

Supplemental Material

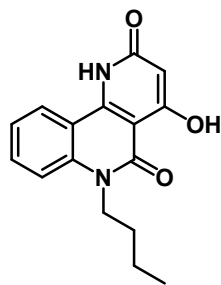
New synthetic chitosan Schiff bases bearing pyranoquinolinone or benzonaphthyridine and their silver nanoparticles derivatives with potential activity as antioxidant and molecular docking study for EGFR inhibitors

Shrouk M. Hassan,^a Jehan M. Morsy,^a Hany M. Hassanin,^a Elham S. Othman,^a Mai A. Mostafa*^a

^a Department of Chemistry, Faculty of Education, Ain Shams University, Roxy, 11711 Cairo, Egypt.

*Email: maiabdellatef@edu.asu.edu.eg

Analyses of compound 2



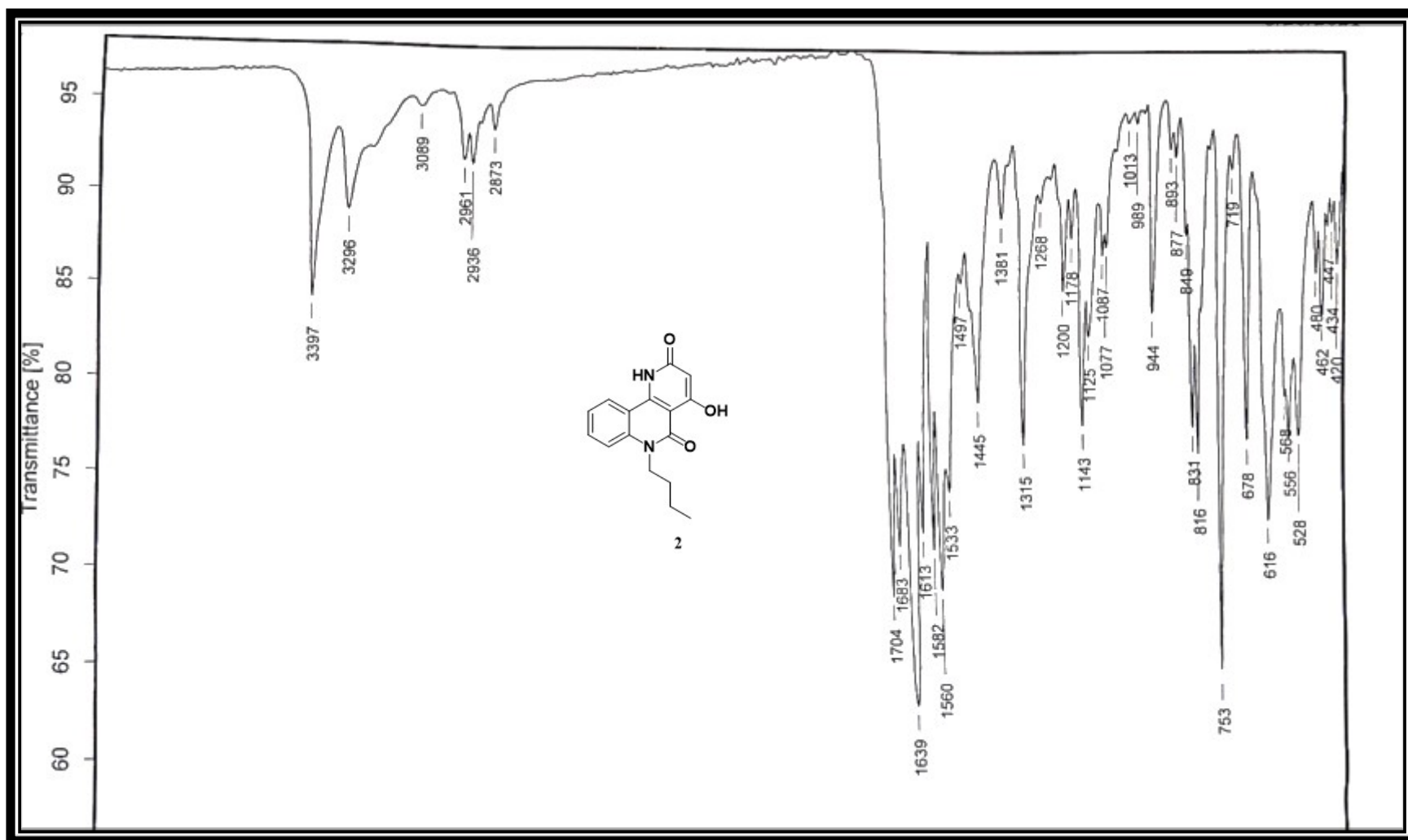


Figure S1: The IR spectrum of compound 2.

