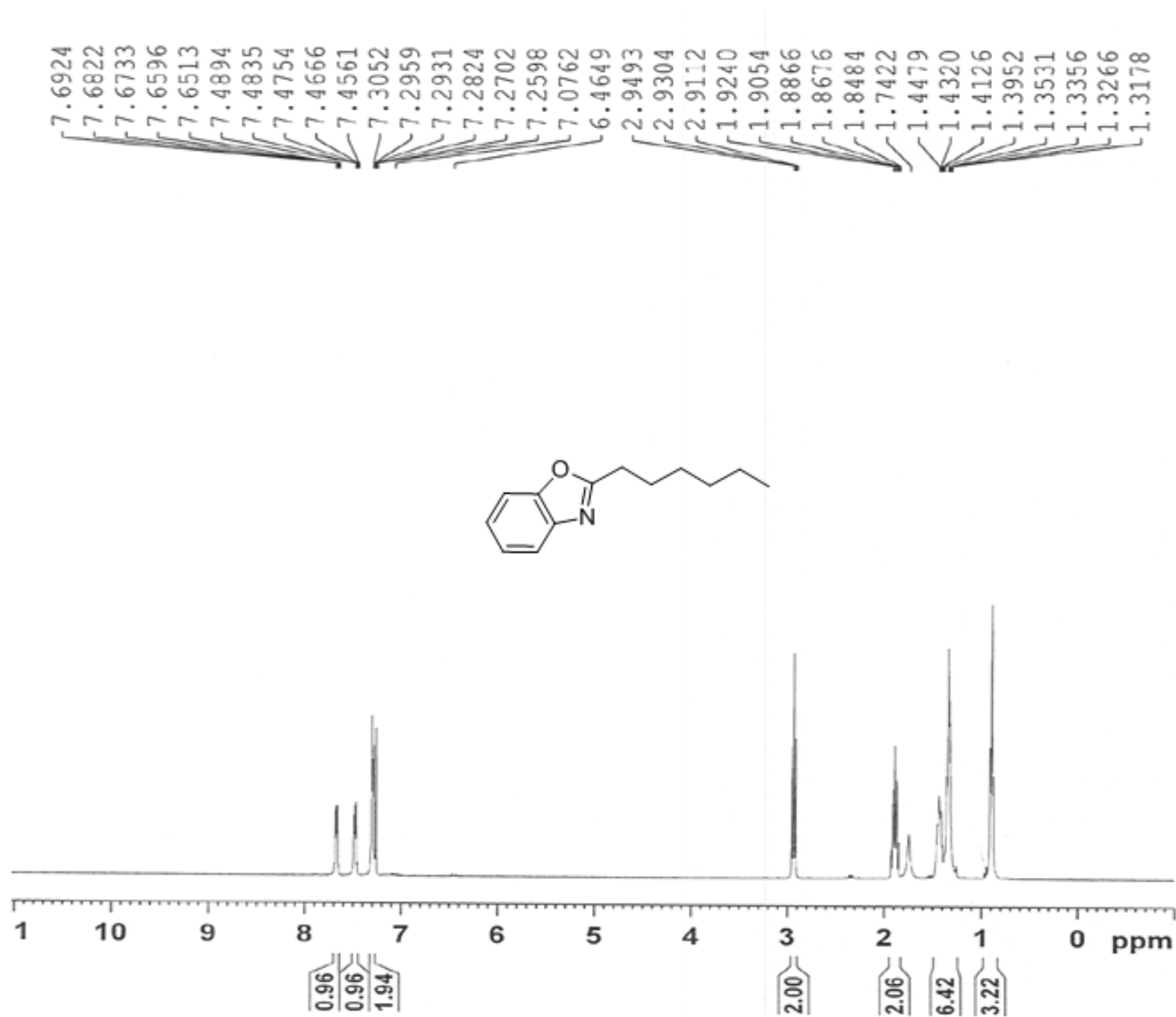
Spectra 26: ¹³C NMR (100 MHz, CDCl₃) of compound **3m**.



