

Supplementary Materials

Figure S1. FT-IR spectrum of compound 2.

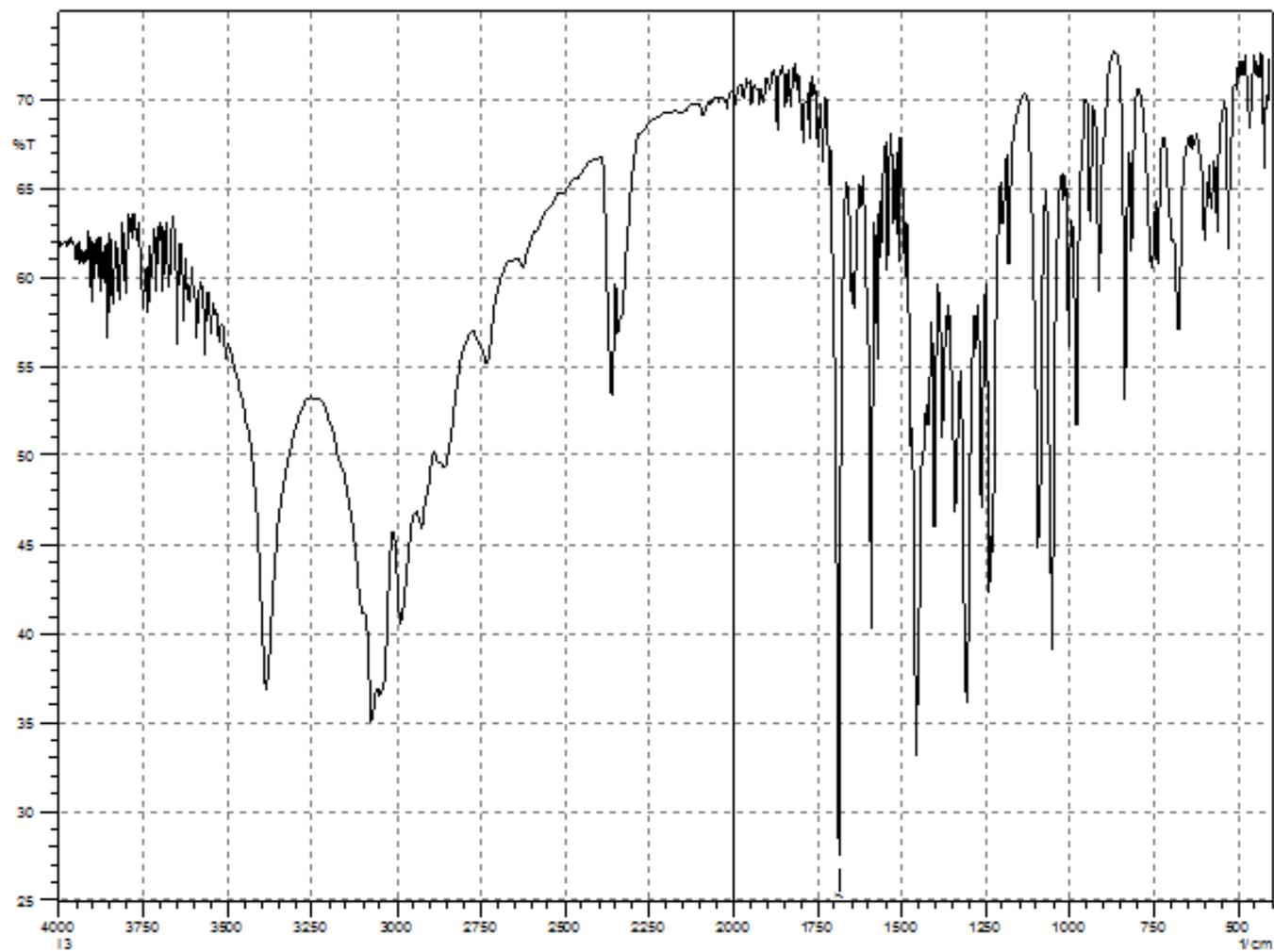


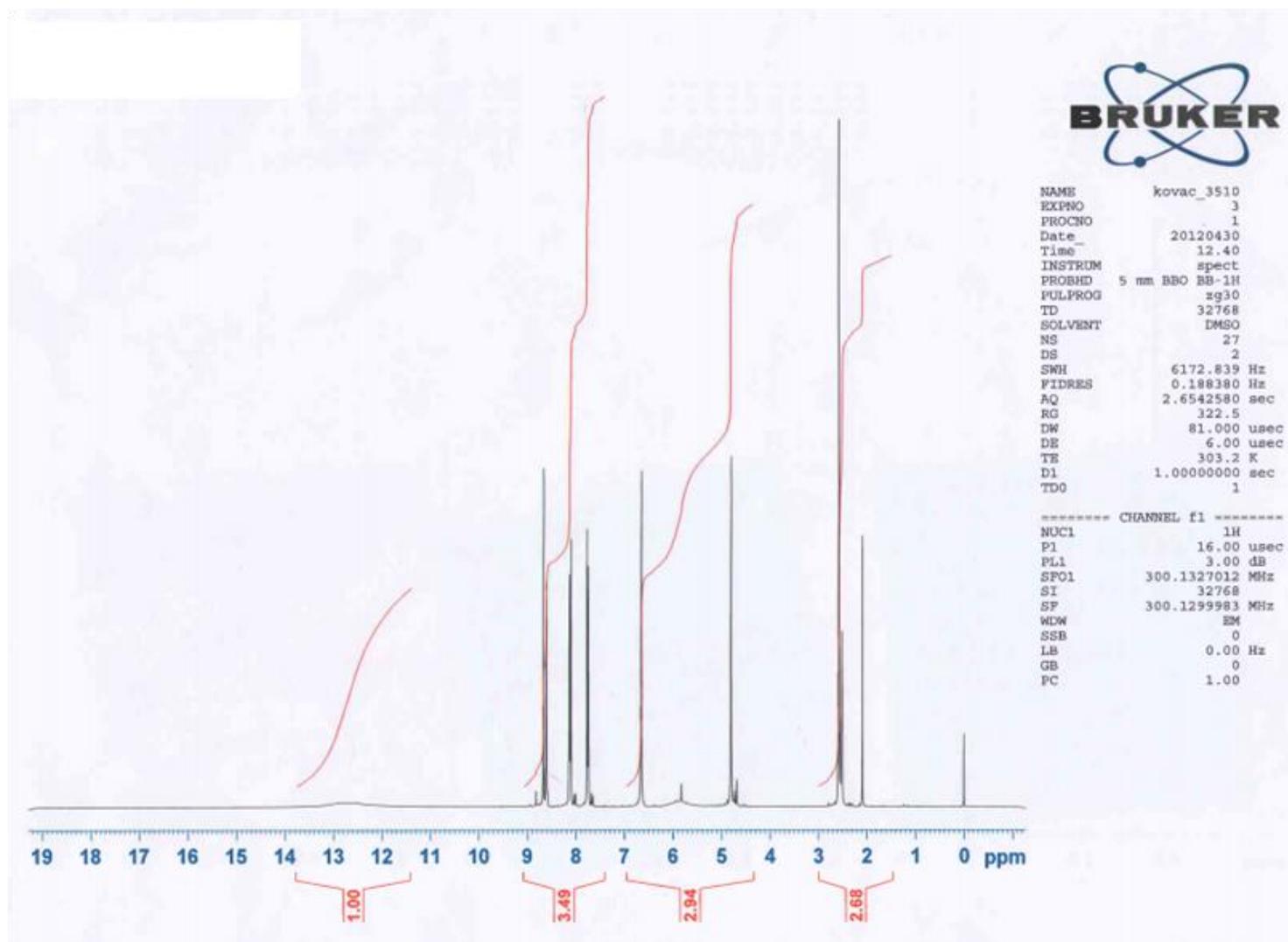
Figure S2. ^1H -NMR spectrum of compound **2** in DMSO- d_6 solution.

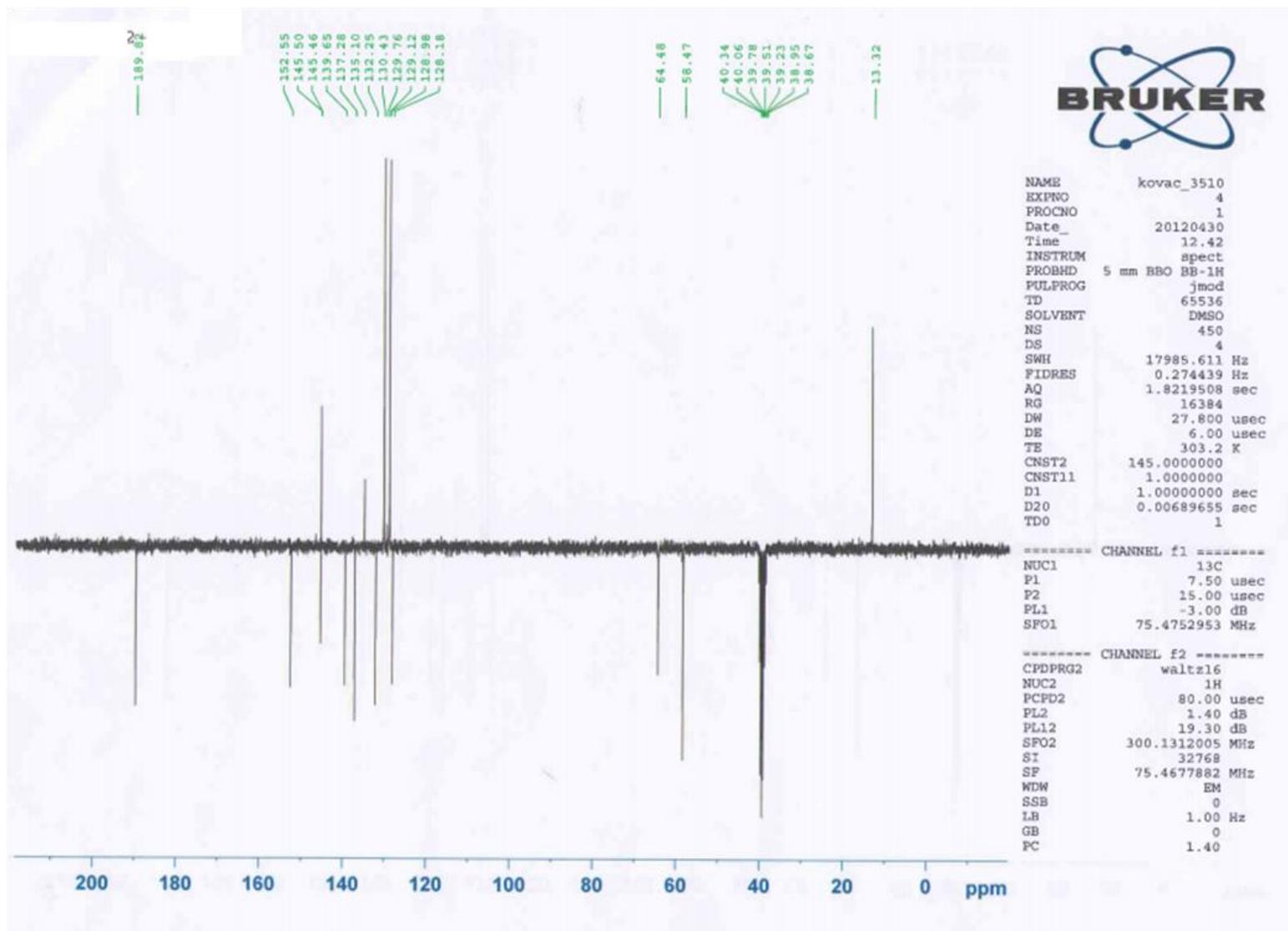
Figure S3. ^{13}C -NMR spectrum of compound **2** in $\text{DMSO-}d_6$ solution.

Figure S4. FT-IR spectrum of compound 3.