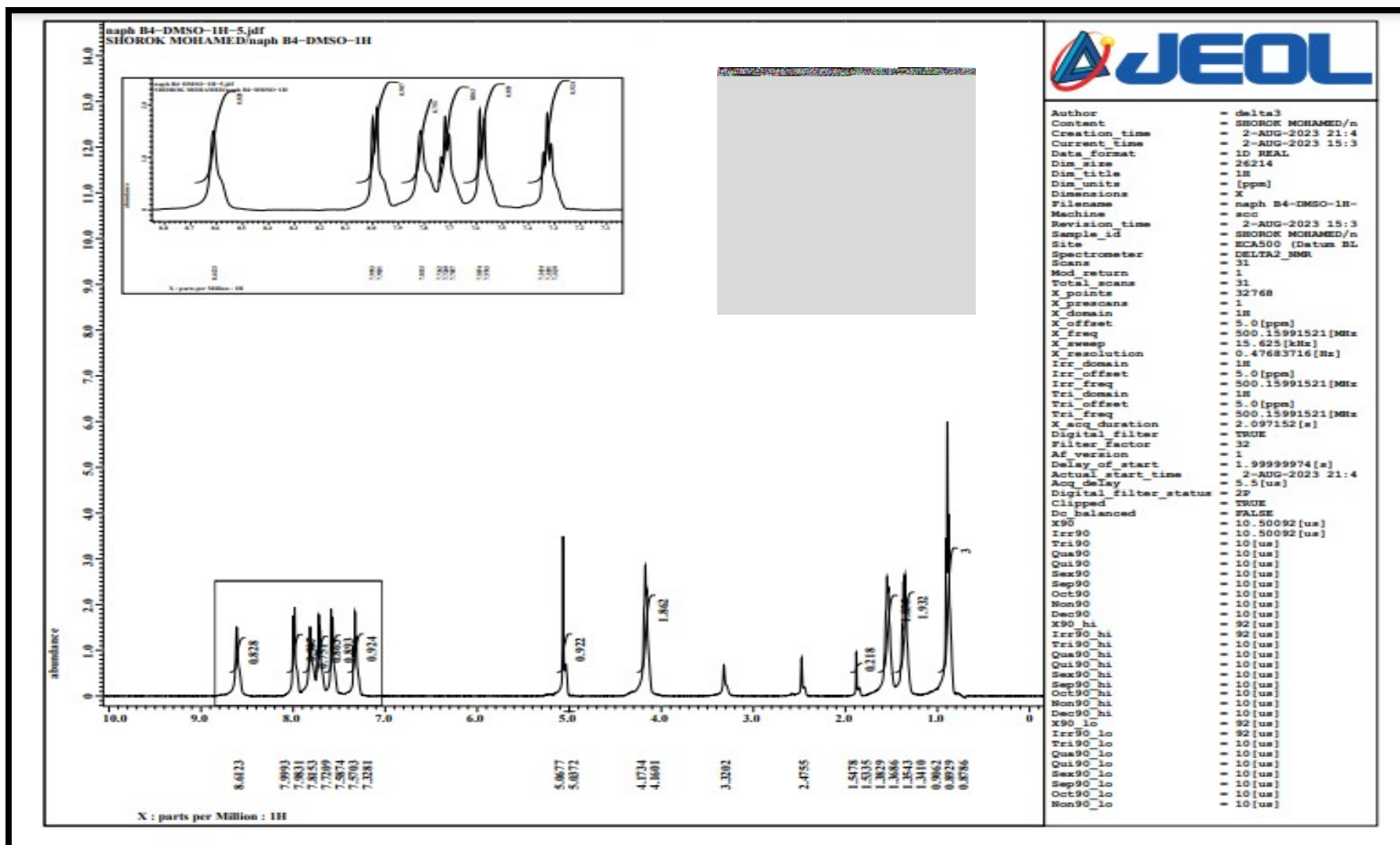


Figure S2: The ^1H -NMR Spectrum of compound 2.

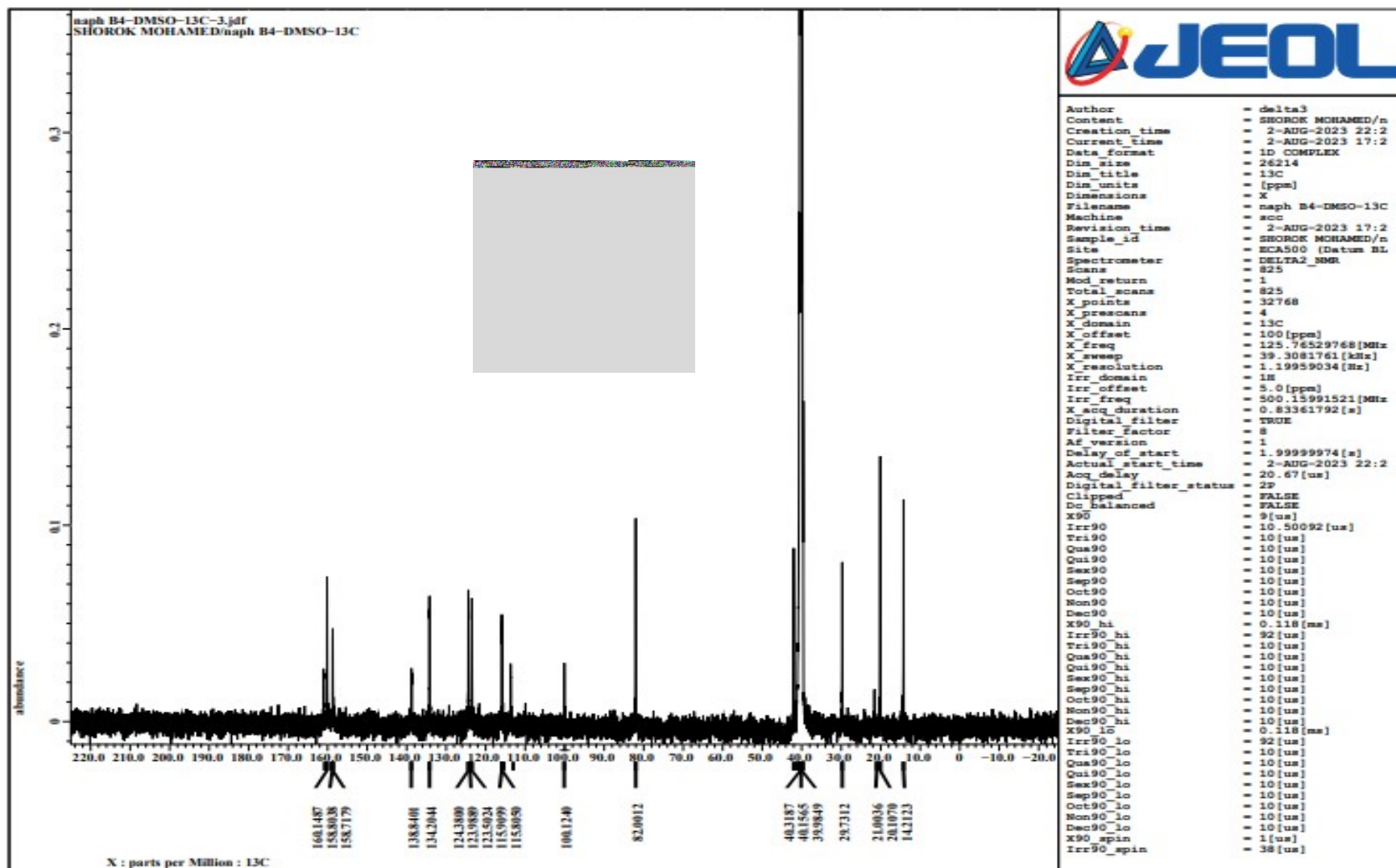


Figure S3: The ^{13}C -NMR spectrum of compound 2.

