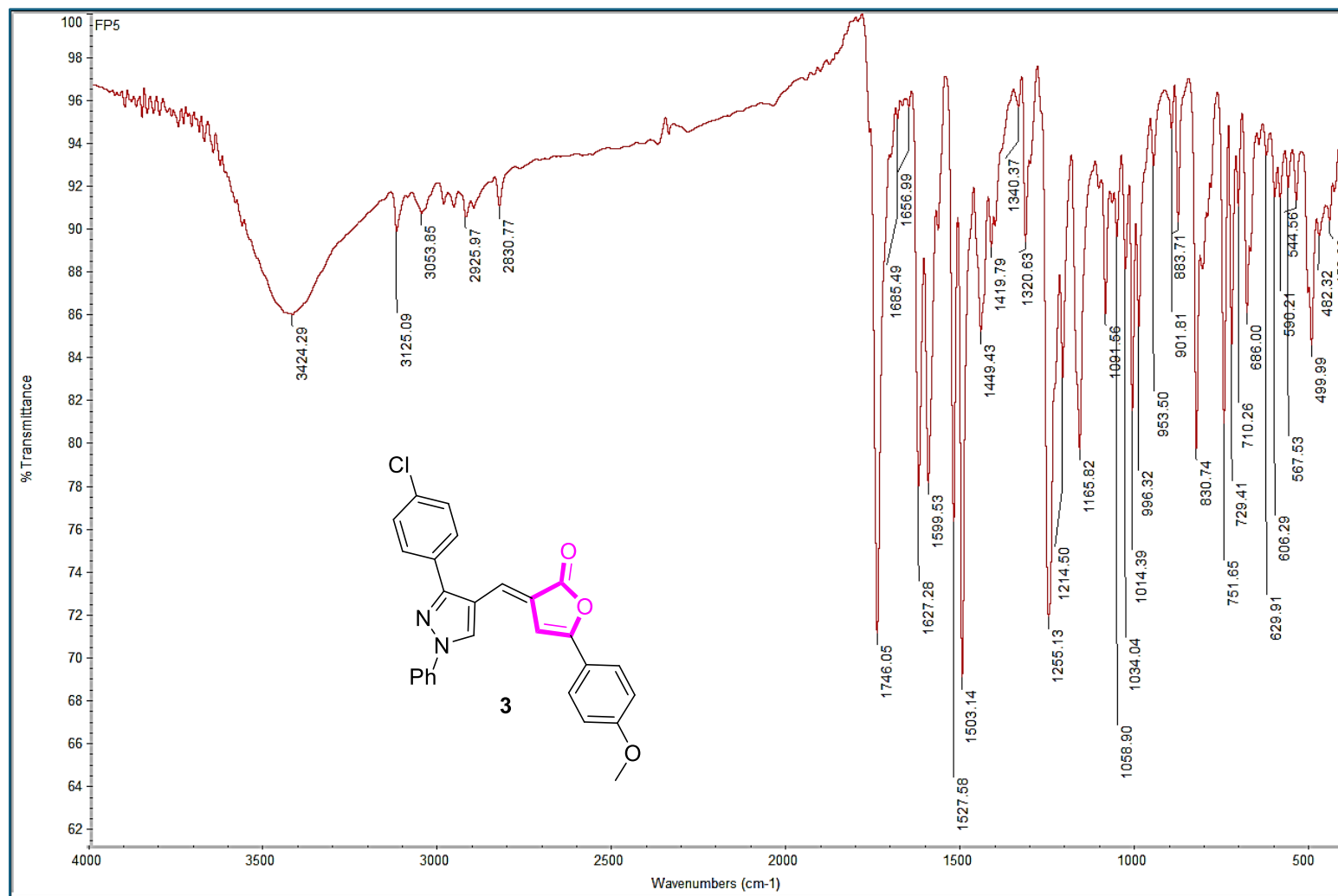


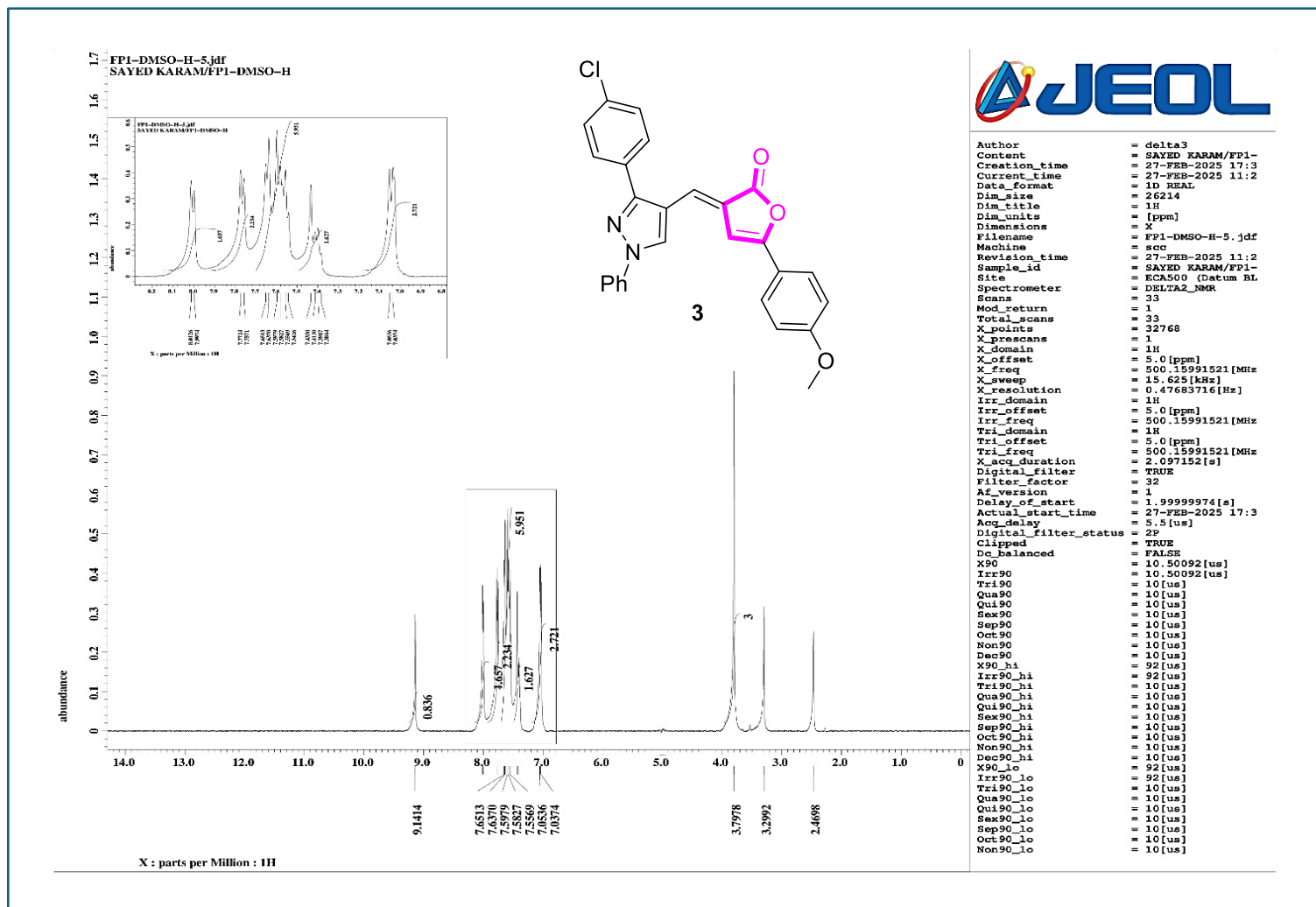