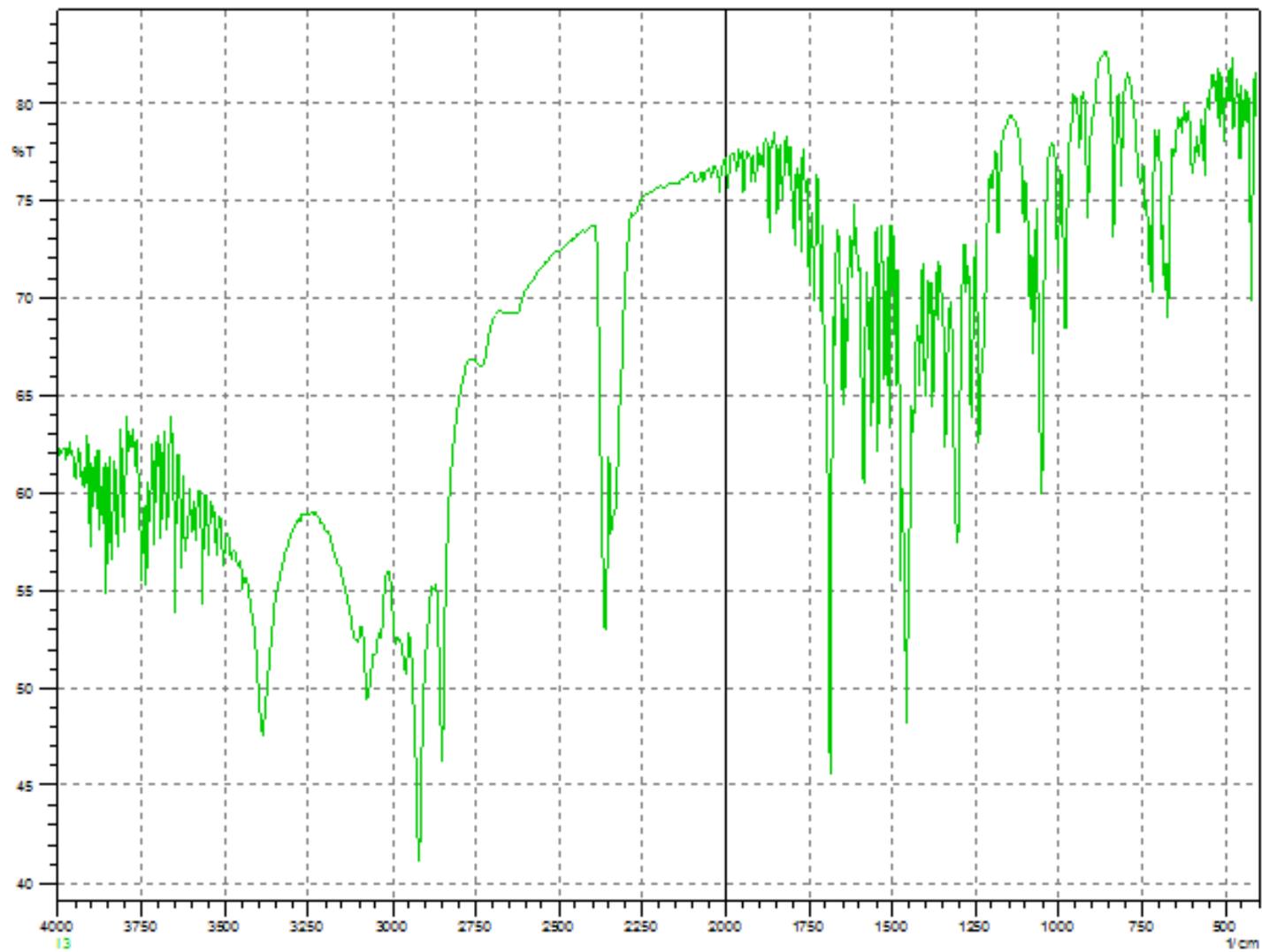


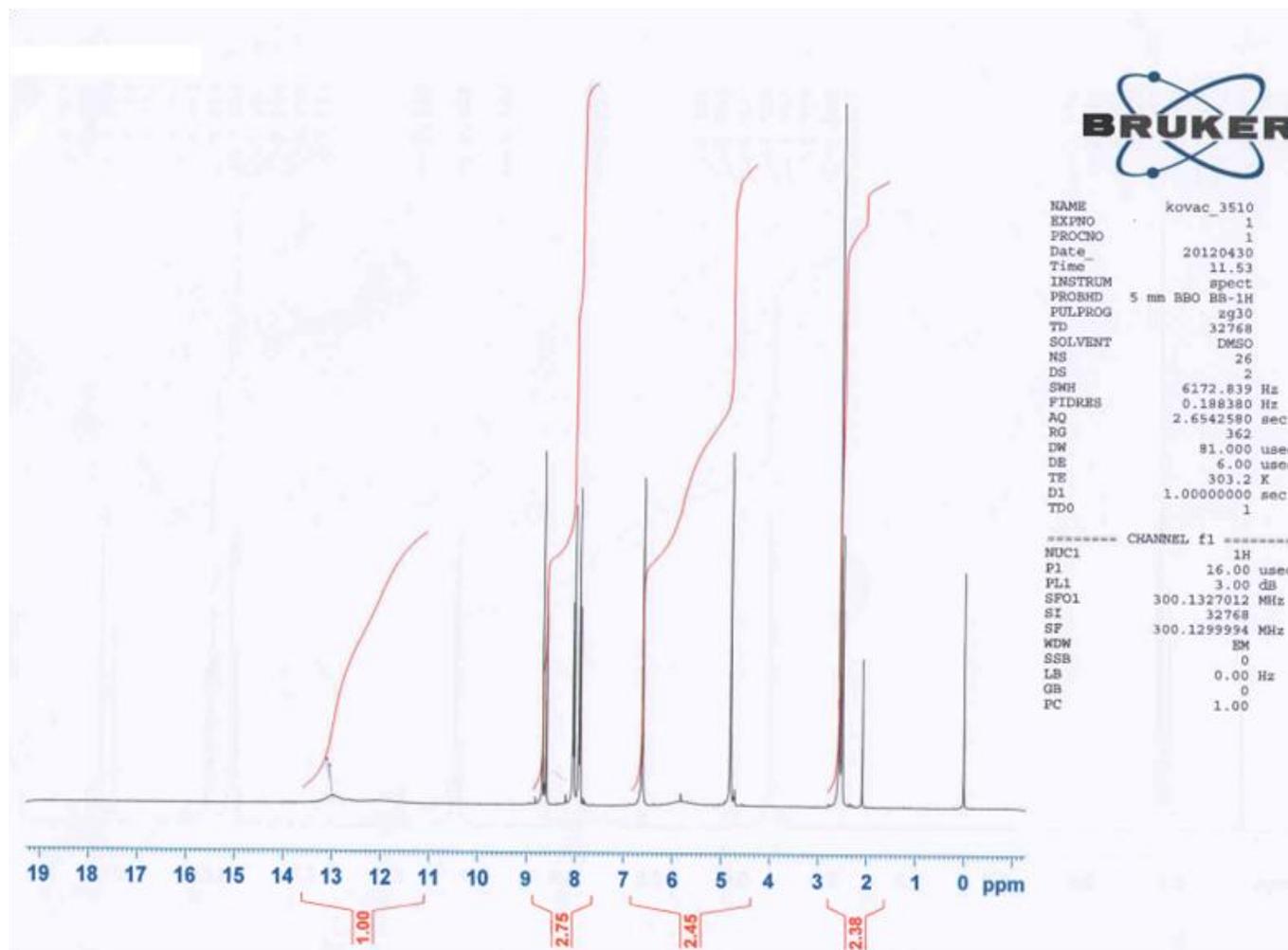
Figure S5. ^1H -NMR spectrum of compound **3** in $\text{DMSO-}d_6$ solution.

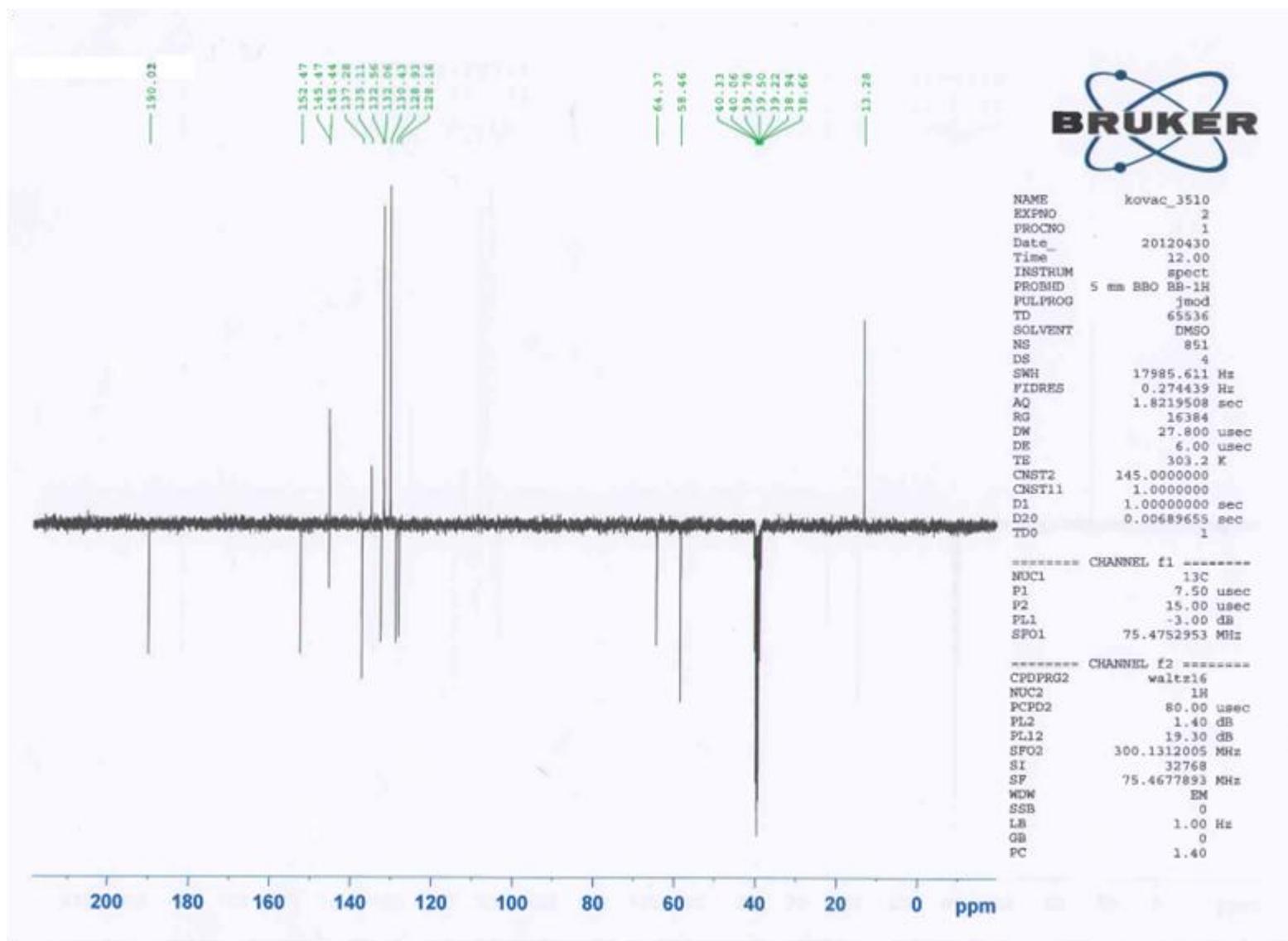
Figure S6. ^{13}C -NMR spectrum of compound **3** in $\text{DMSO}-d_6$ solution.

Figure S7. FT-IR spectrum of compound 4.