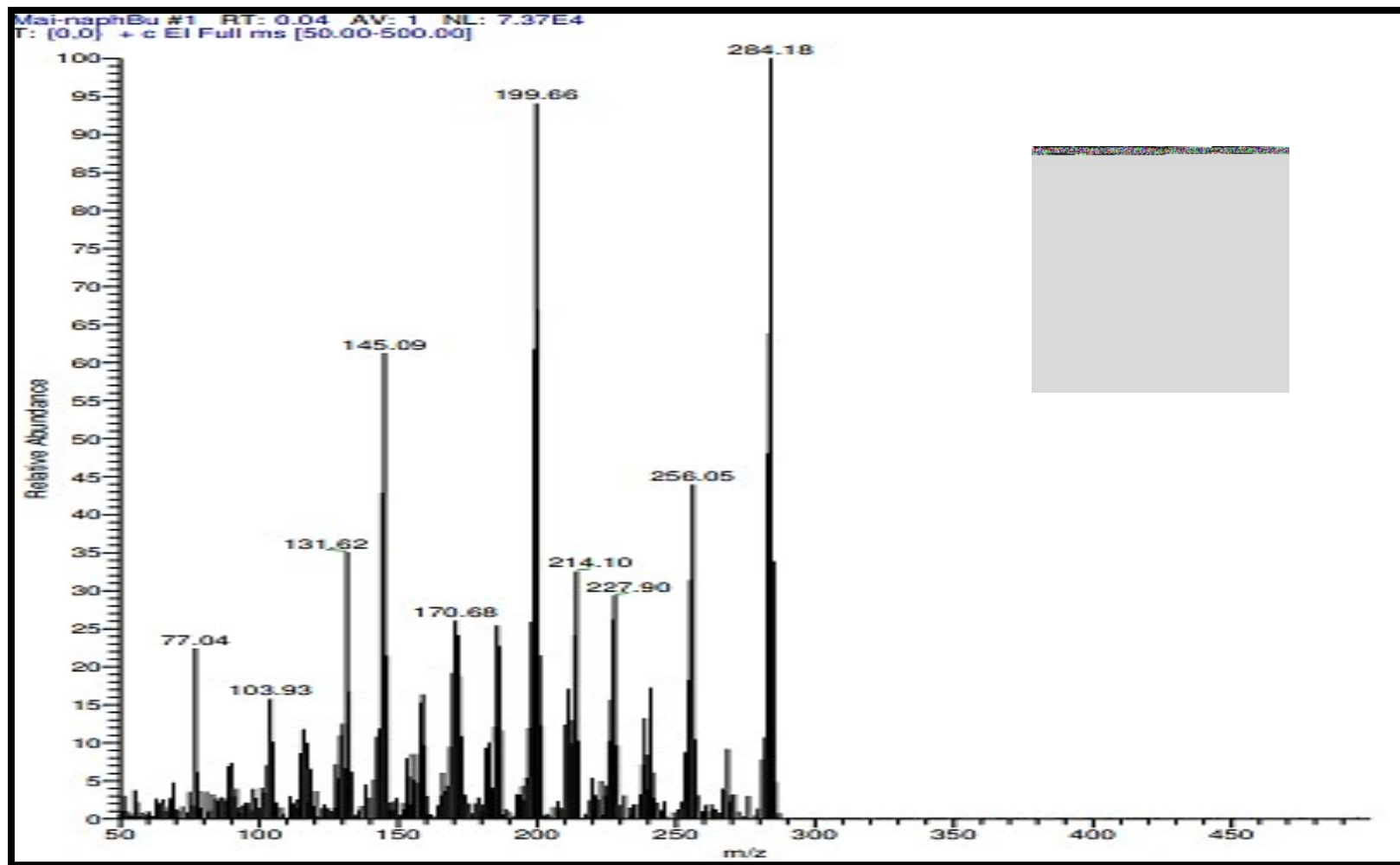
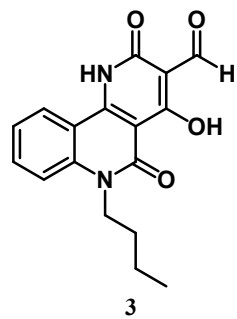


Figure S4: The mass spectrum of compound 2.