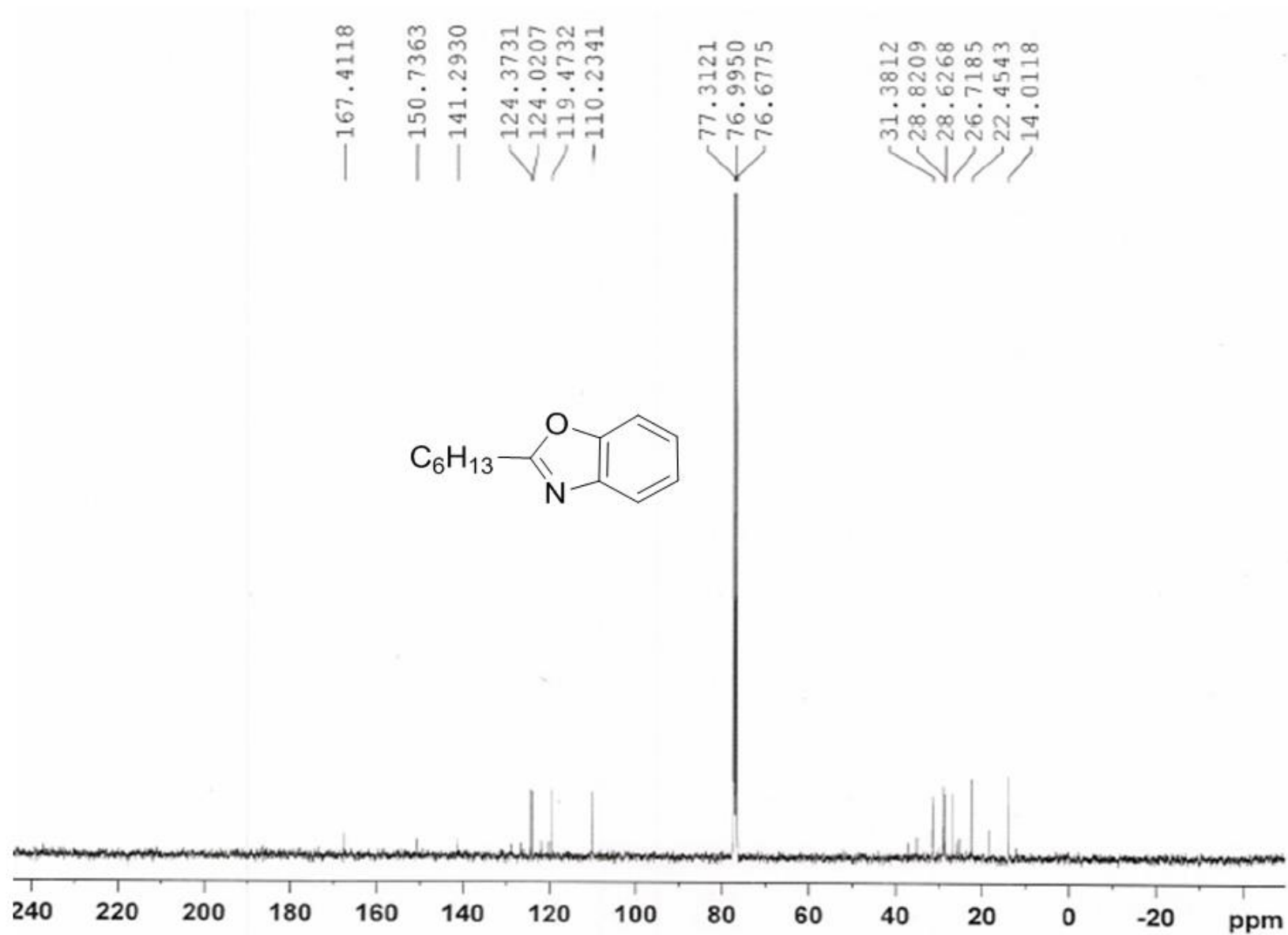
Spectra 27: ^1H NMR (400 MHz, CDCl_3) of compound **3n**.