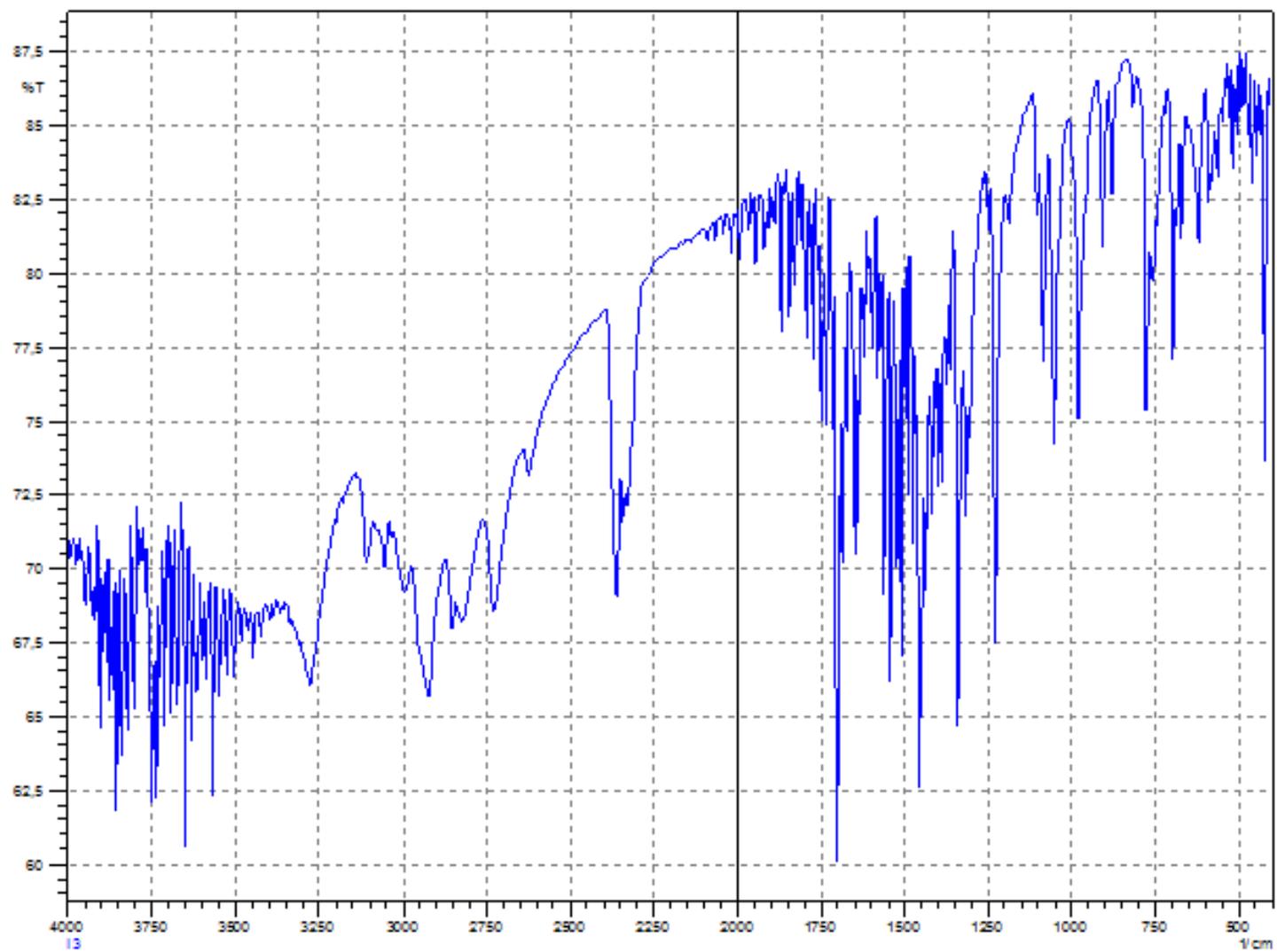


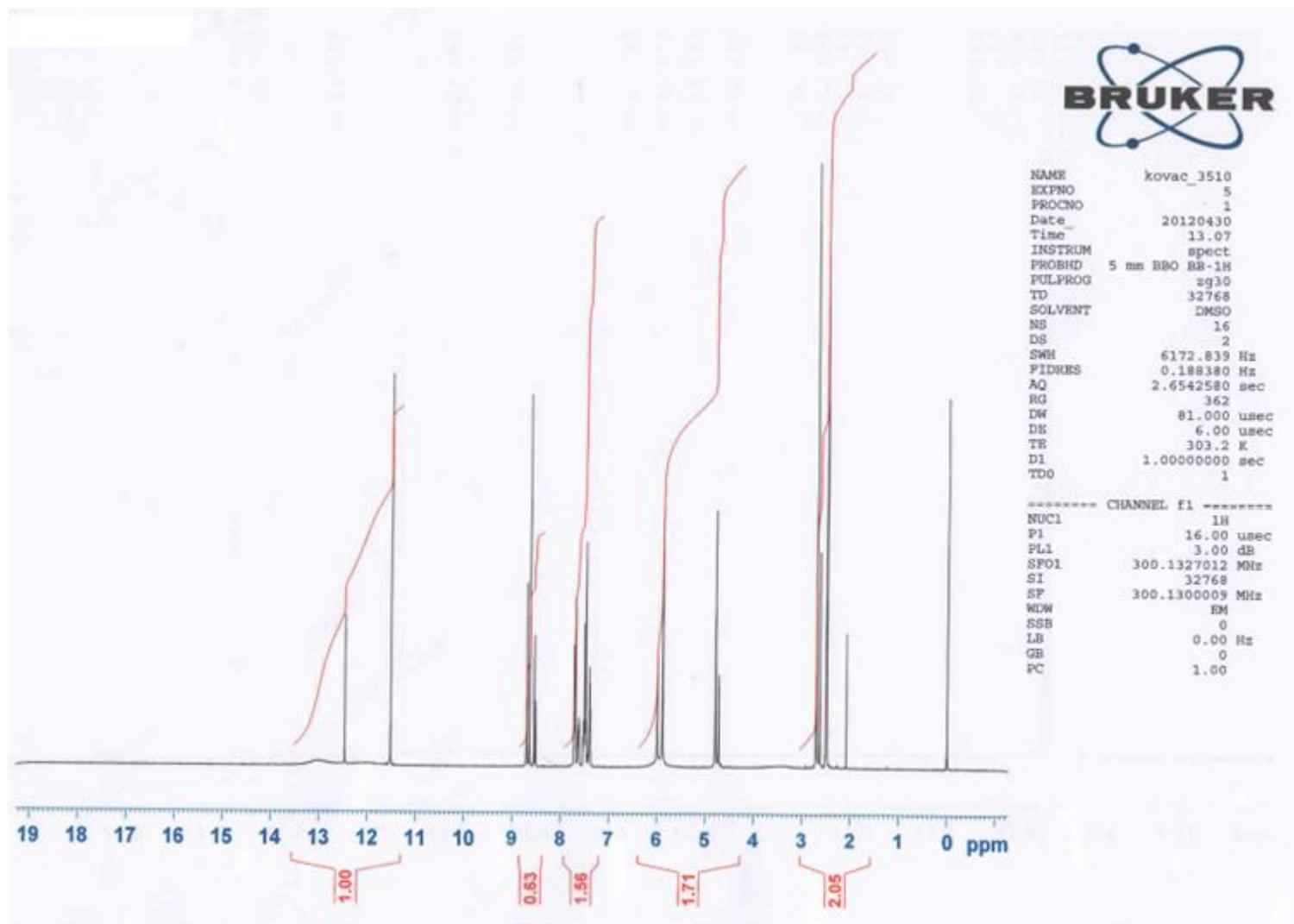
Figure S8. ^1H -NMR spectrum of compound **4** in $\text{DMSO-}d_6$ solution.

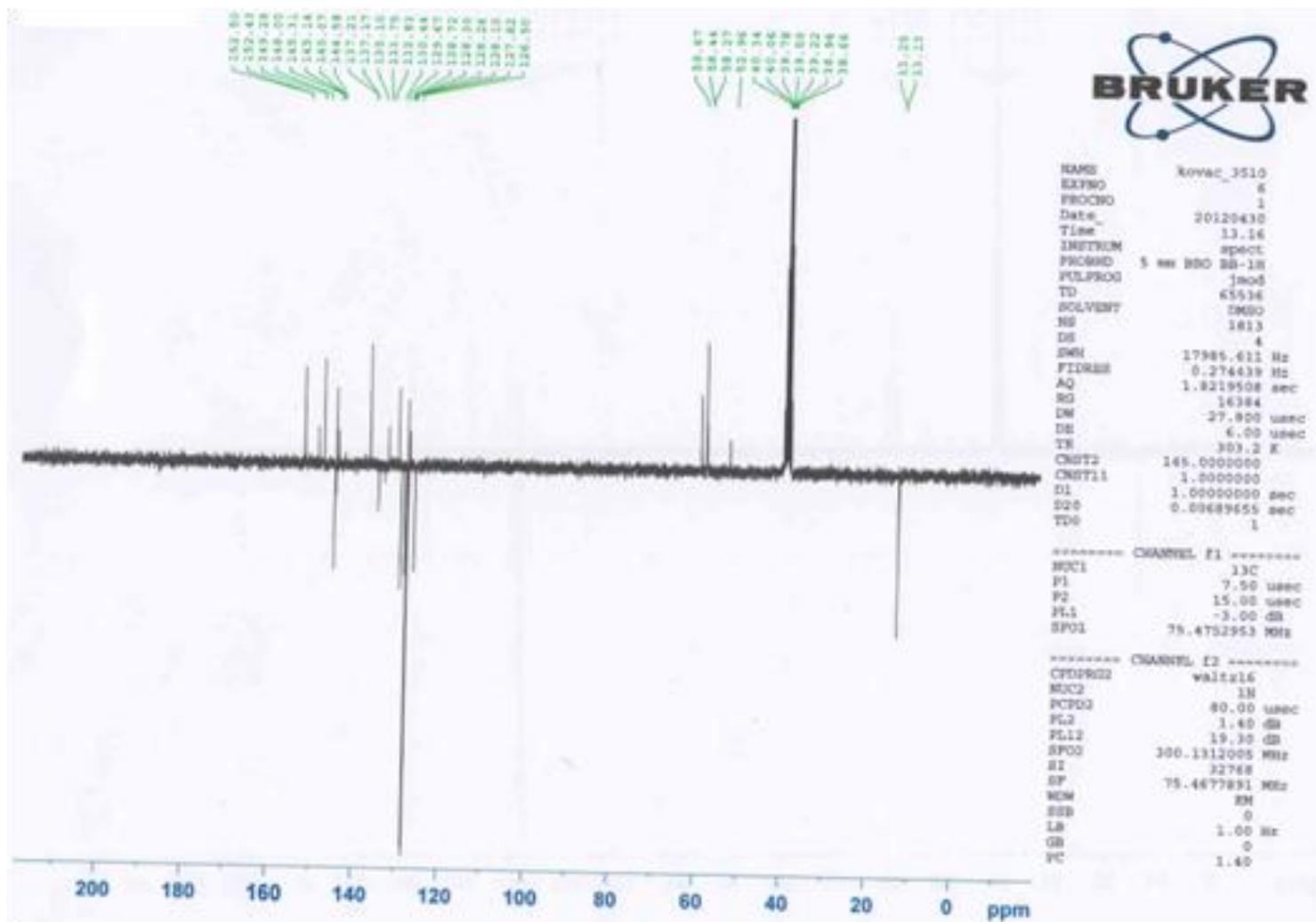
Figure S9. ^{13}C -NMR spectrum of compound 4 in DMSO- d_6 solution.

Figure S10. FT-IR spectrum of compound 5.