Design, Synthesis, Bioevaluation, and *In Silico* Insights of Pyrazole-Pyrrolinone and Pyridazinone Hybrids as Potential Antimicrobial Agents

Supporting information:

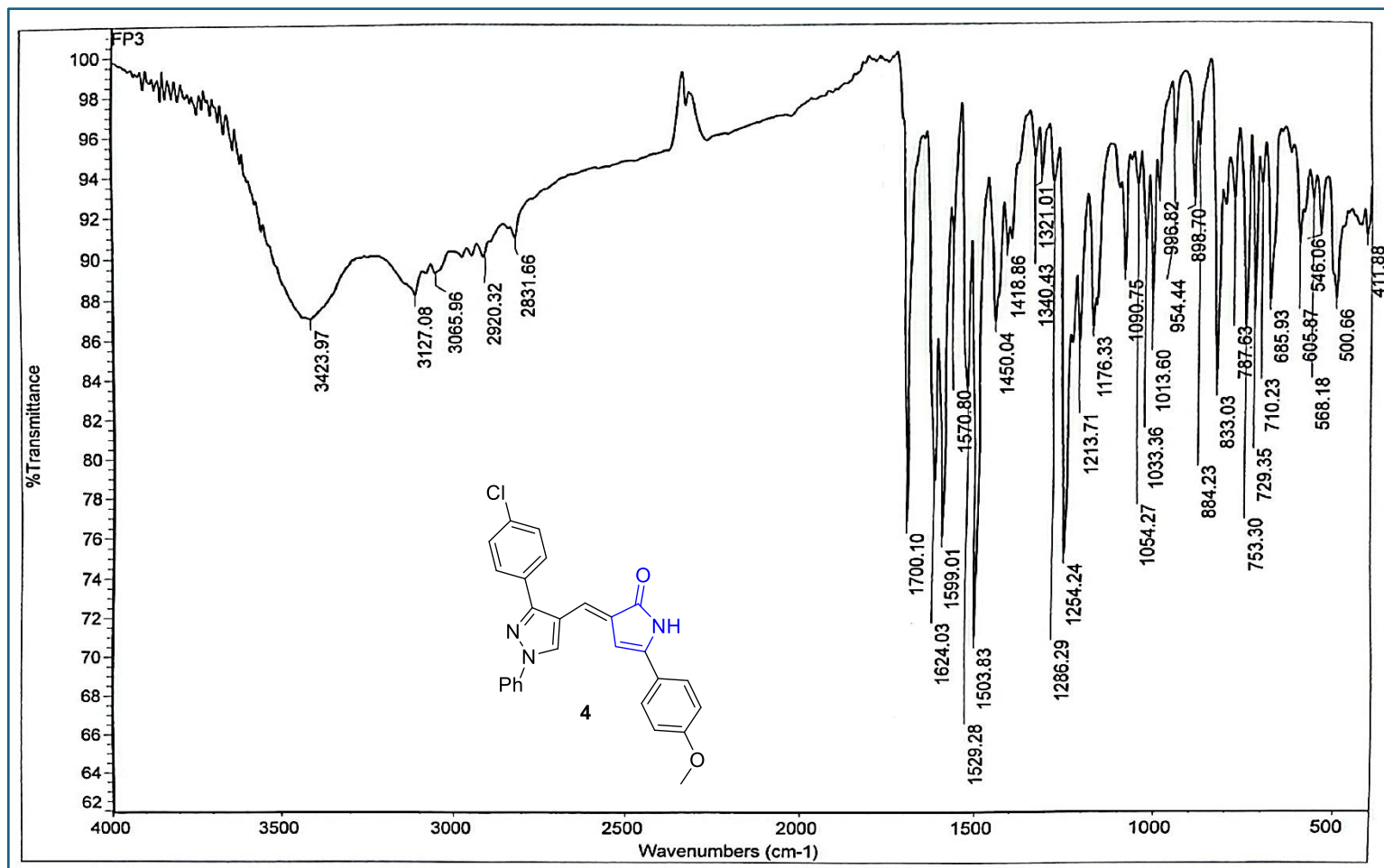