Analyses of compound 3



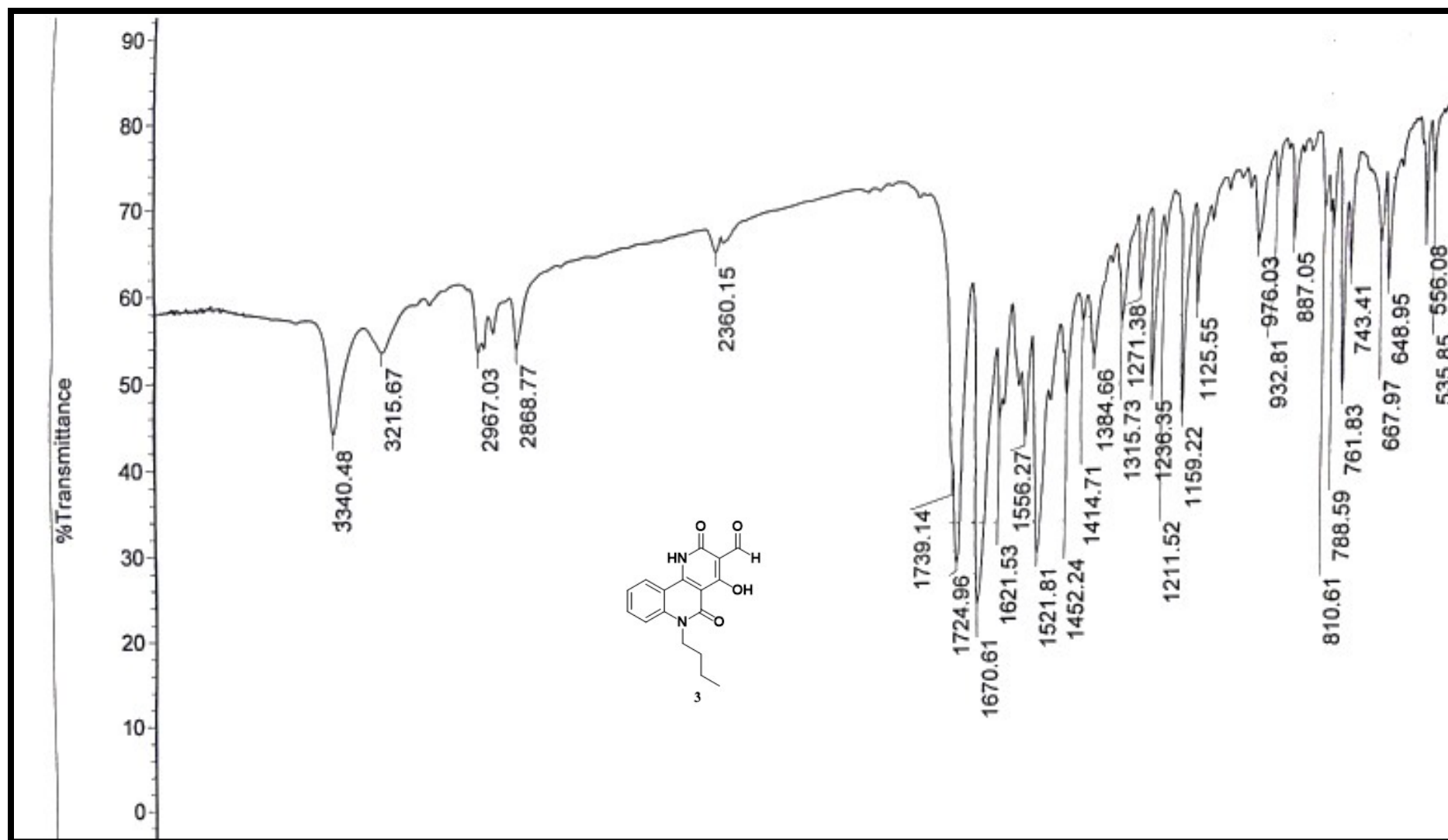


Figure S5: The IR spectrum of compound 3.

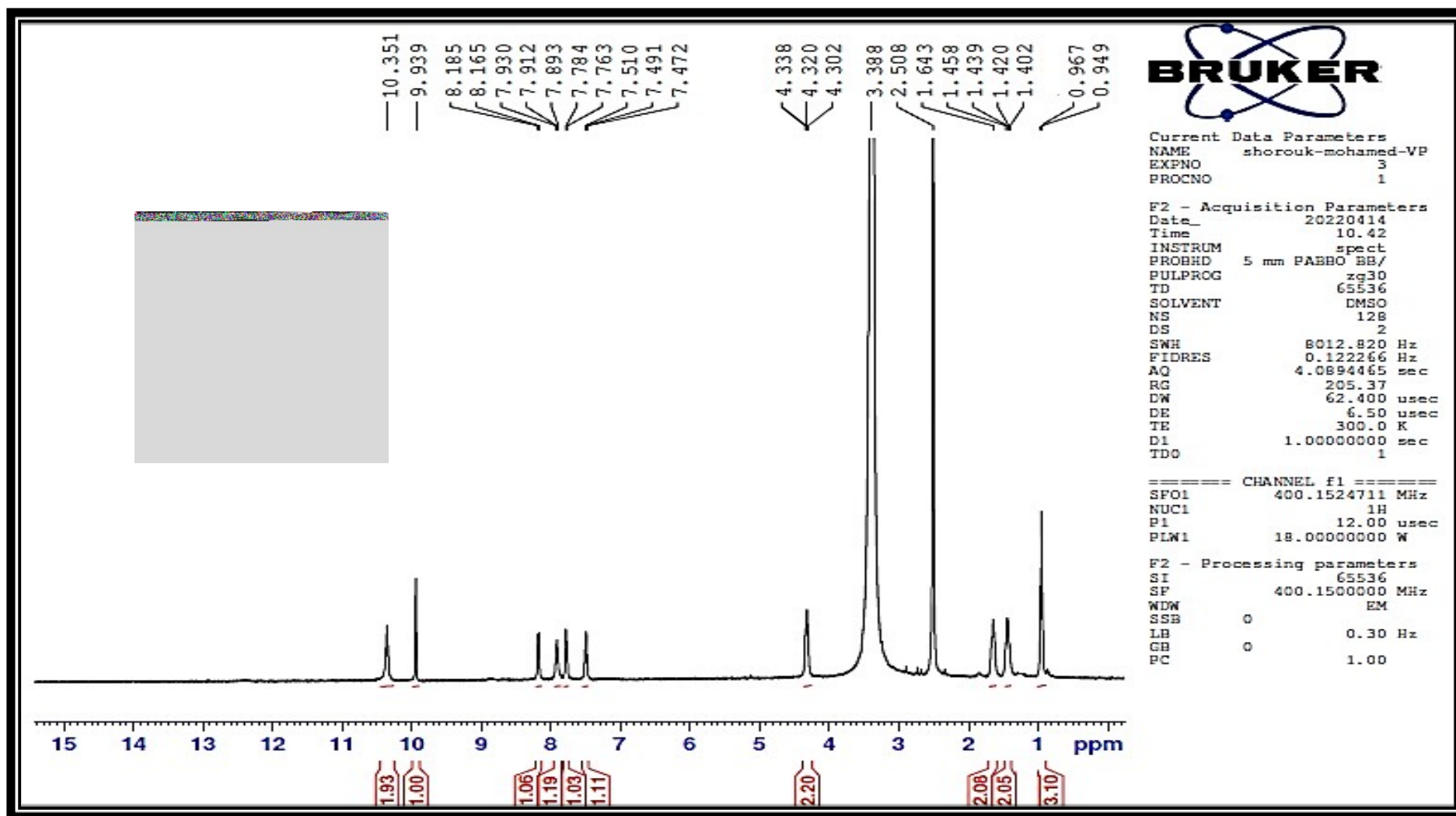


Figure S6: The ¹H-NMR Spectrum of compound 3.