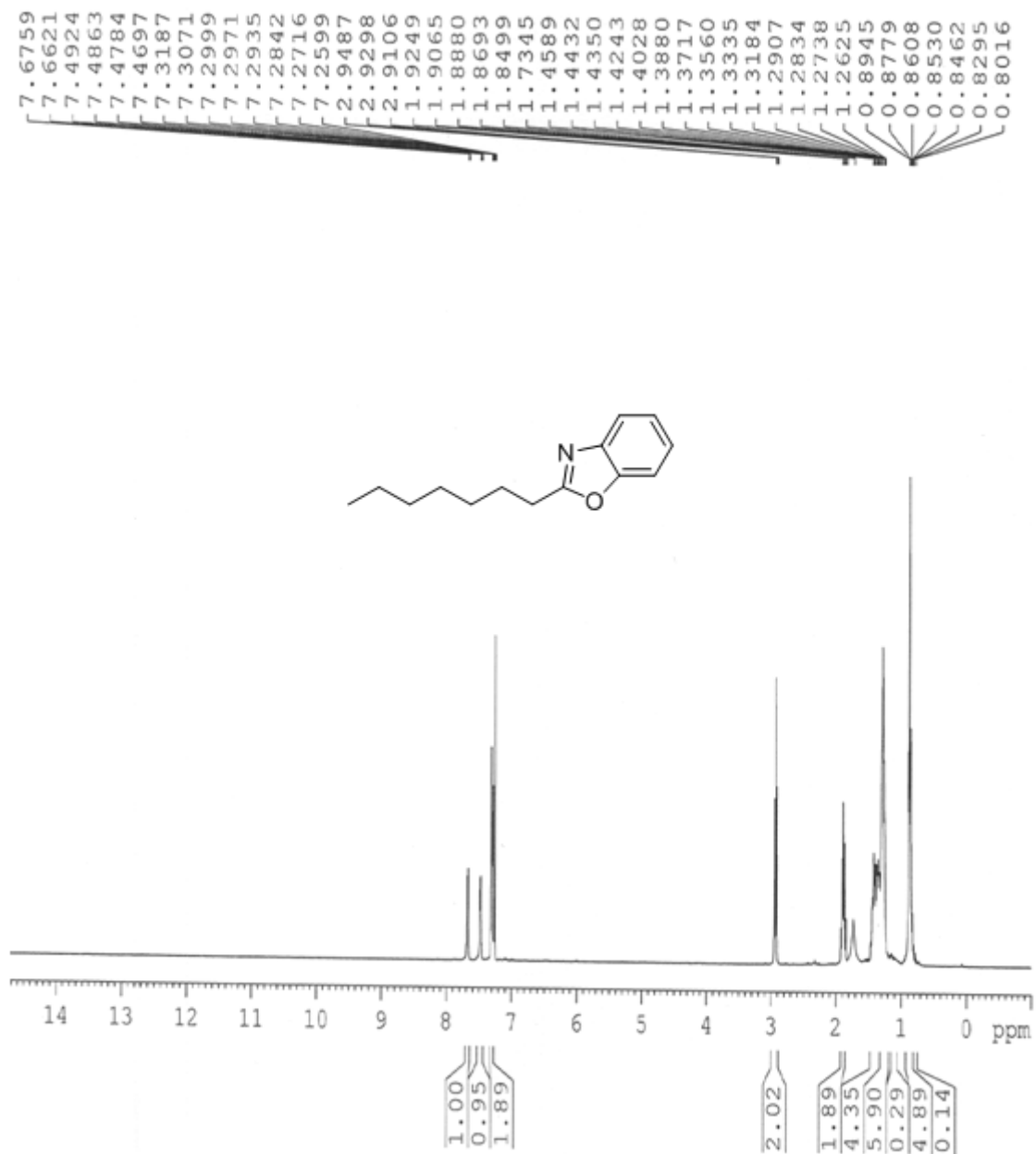


Spectra 28: ^{13}C NMR (100 MHz, CDCl_3) of compound **3n**.