Spectral data:



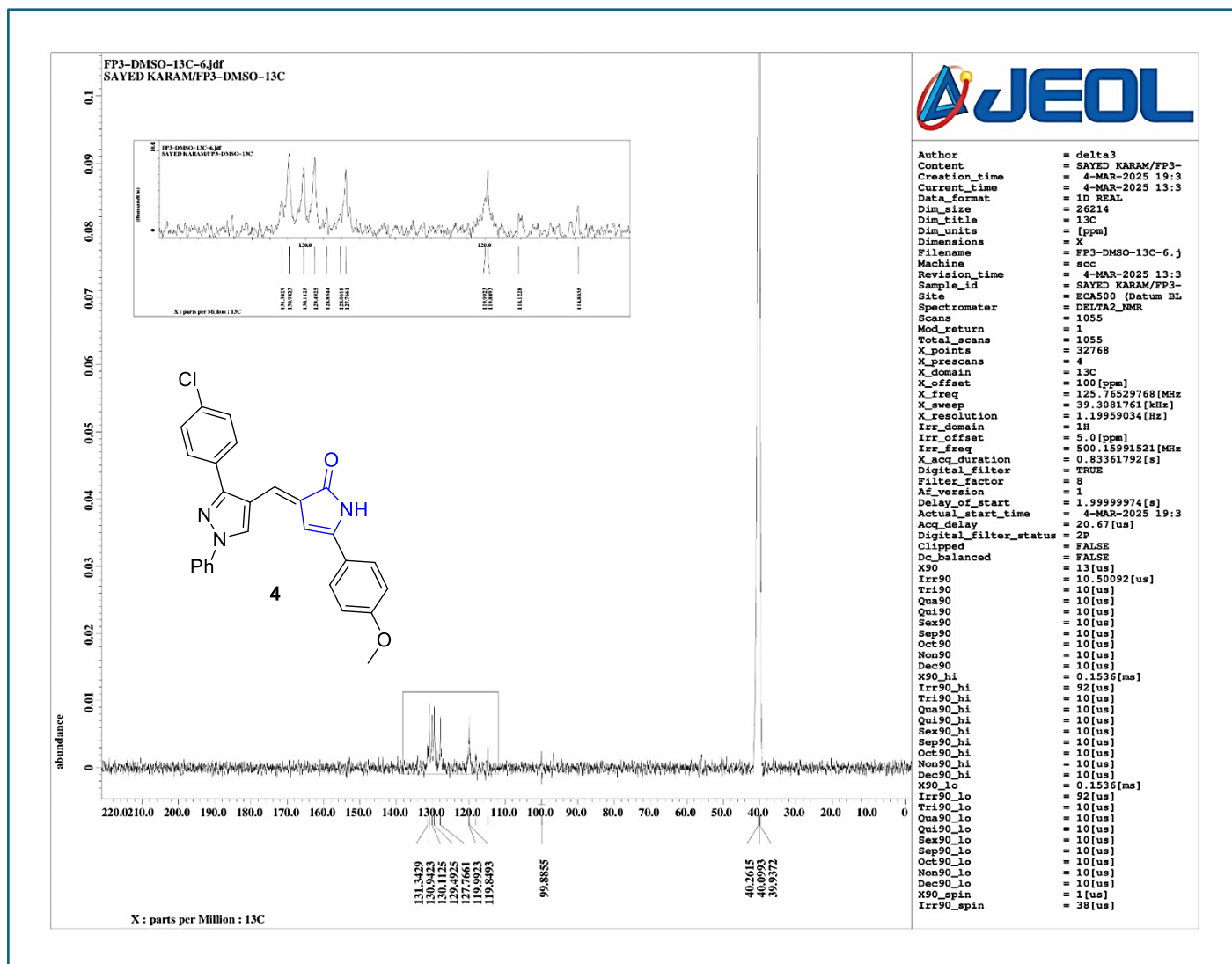
FT-IR spectrum of compound 3