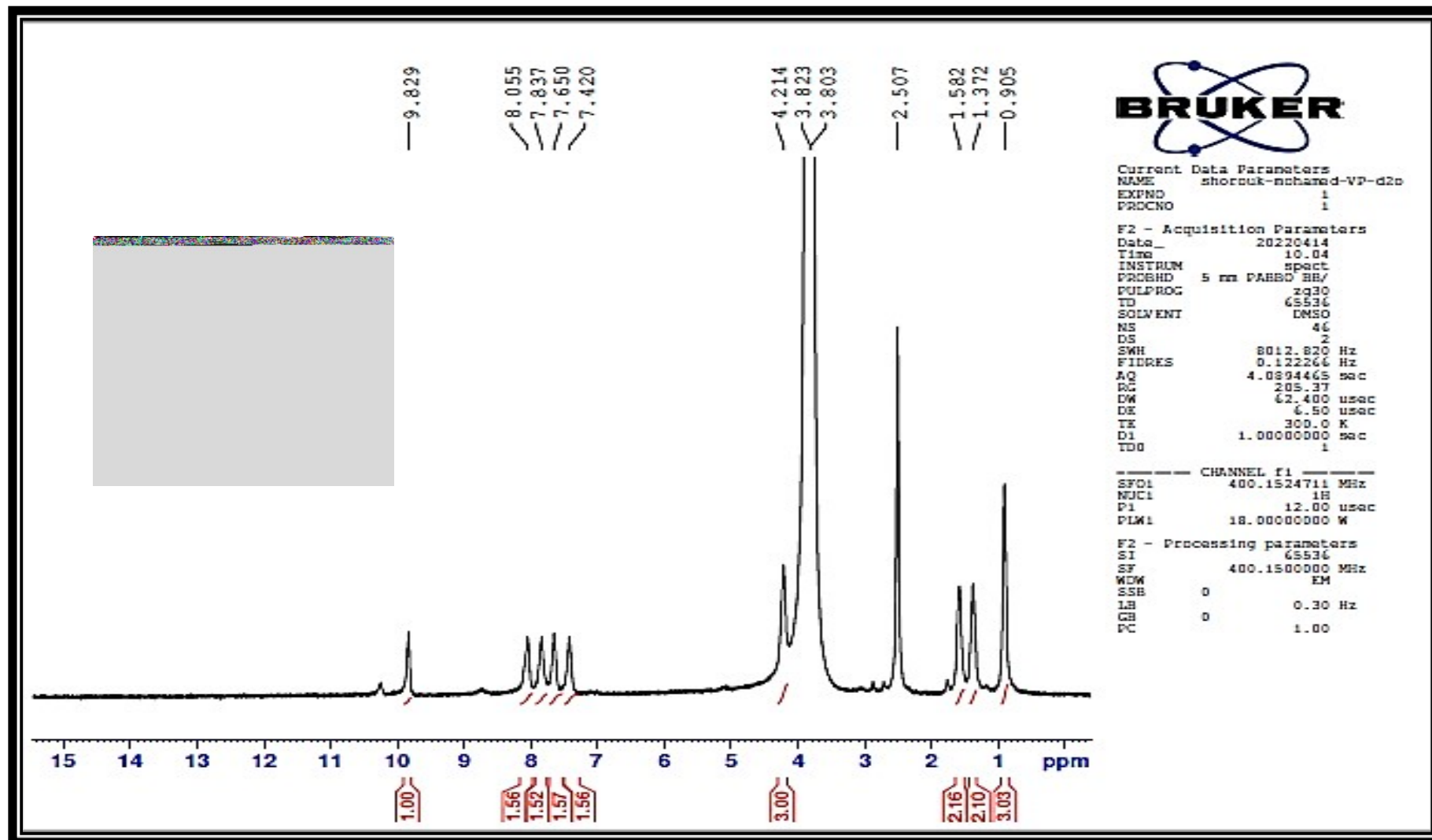


Figure S7: The D₂O-¹H NMR spectrum of compound 3.