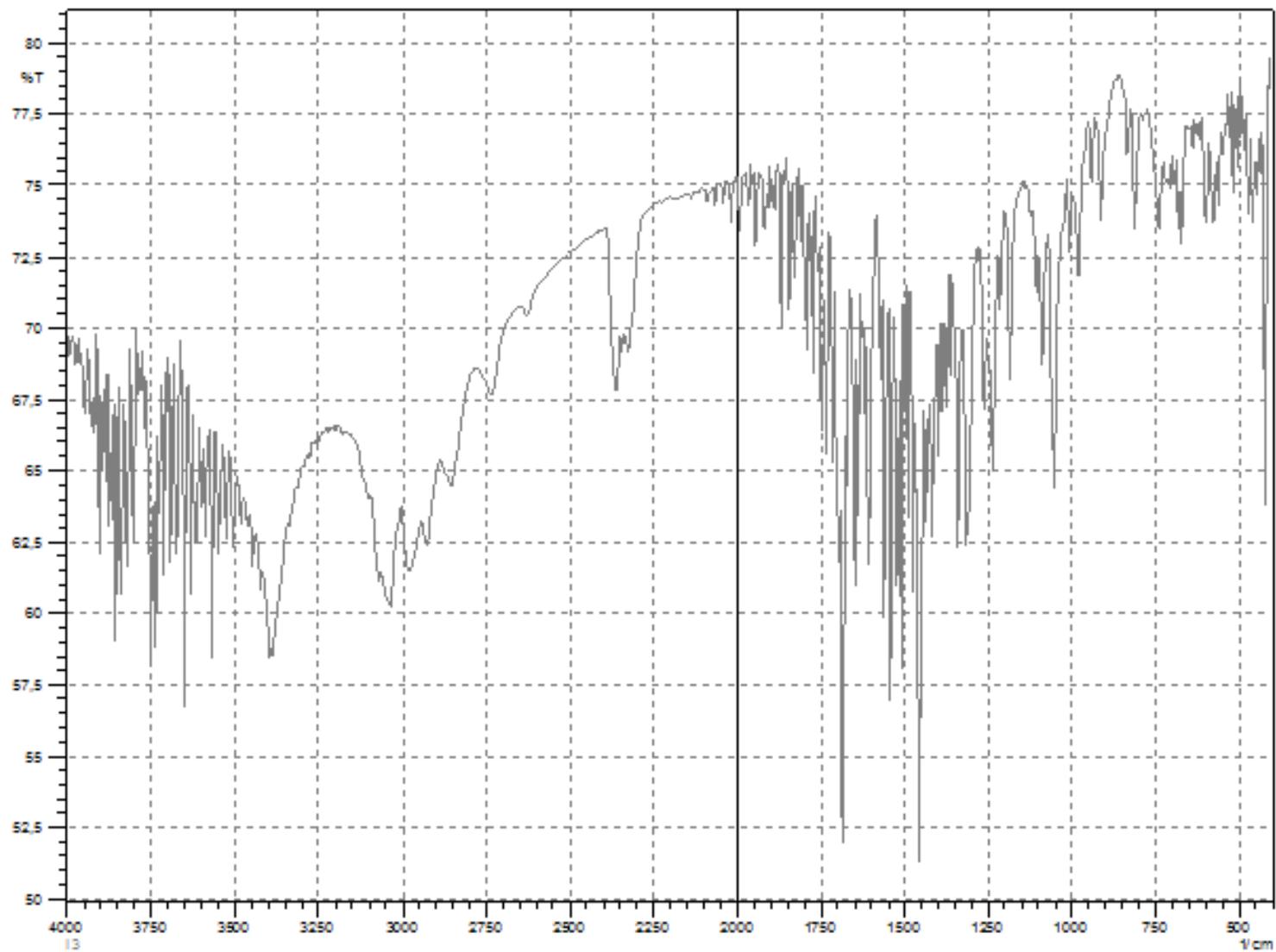


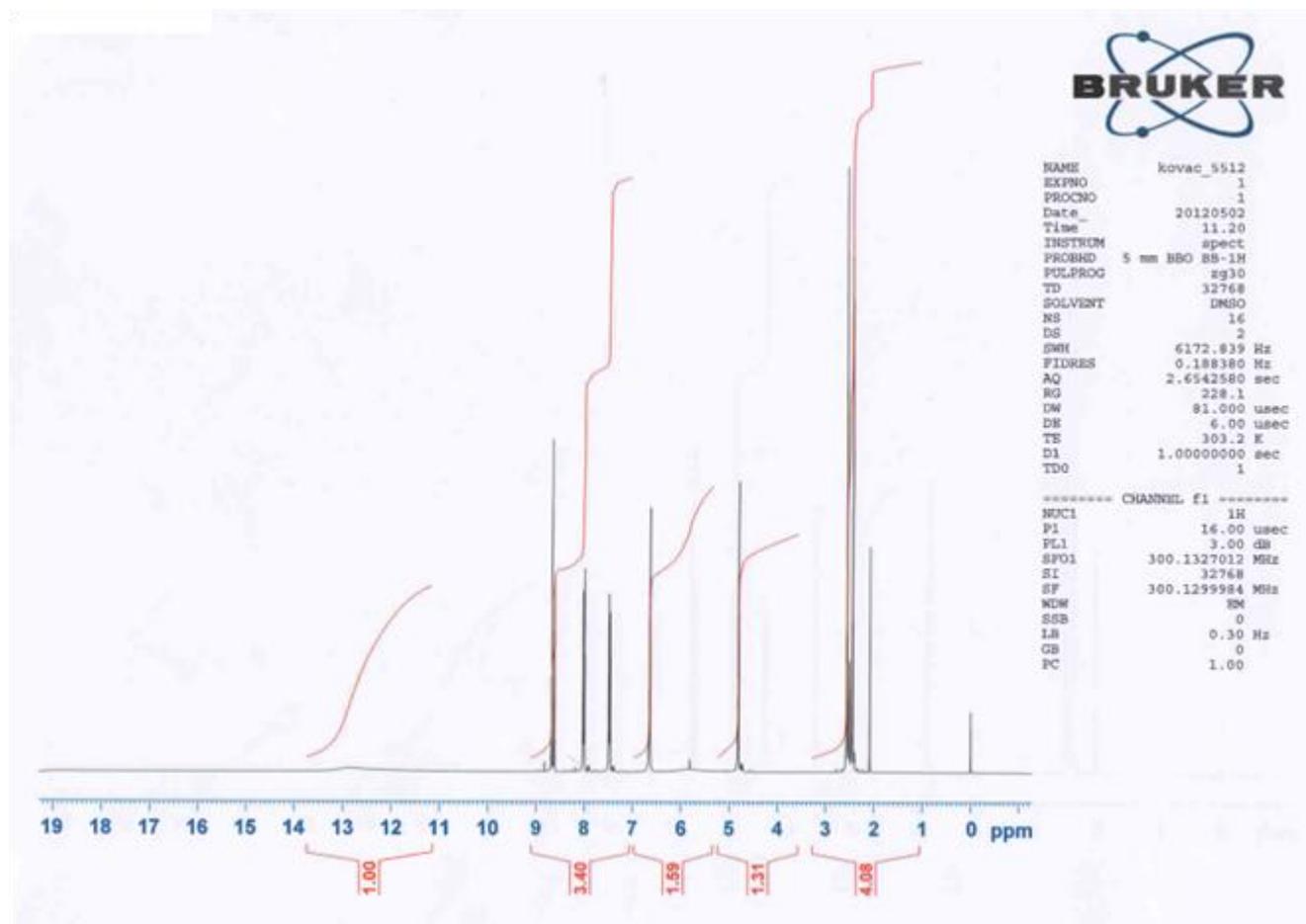
Figure S11. ^1H -NMR spectrum of compound **5** in $\text{DMSO-}d_6$ solution.

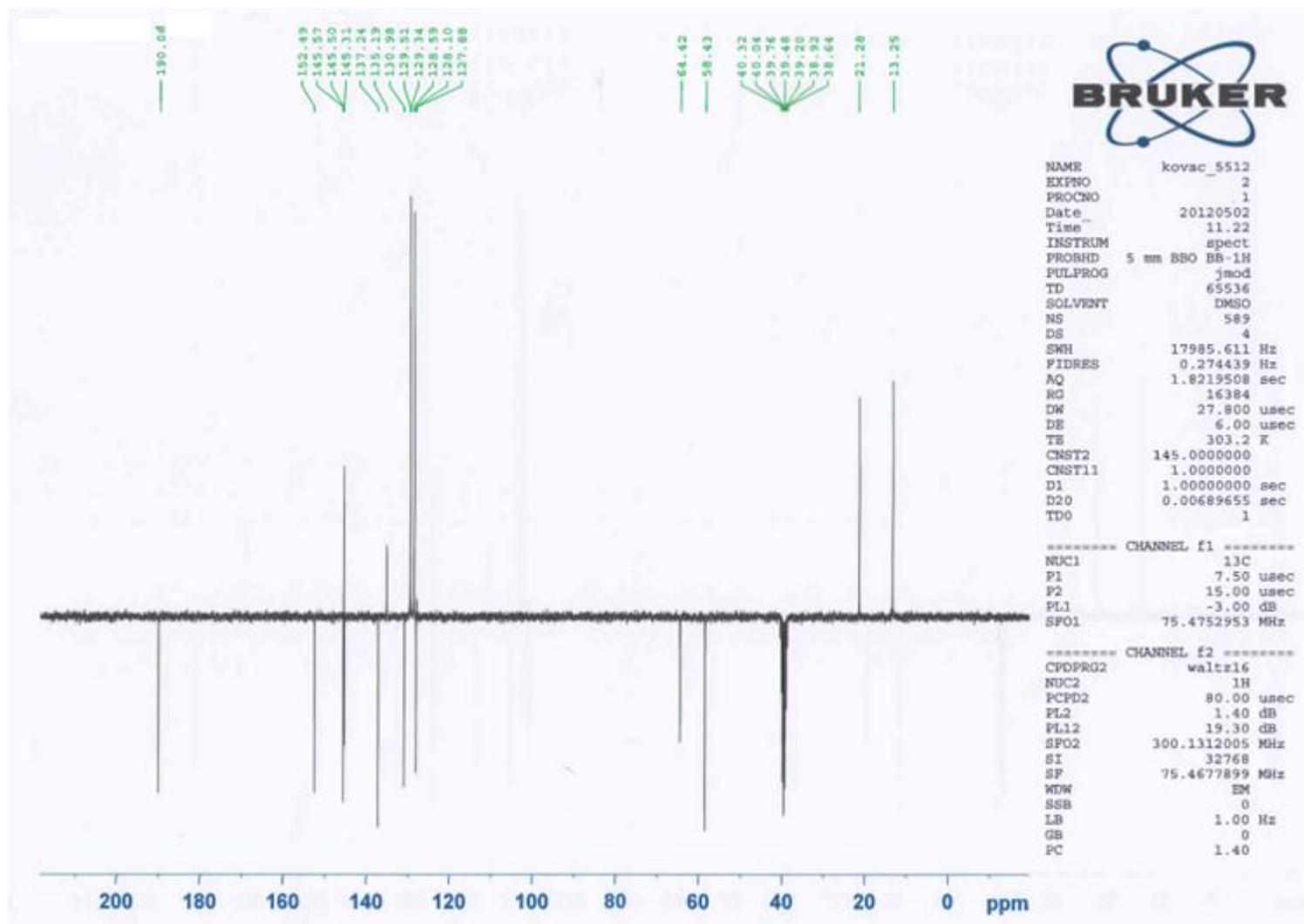
Figure S12. ^{13}C -NMR spectrum of compound **5** in $\text{DMSO-}d_6$ solution.

Figure S13. FT-IR spectrum of compound 6.