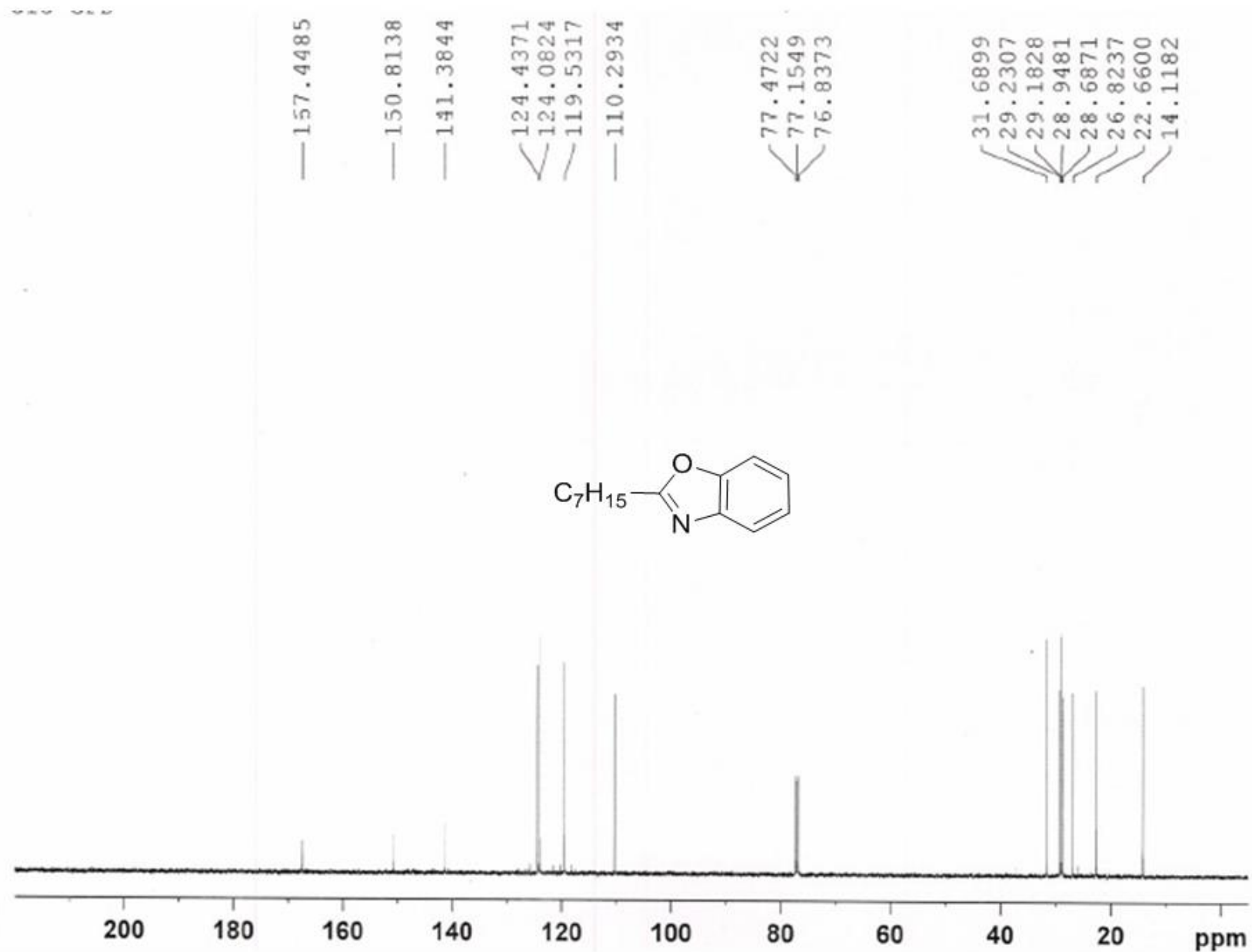


Spectra 29: ^{13}C NMR (100 MHz, CDCl_3) of compound **3o**.

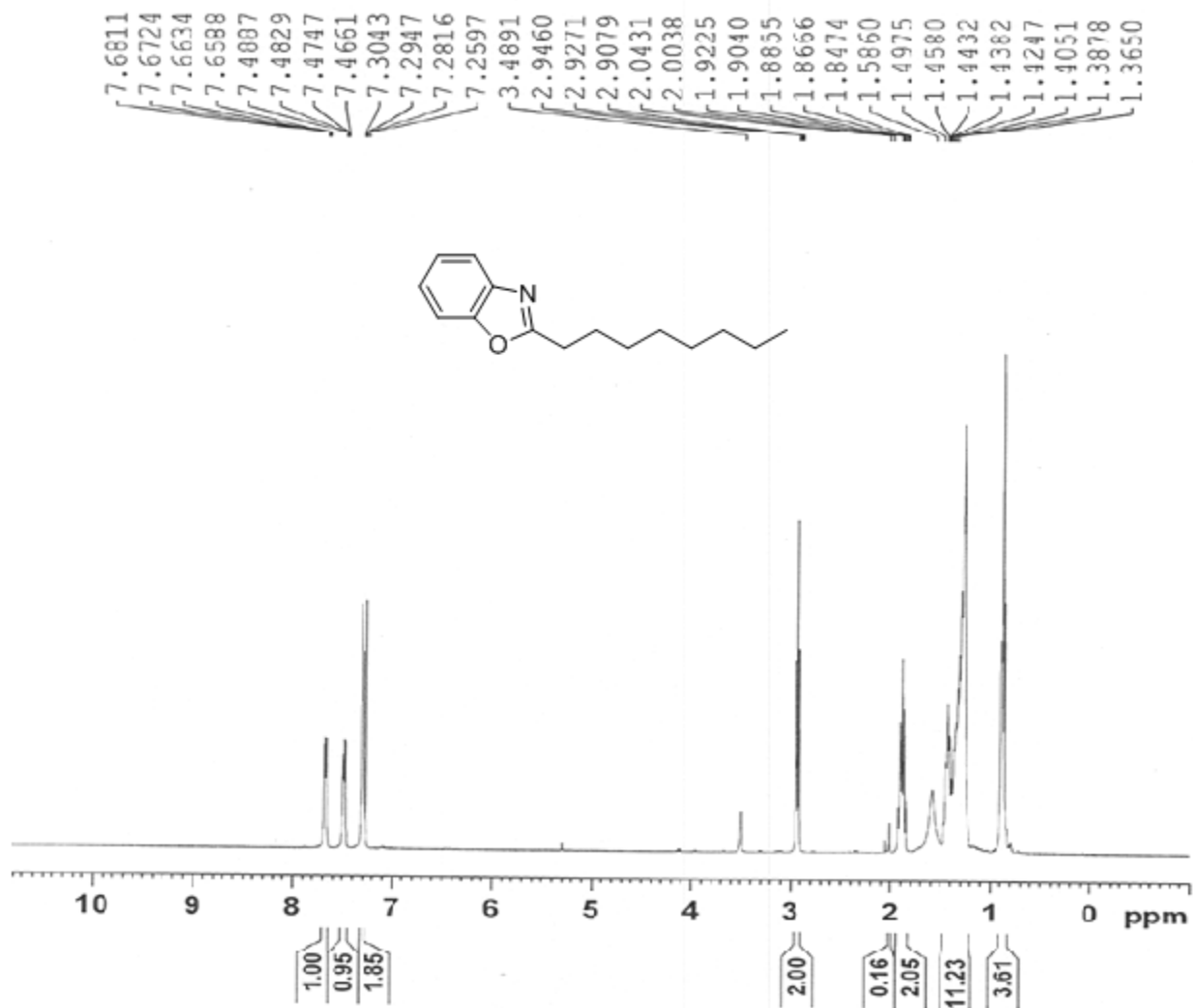
Spectra **30**: ^{13}C NMR (100 MHz, CDCl_3) of compound **30**.