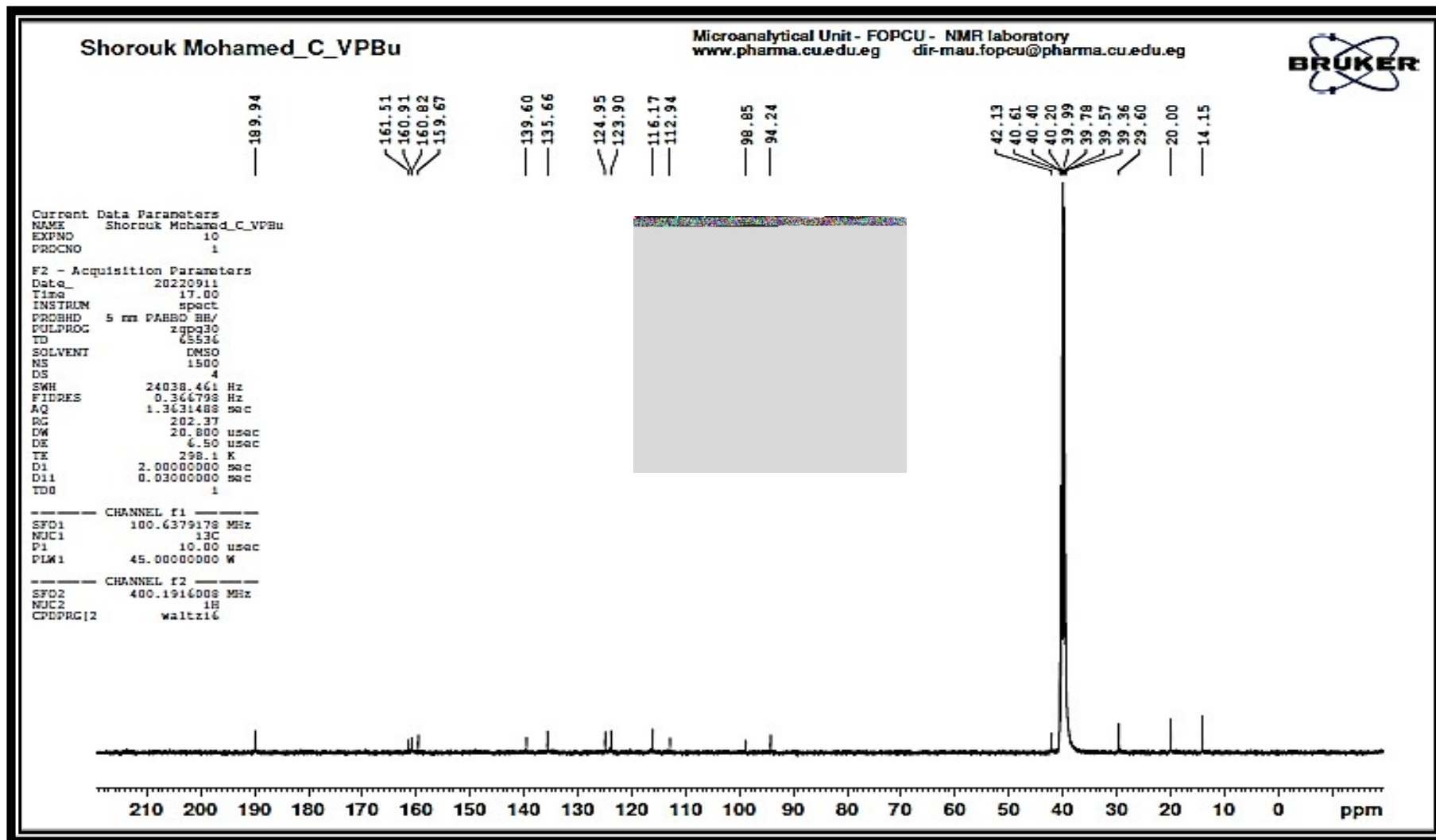


Figure S8: The ^{13}C -NMR spectrum of compound 3.

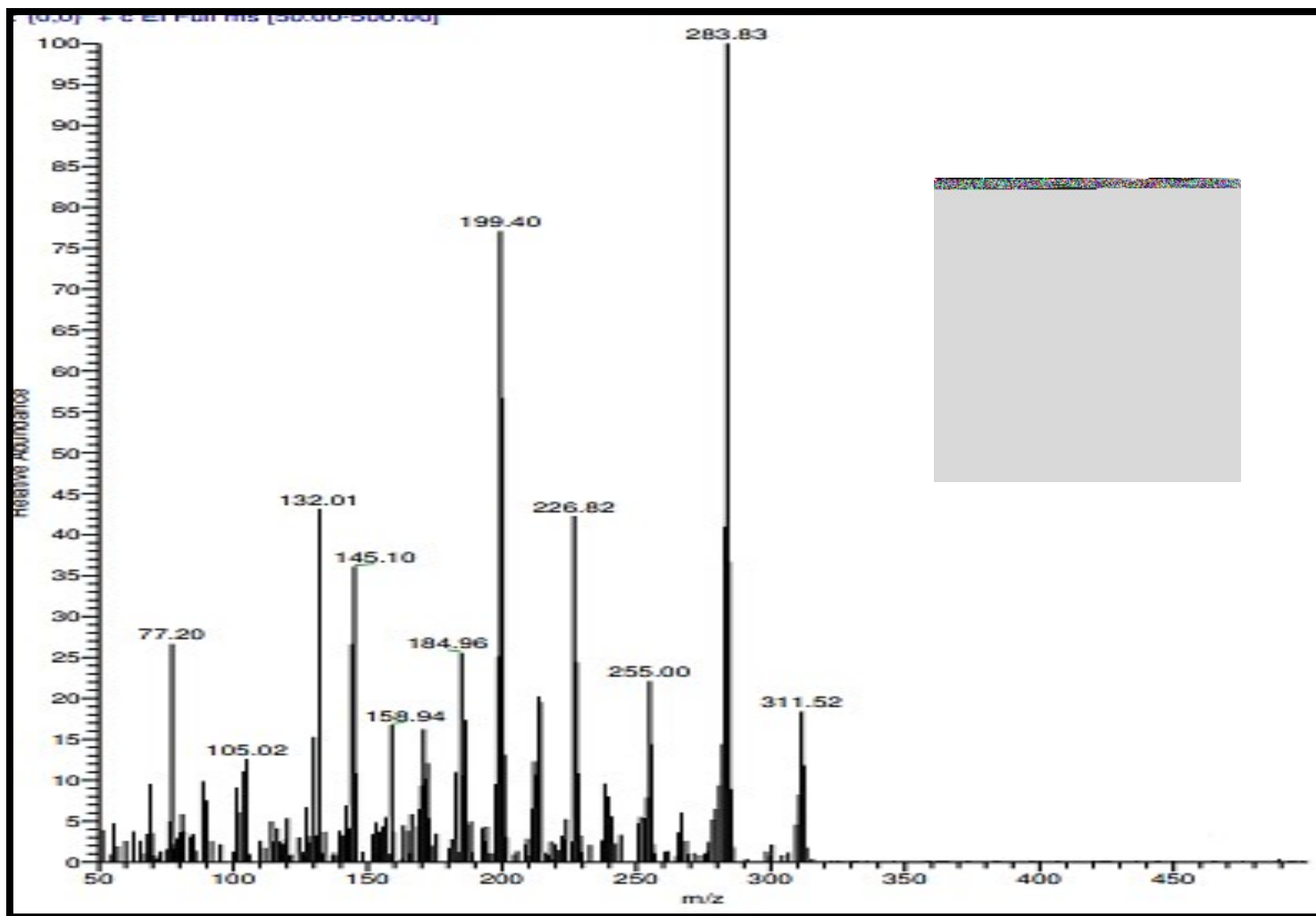
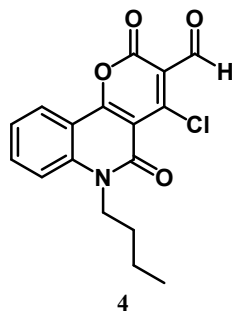


Figure S9: The mass spectrum of compound **3**.