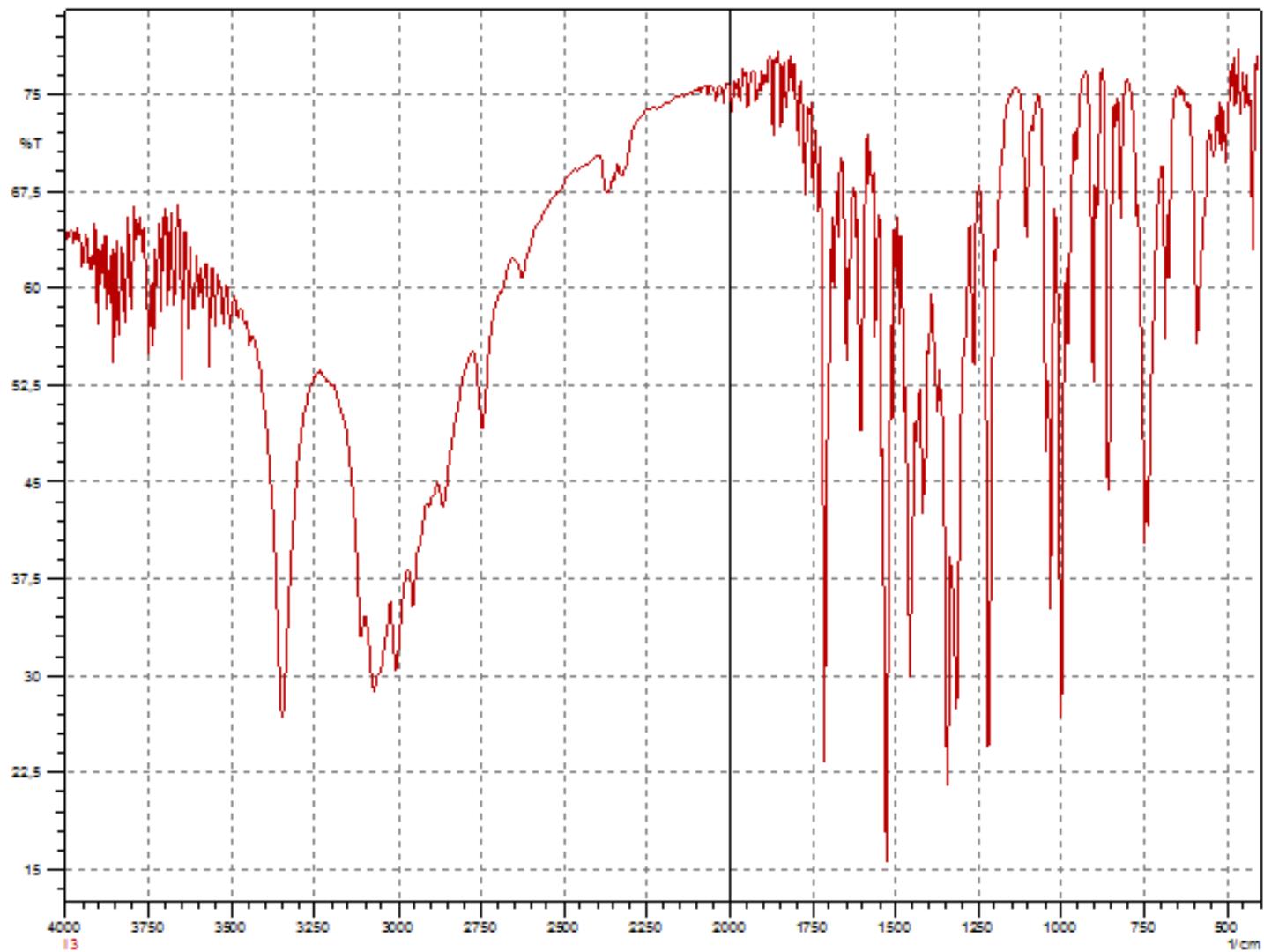


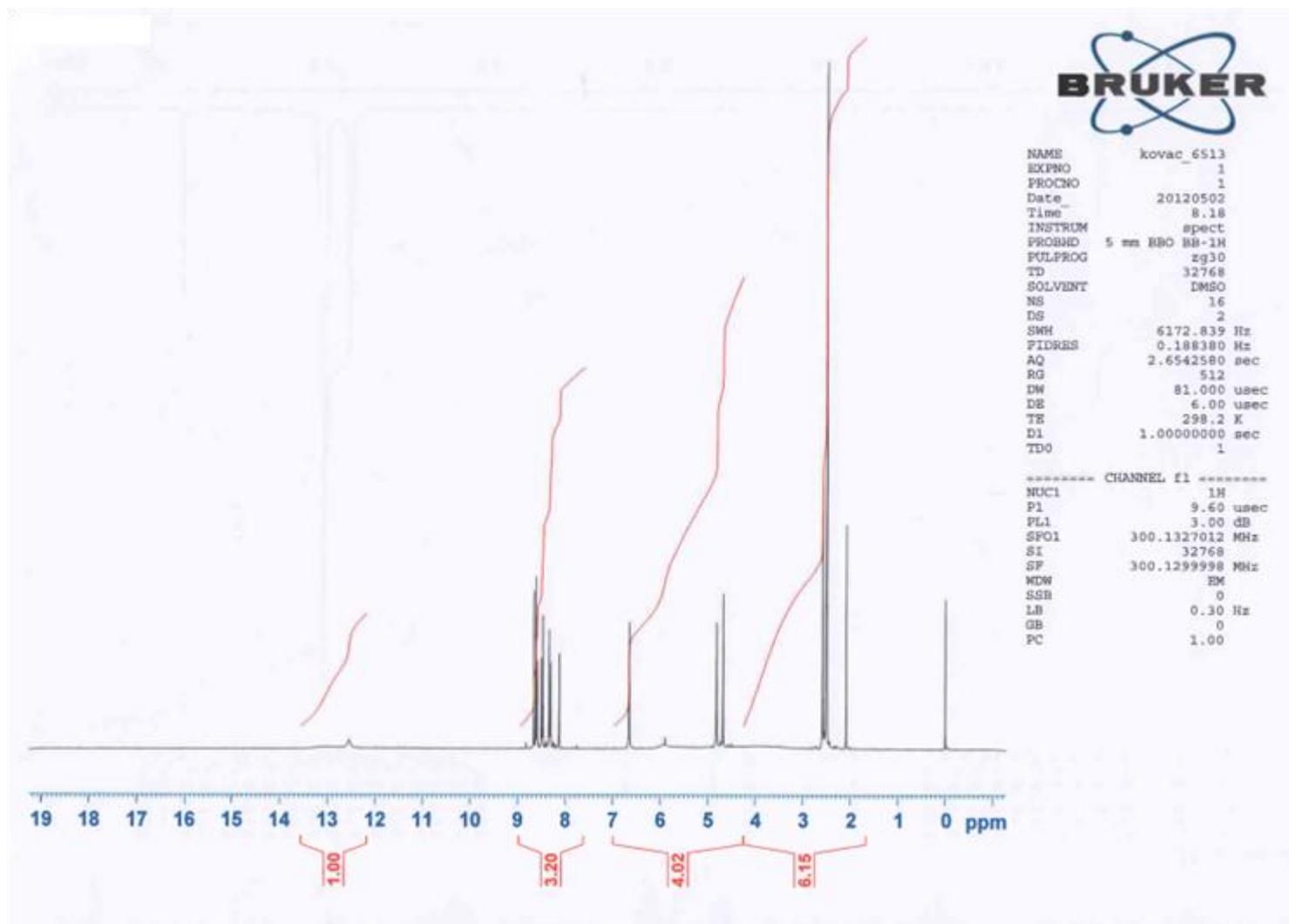
Figure S14. ^1H -NMR spectrum of compound **6** in $\text{DMSO-}d_6$ solution.

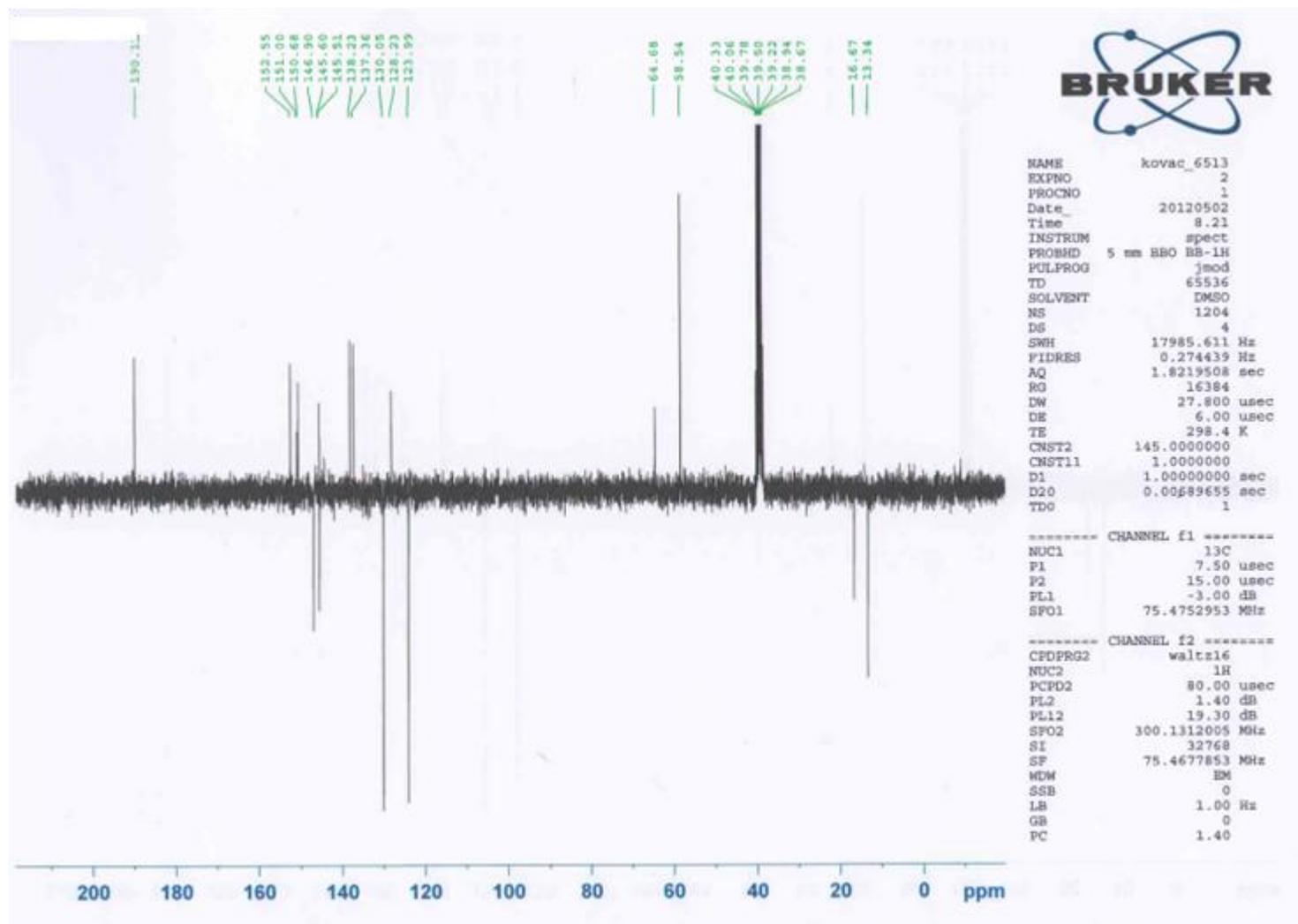
Figure S15. ^{13}C -NMR spectrum of compound **6** in $\text{DMSO-}d_6$ solution.

Figure S16. FT-IR spectrum of compound 7.