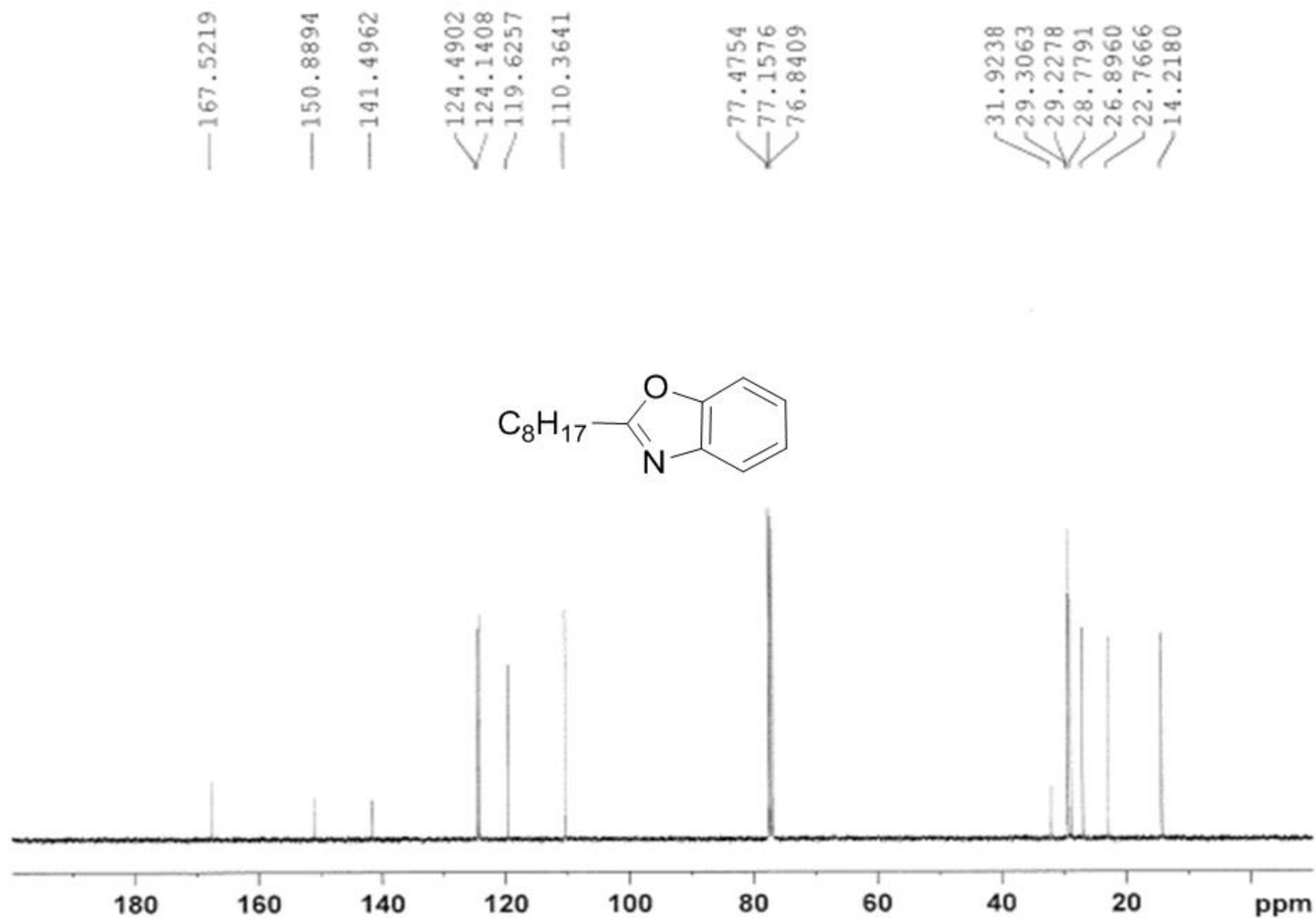
Spectra 31: ^1H NMR (400 MHz, CDCl_3) of compound **3p**.