Analyses of compound 4



4

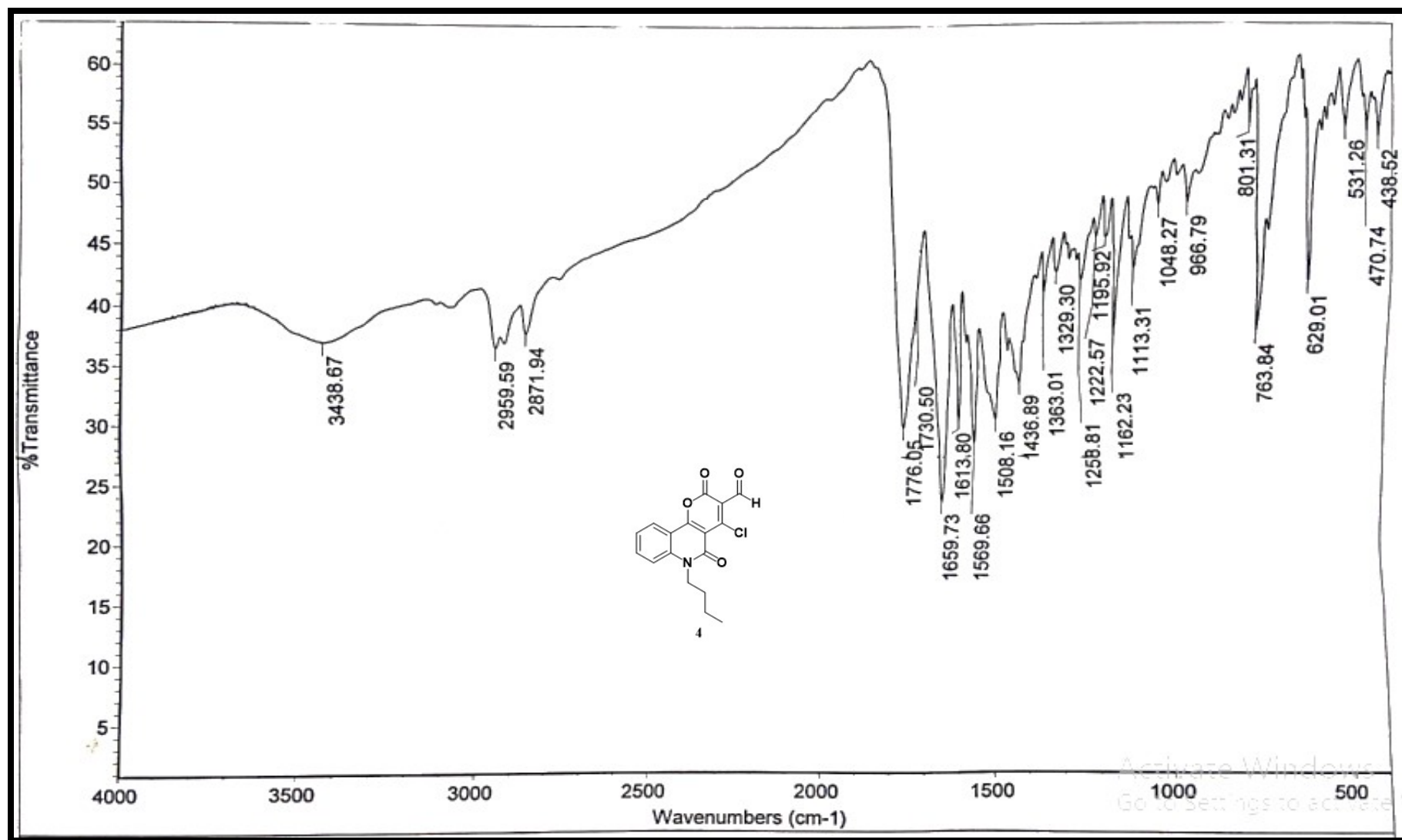


Figure S10: The IR spectrum of compound 4.