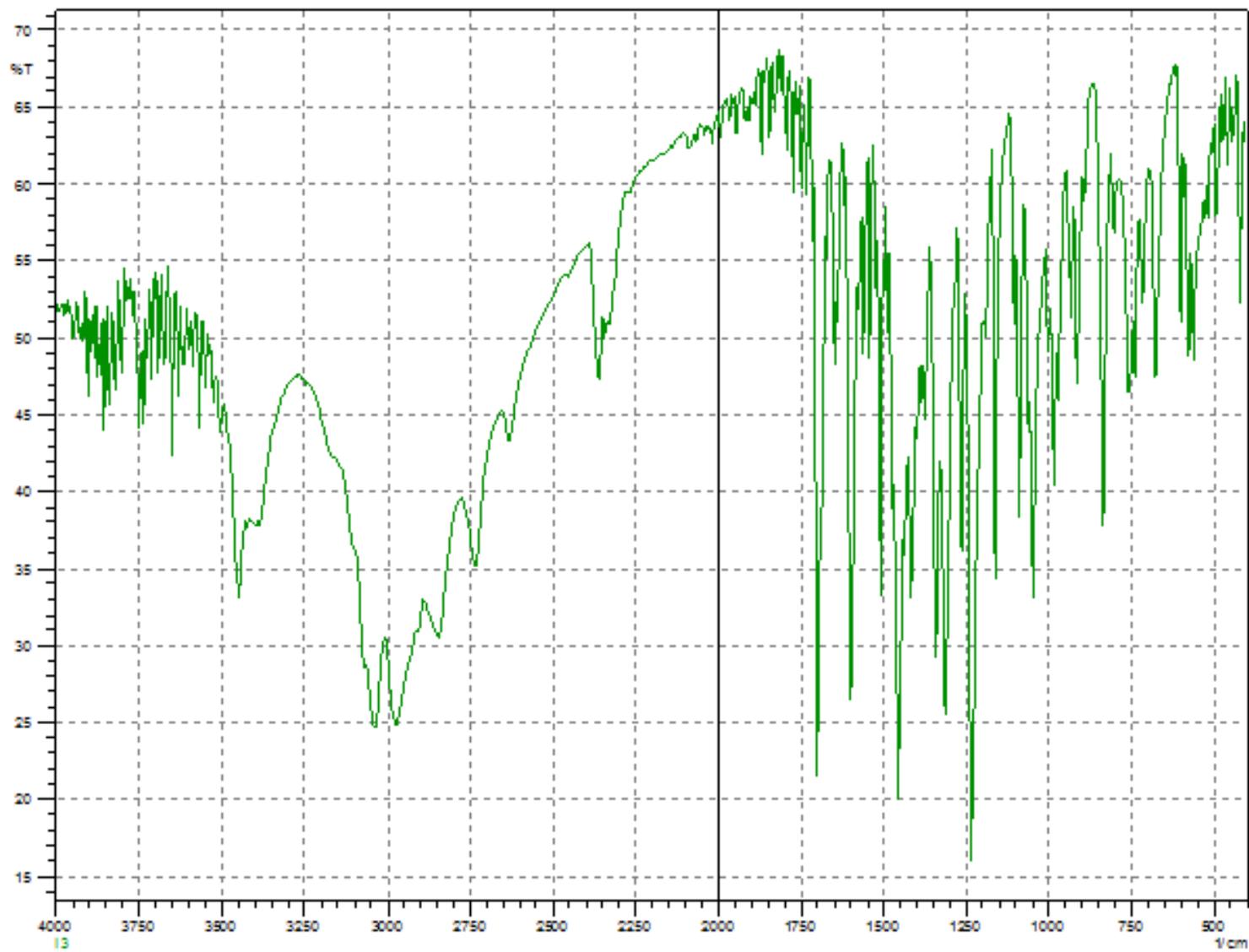


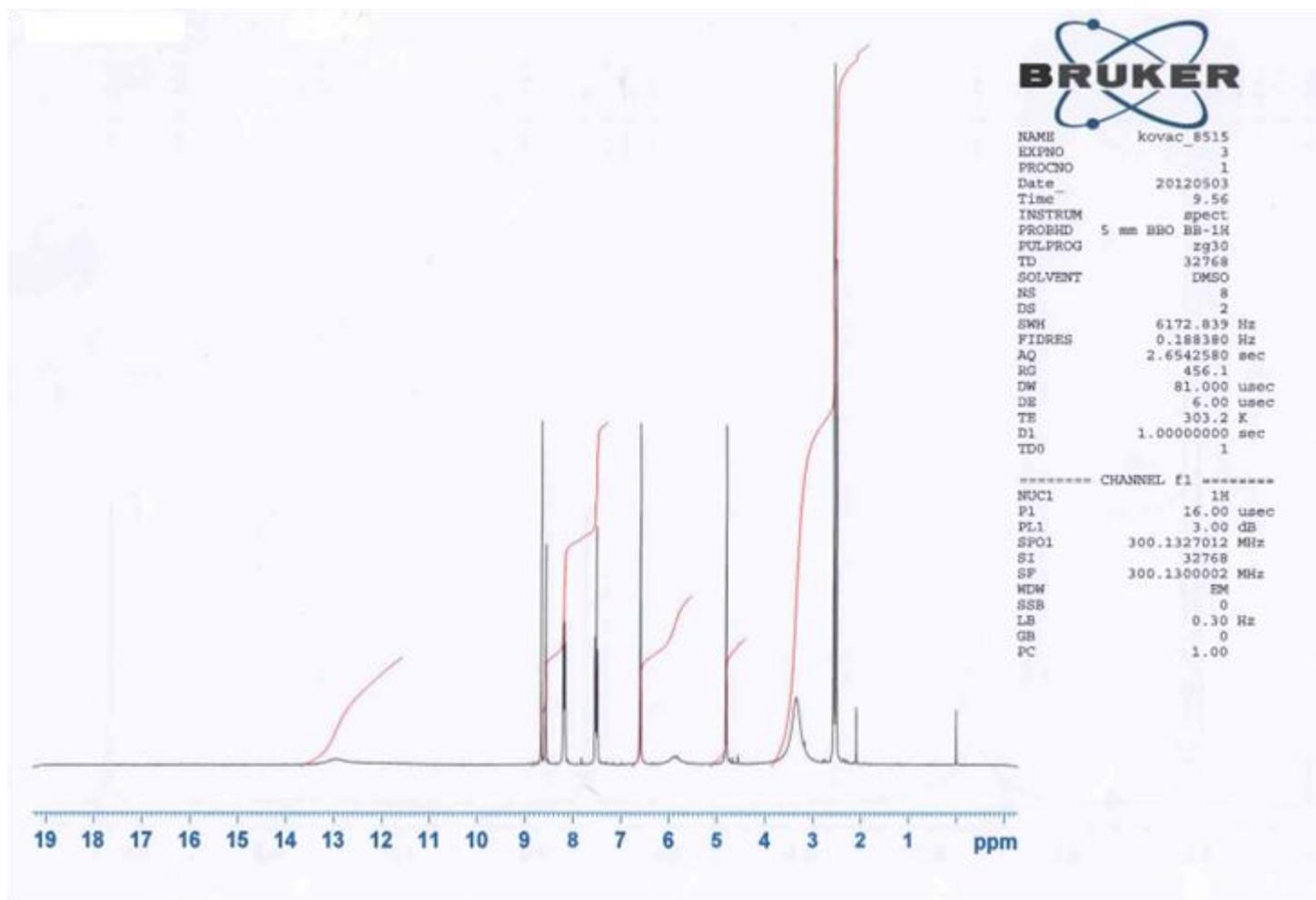
Figure S17. ^1H -NMR spectrum of compound **7** in $\text{DMSO}-d_6$ solution.

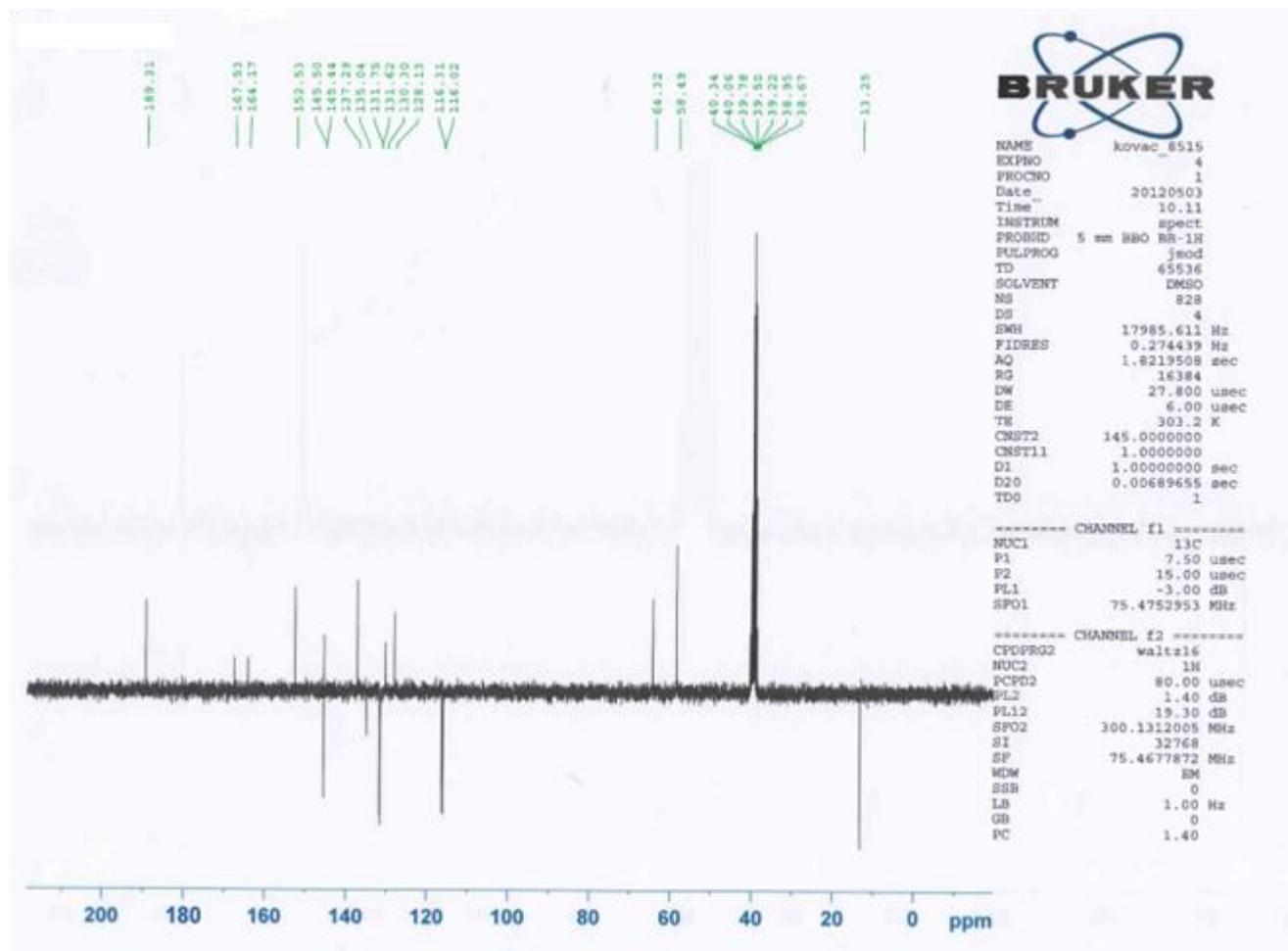
Figure S18. ^{13}C -NMR spectrum of compound **7** in $\text{DMSO-}d_6$ solution.

Figure S19. FT-IR spectrum of compound 8.