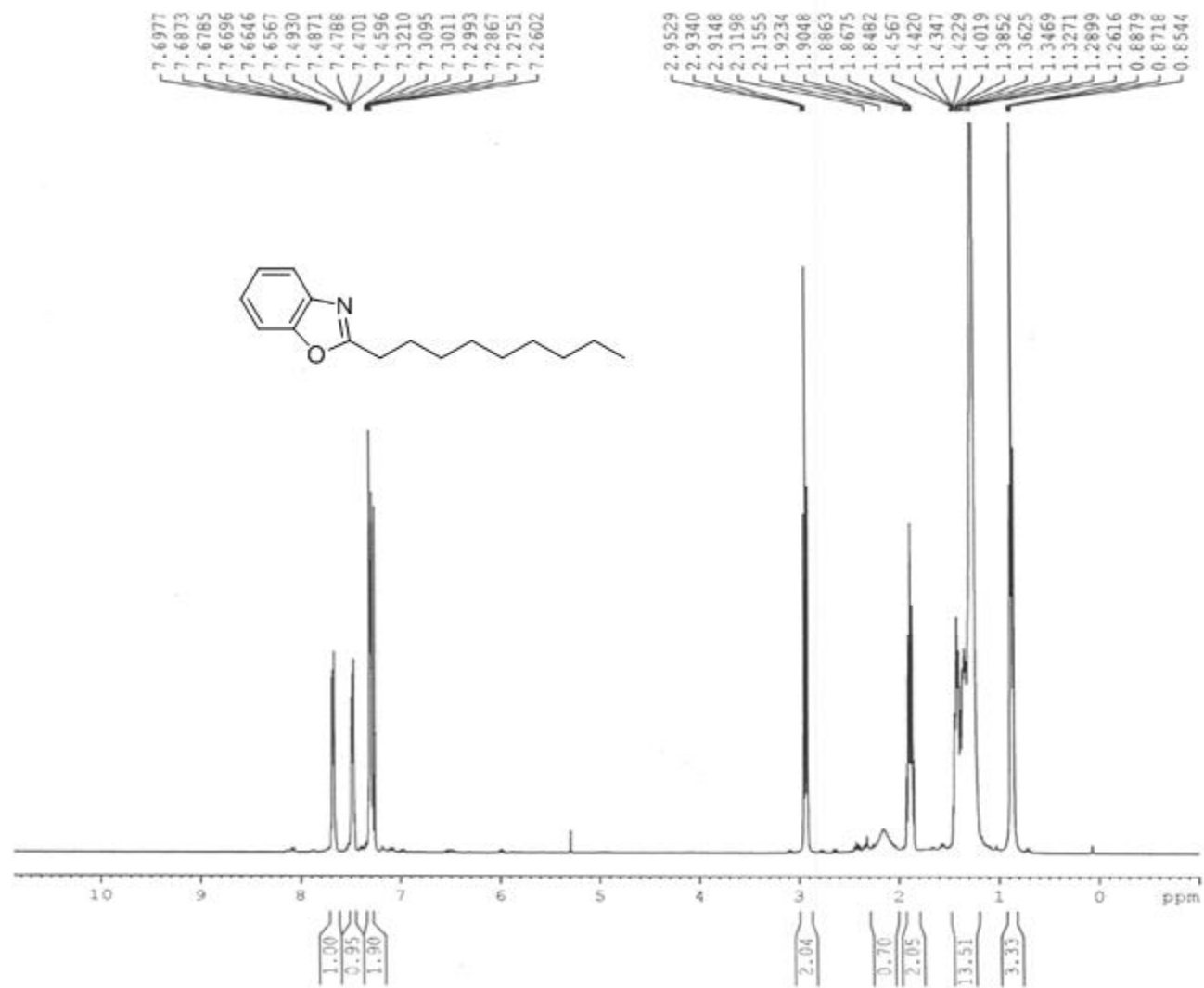
Spectra 32: ^{13}C NMR (100 MHz, CDCl_3) of compound **3p**.



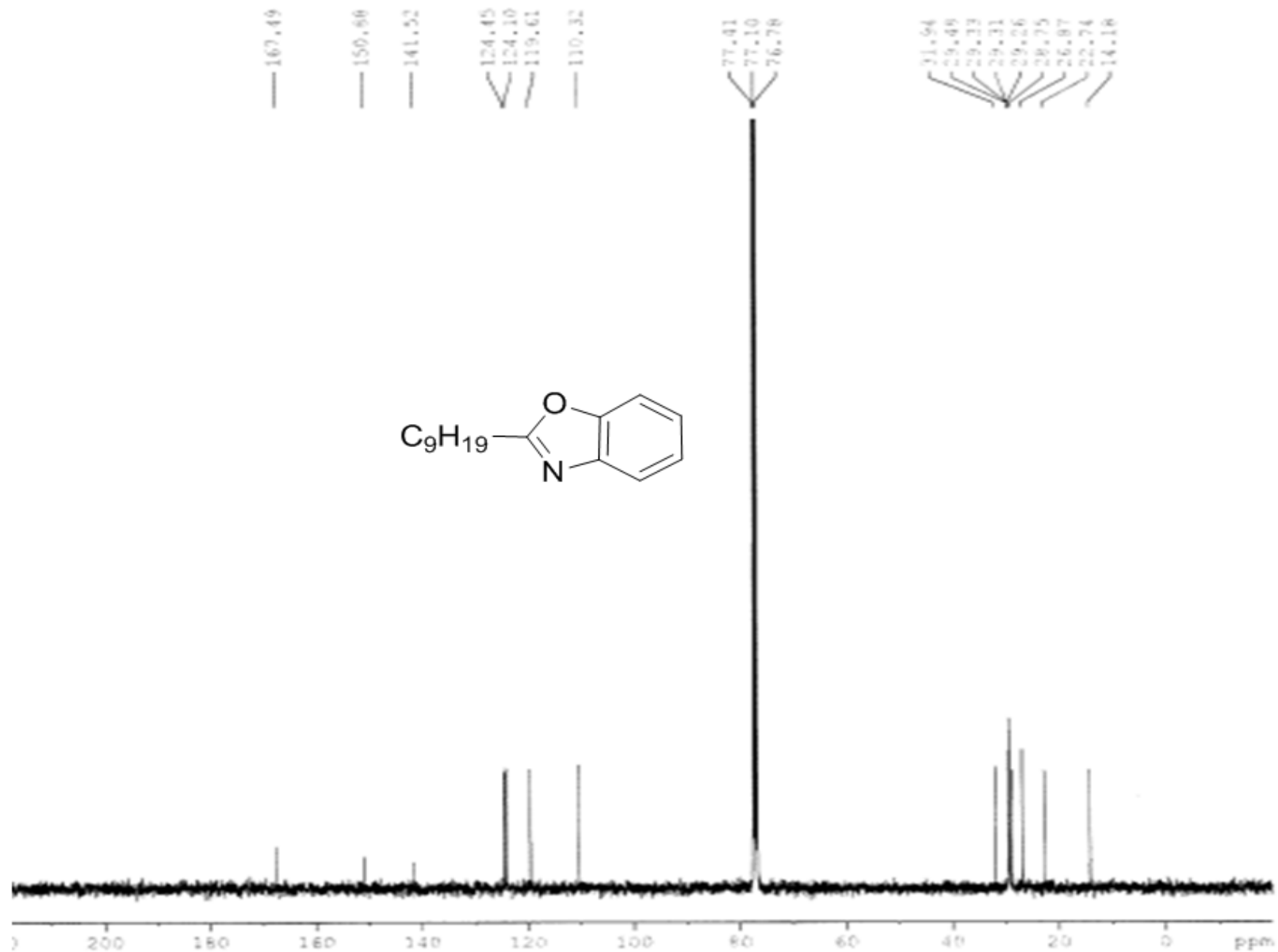
Spectra 33: ^{13}C NMR (100 MHz, CDCl_3) of compound **3q**.