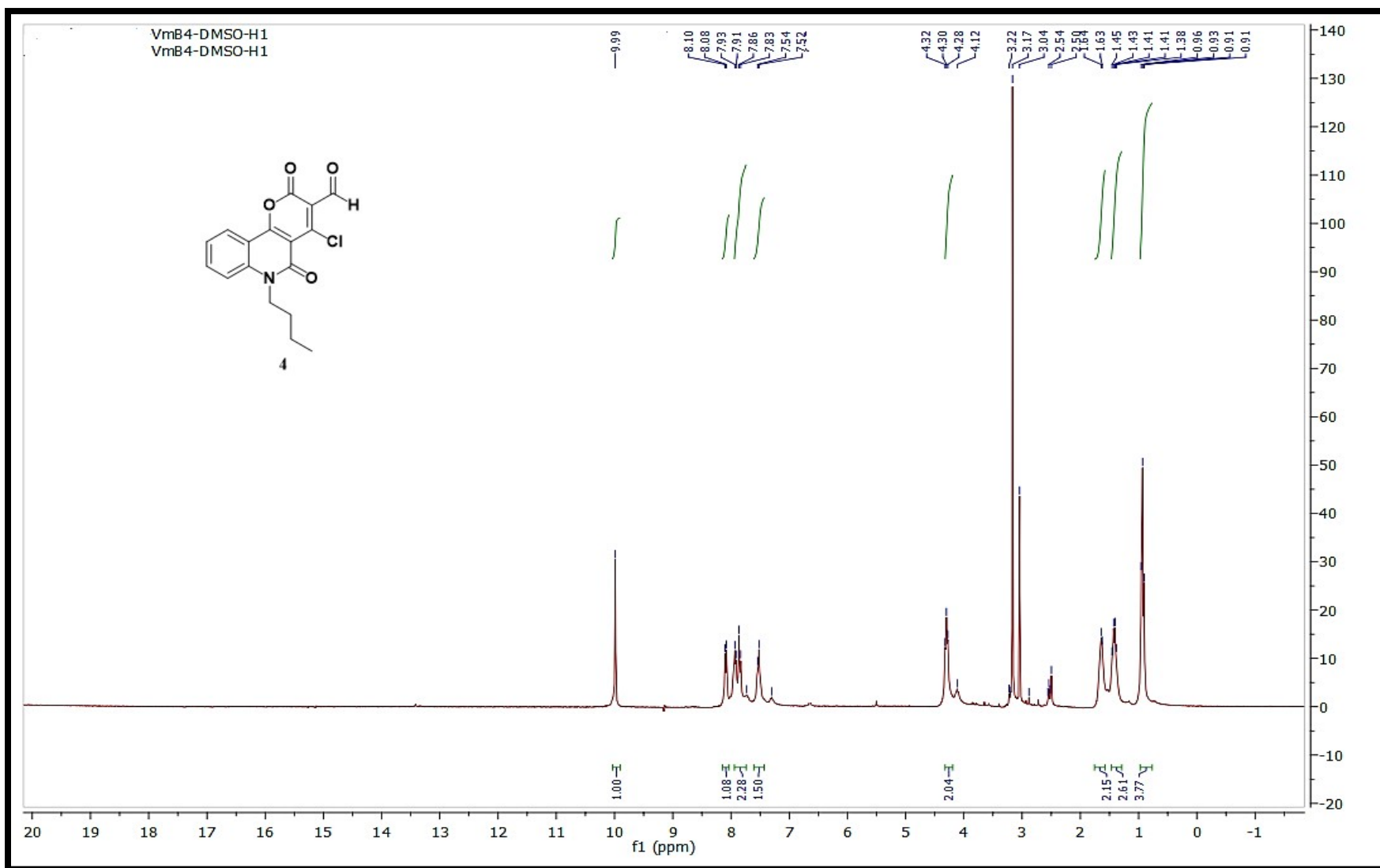


Figure S11: The ^1H -NMR spectrum of compound **4**.

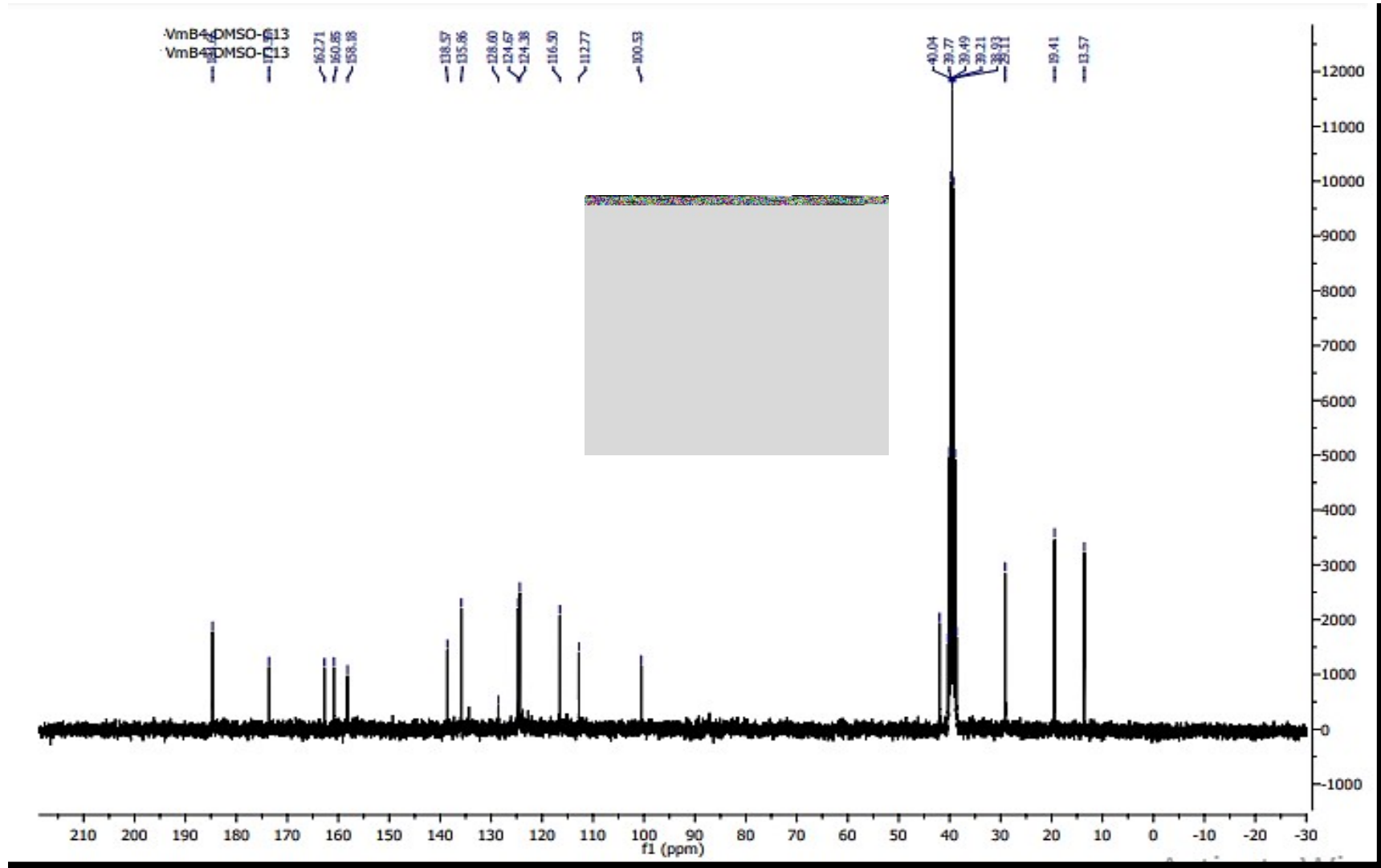


Figure S12: The ^{13}C -NMR spectrum of compound 4.