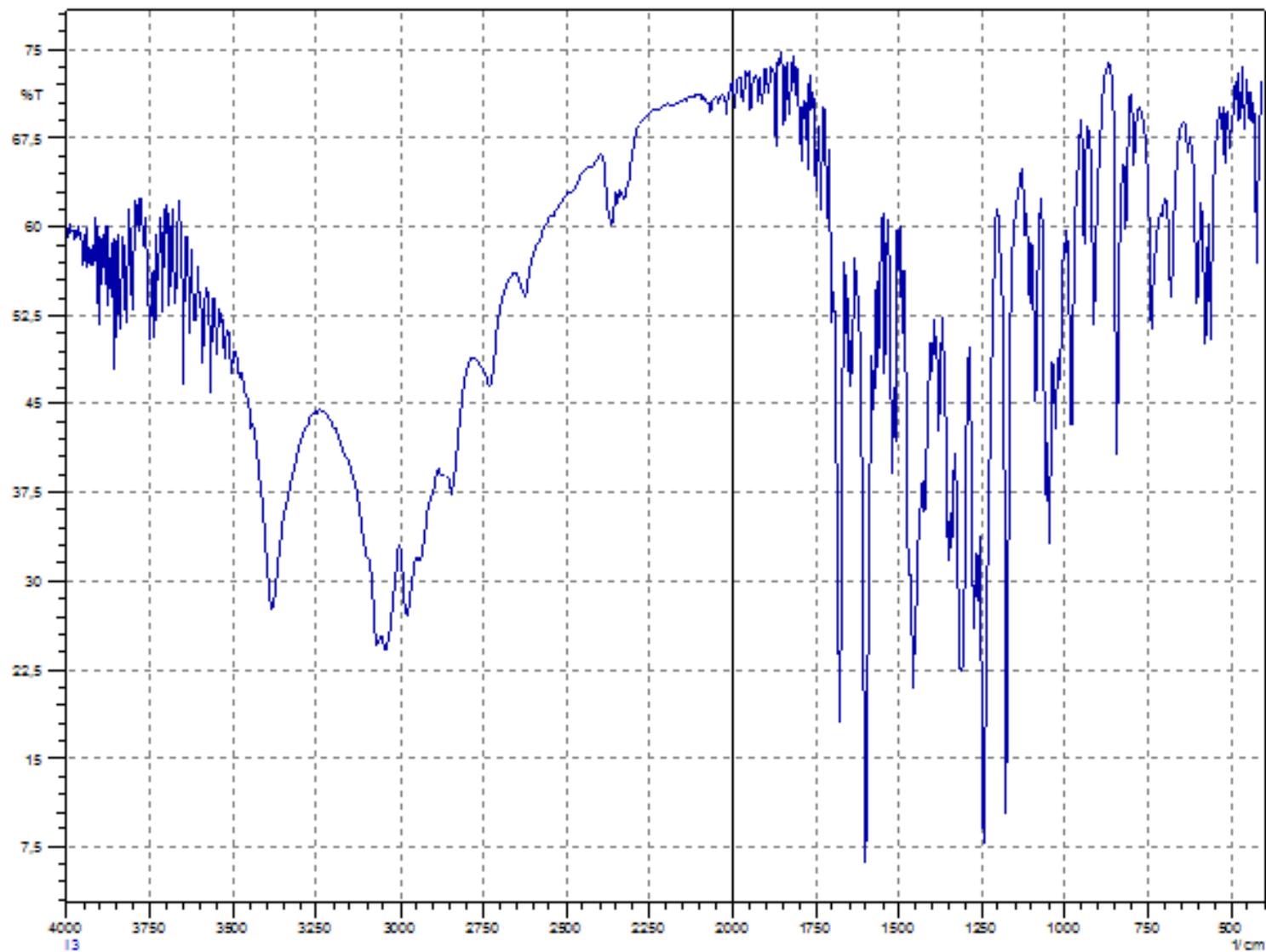


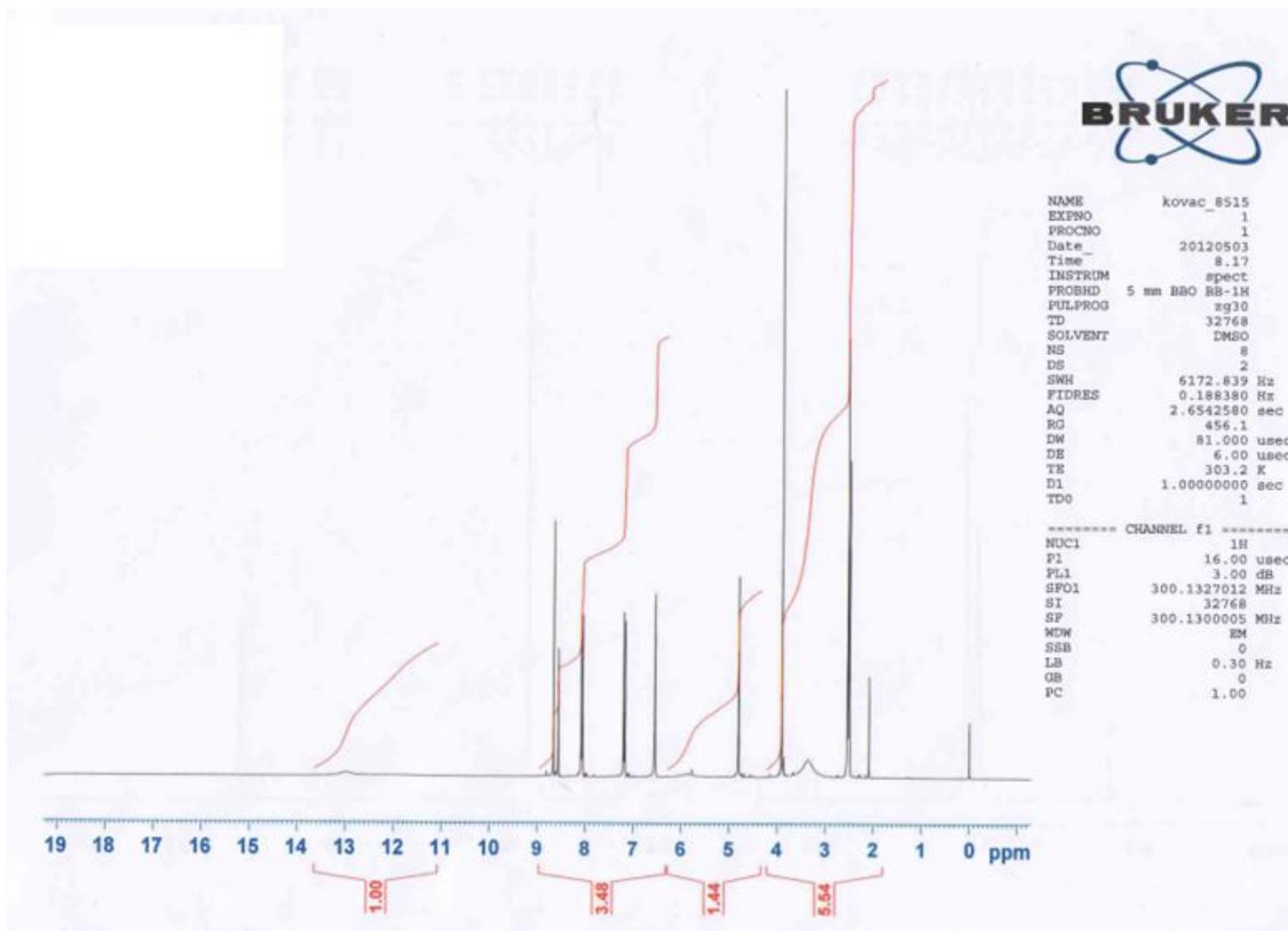
Figure S20. ^1H -NMR spectrum of compound **8** in $\text{DMSO}-d_6$ solution.

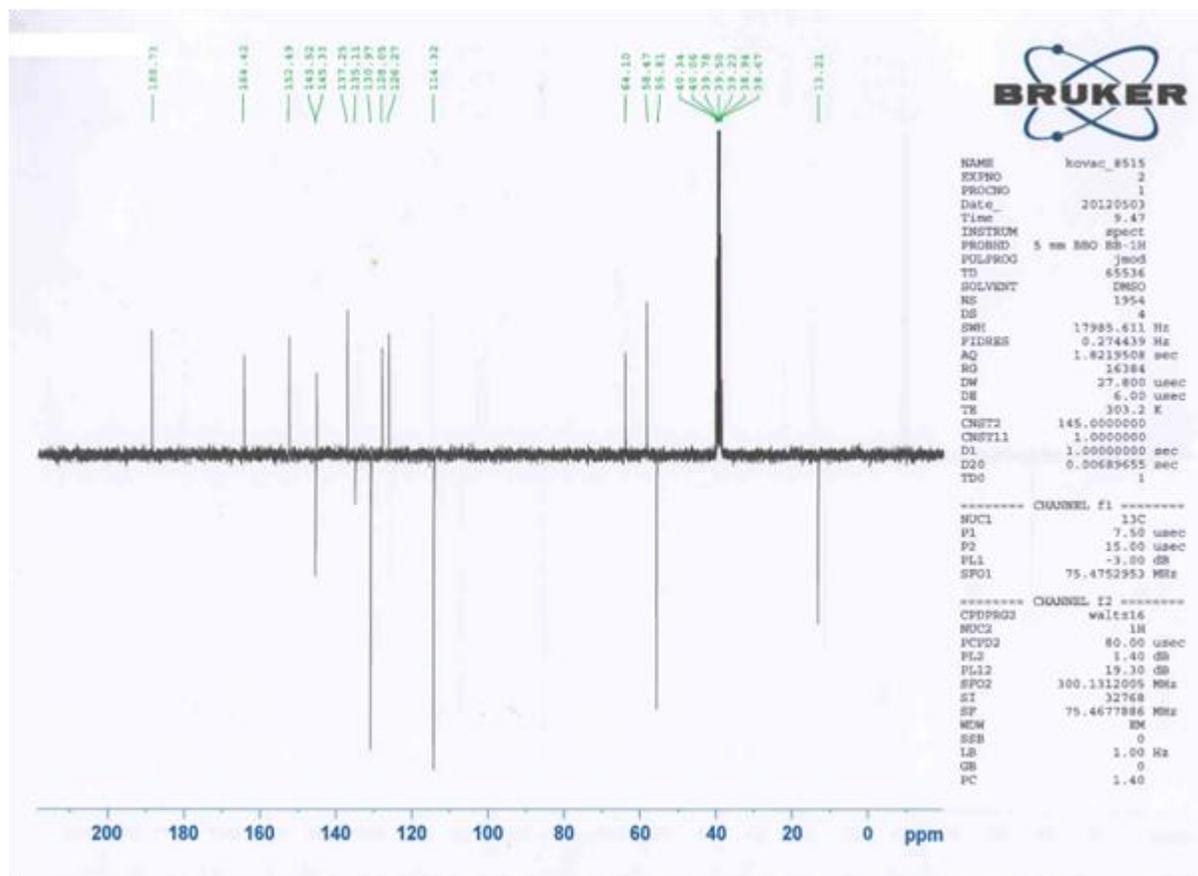
Figure S21. ^{13}C -NMR spectrum of compound **8** in $\text{DMSO-}d_6$ solution.

Figure S22. FT-IR spectrum of compound 9.

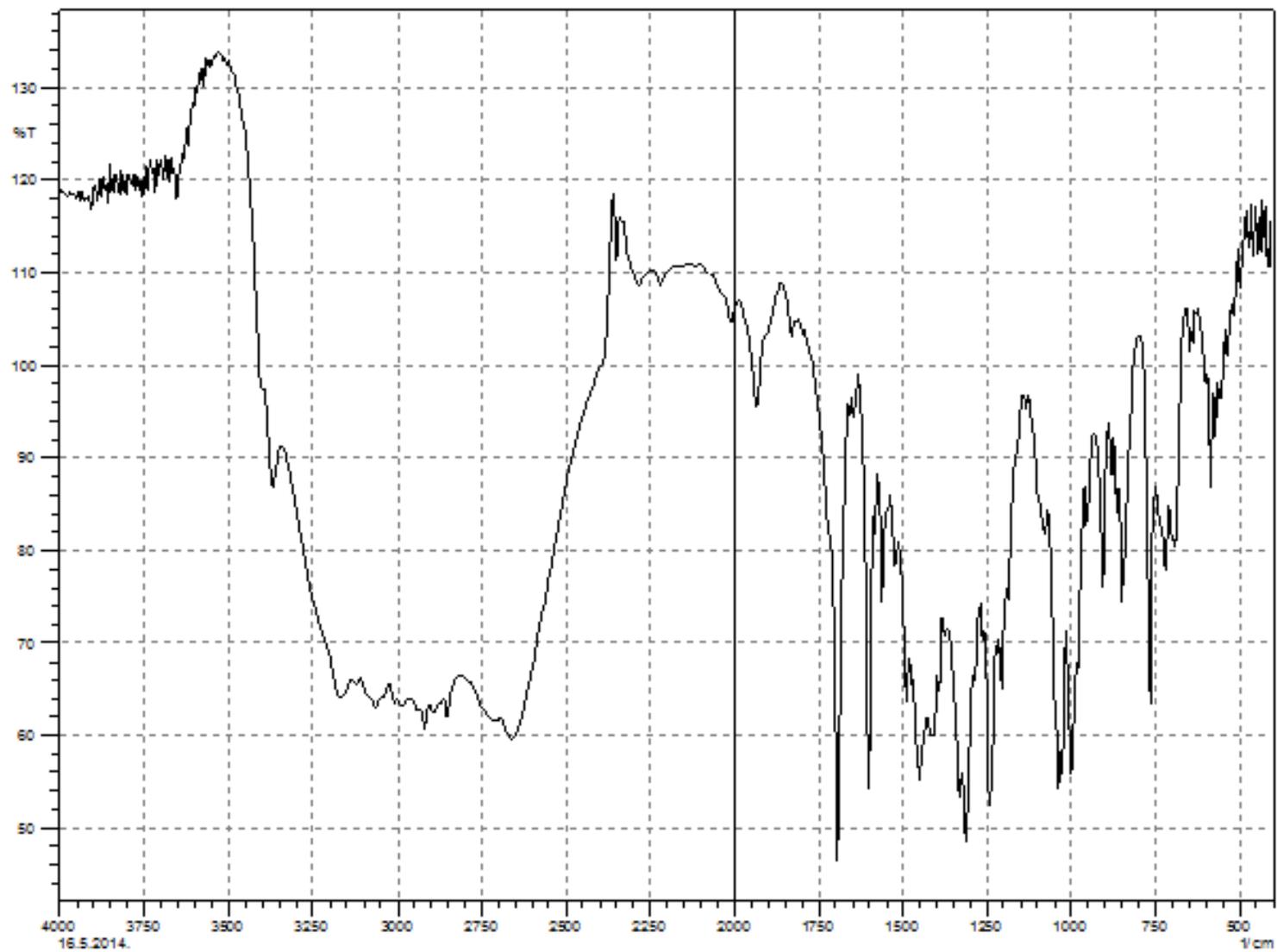


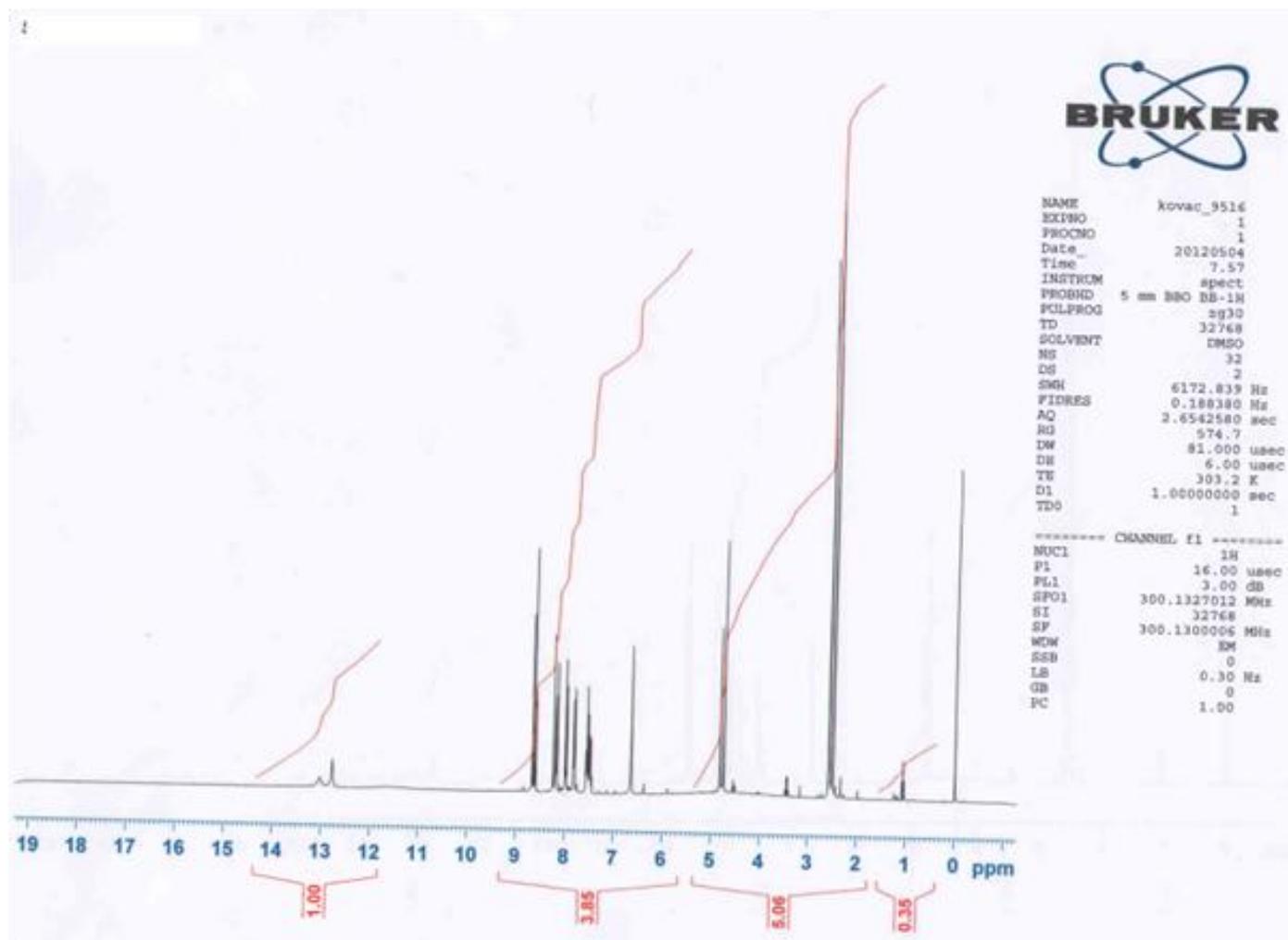
Figure S23. ^1H -NMR spectrum of compound **9** in $\text{DMSO-}d_6$ solution.