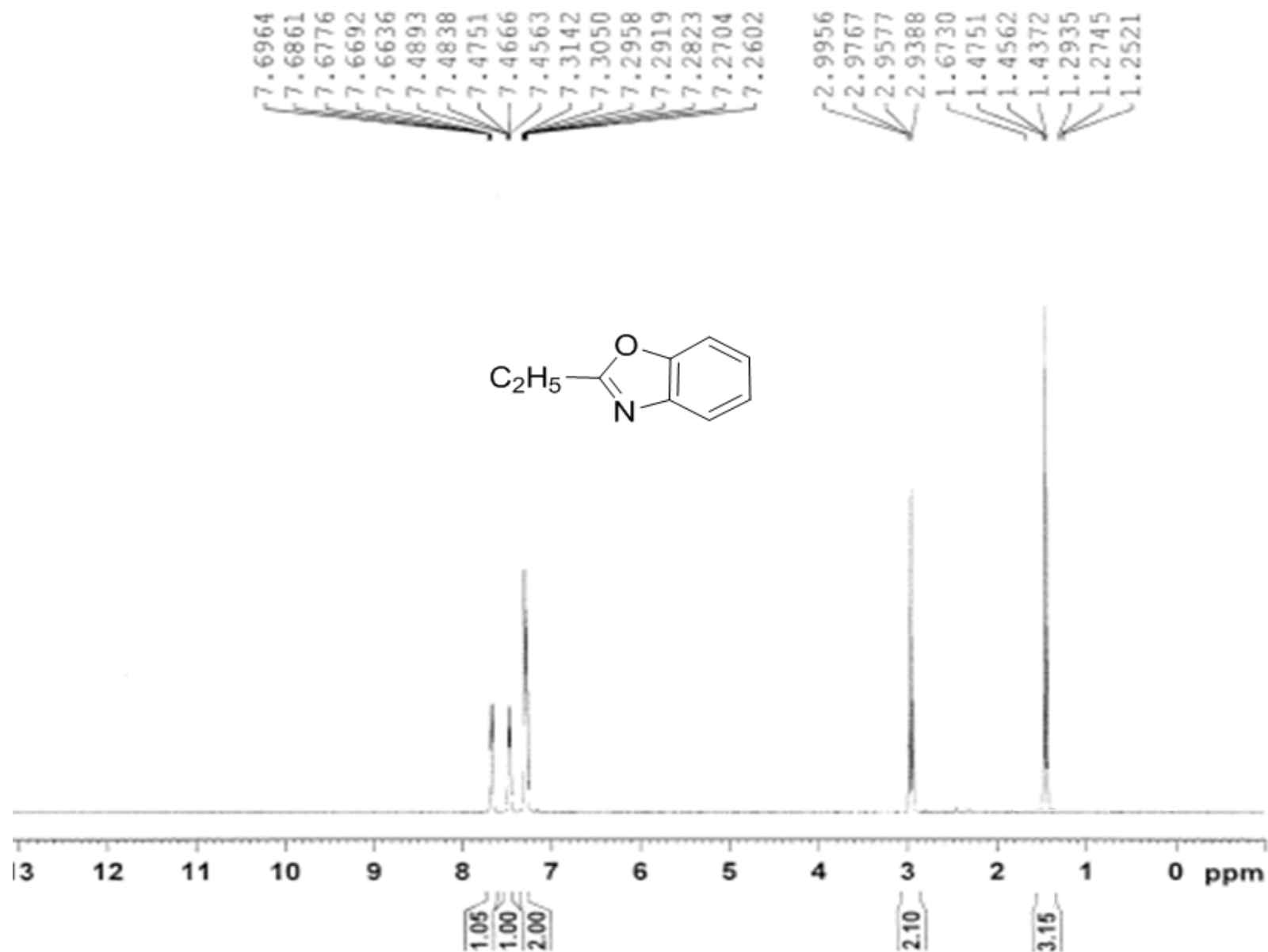
Spectra 34: ^{13}C NMR (100 MHz, CDCl_3) of compound **3q**.