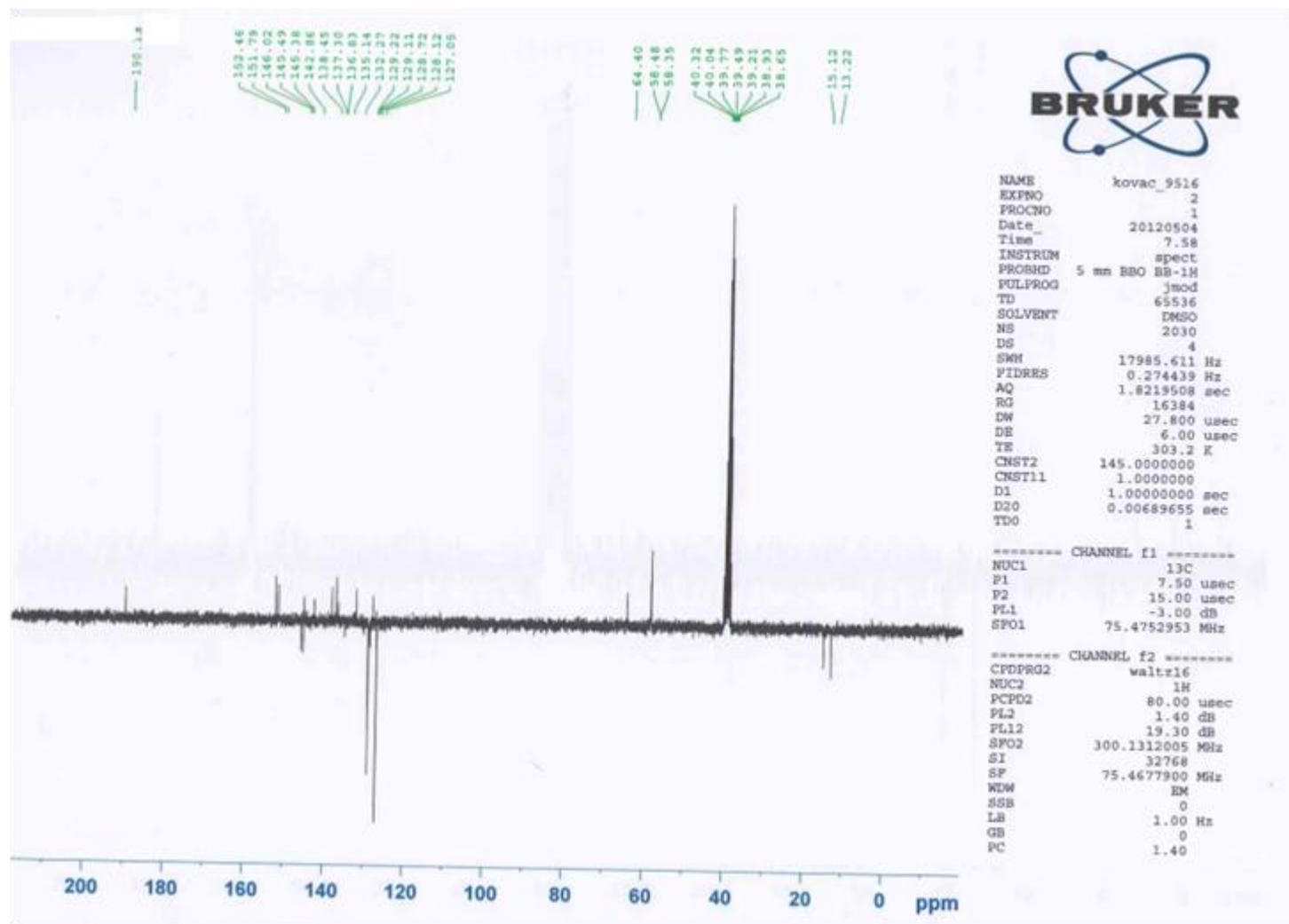
Figure S24. ^{13}C -NMR spectrum of compound **9** in DMSO- d_6 solution.

Figure S25. FT-IR spectrum of compound 10.

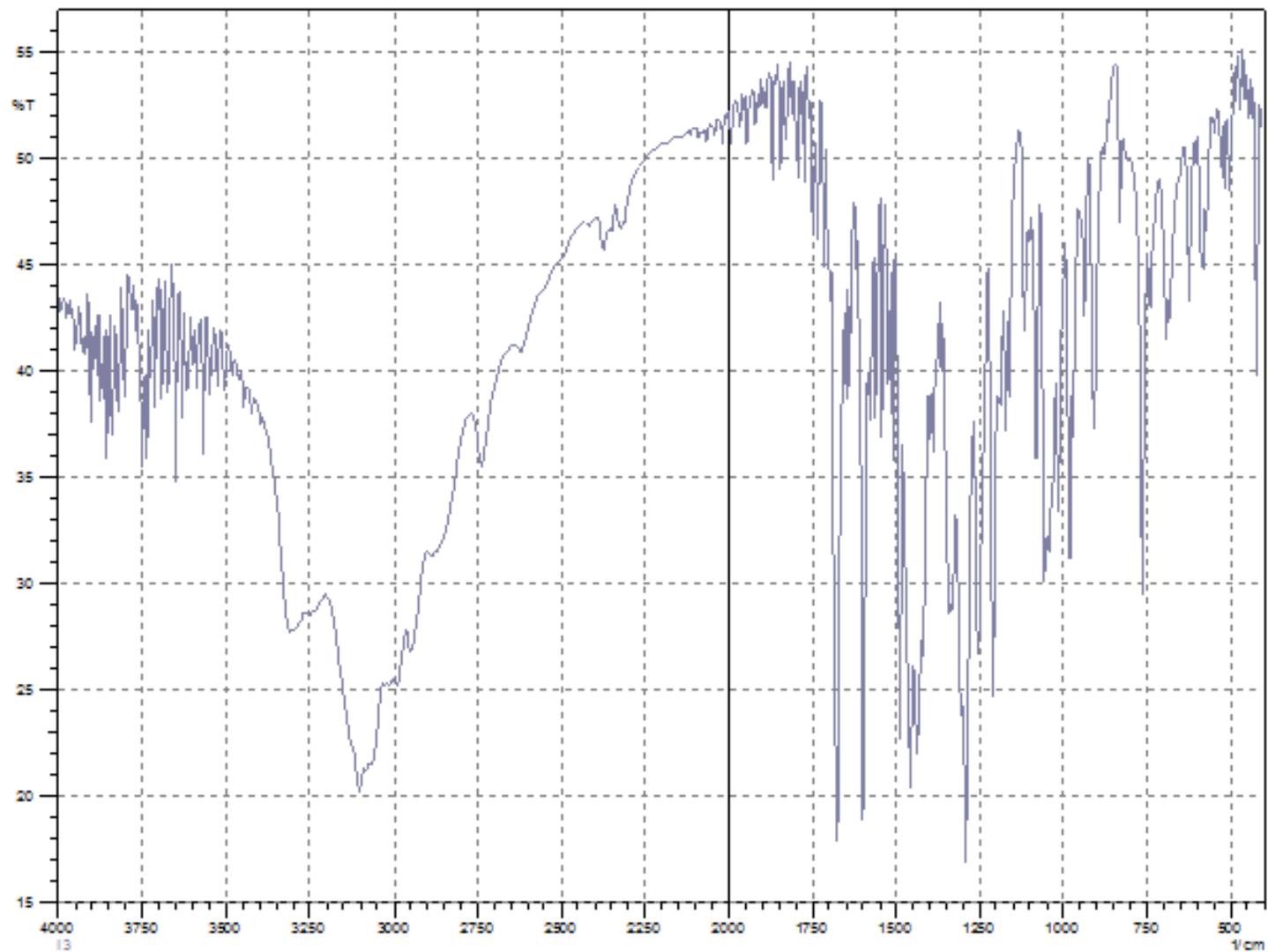


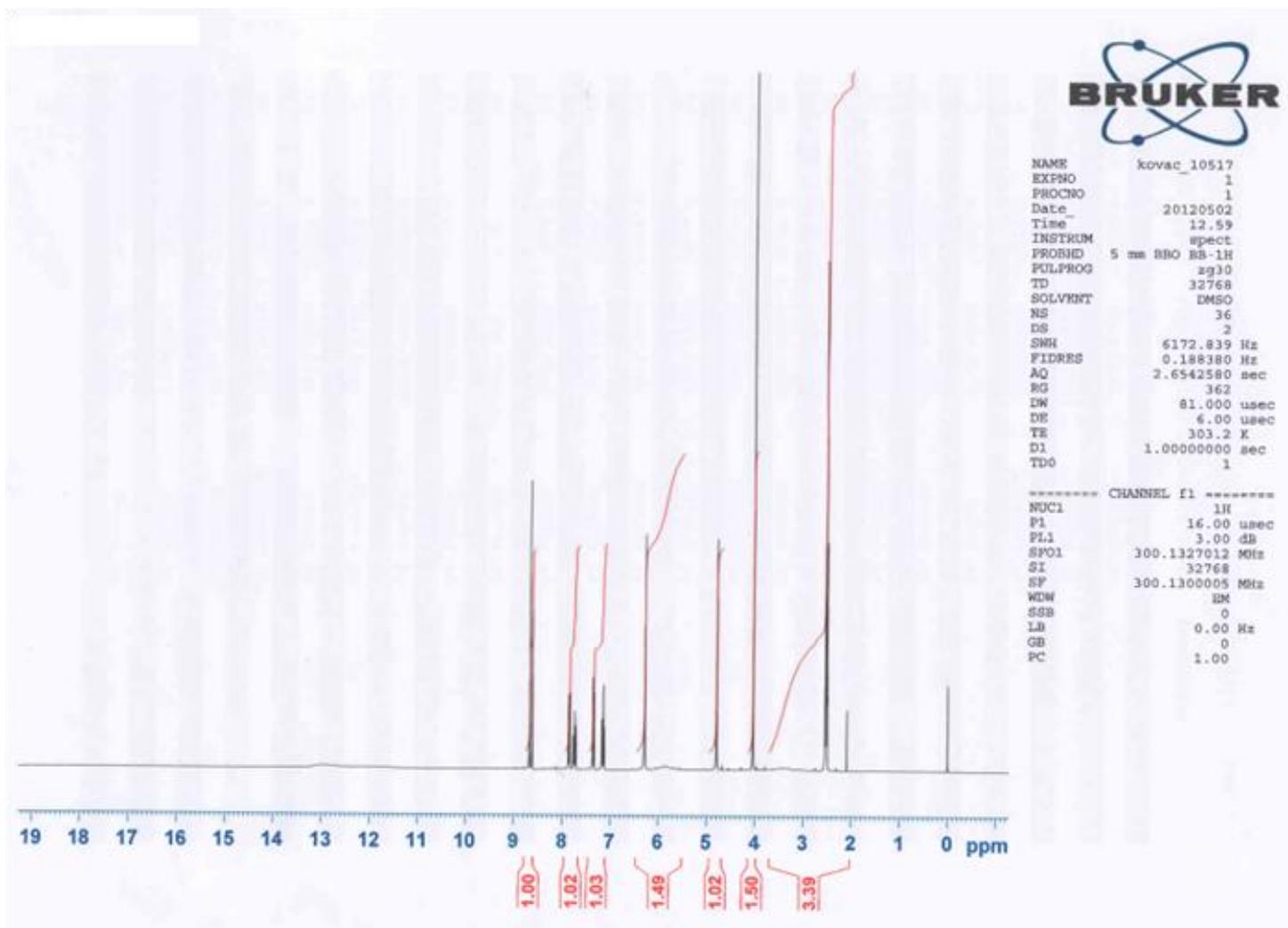
Figure S26. ^1H -NMR spectrum of compound **10** in DMSO- d_6 solution.

Figure S27. ^{13}C -NMR spectrum of compound 10 in DMSO- d_6 solution.