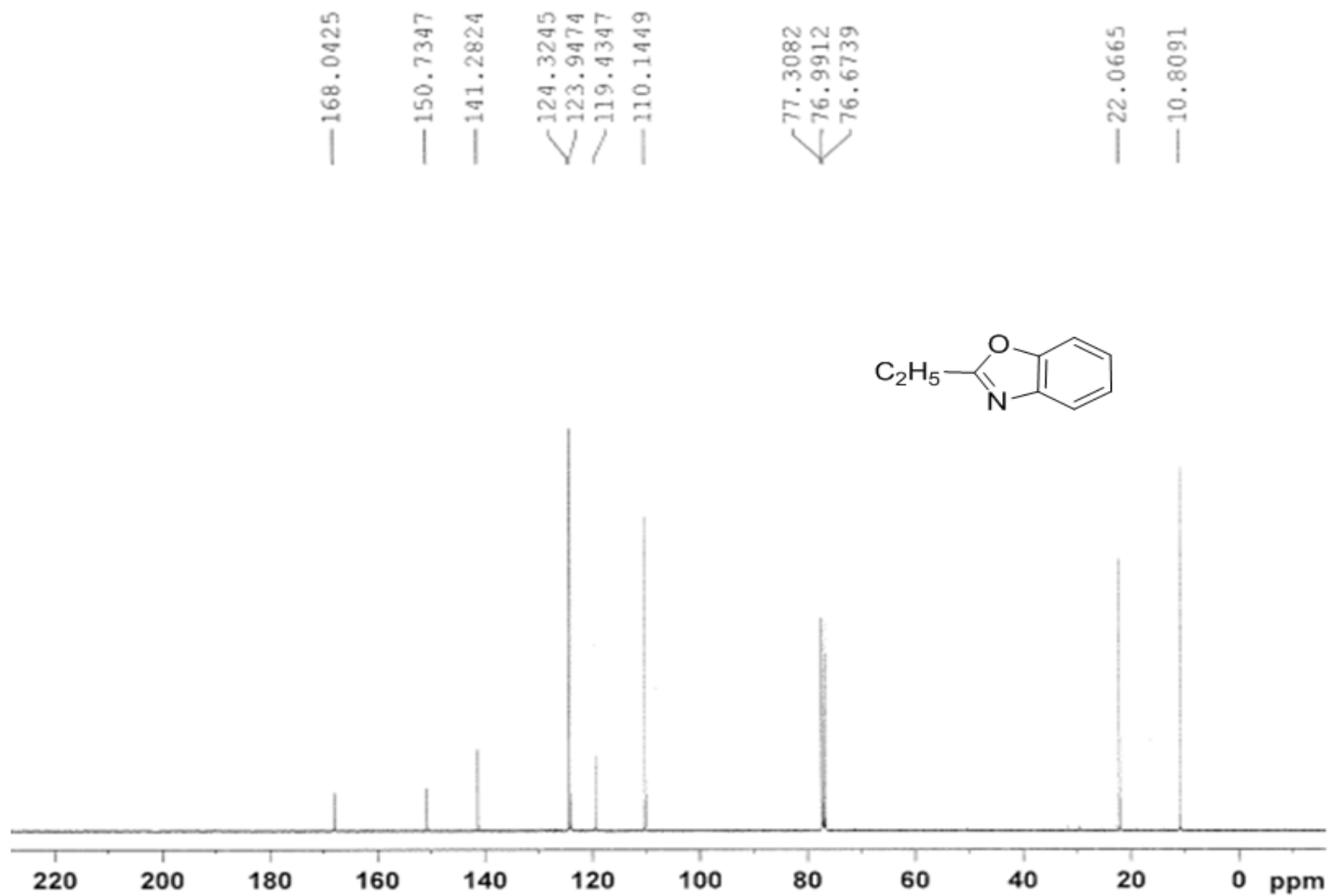


Spectra 35: ¹H NMR (400 MHz, CDCl₃) of compound 3r.



Spectra 36: ^{13}C NMR (100 MHz, CDCl_3) of compound **3r**.

Spectra 37: ¹H NMR (400 MHz, CDCl₃) of compound 3s.



Spectra 38: ^{13}C NMR (100 MHz, CDCl_3) of compound 3s.