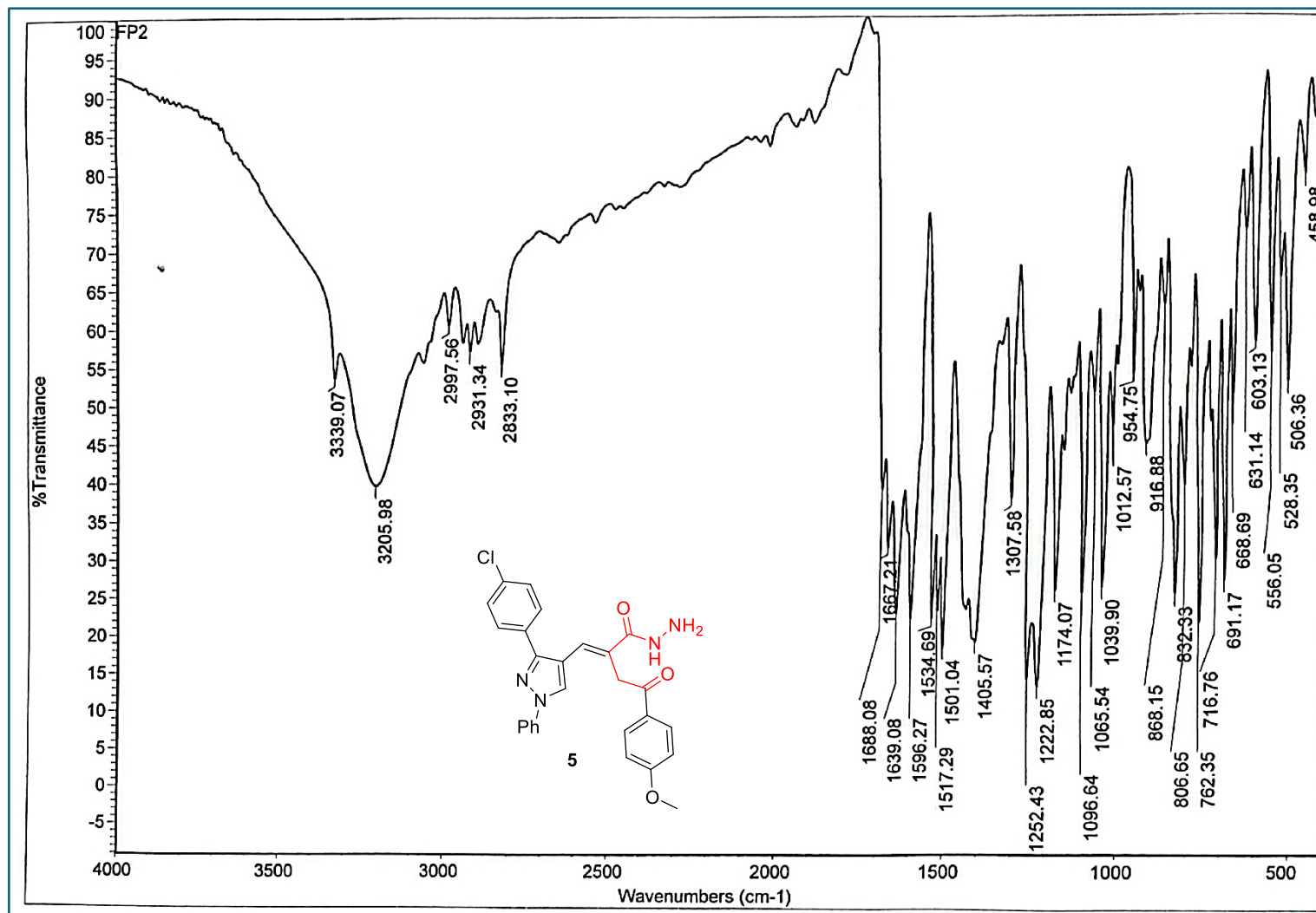
^1H NMR spectrum (DMSO- d_6) of compound 3



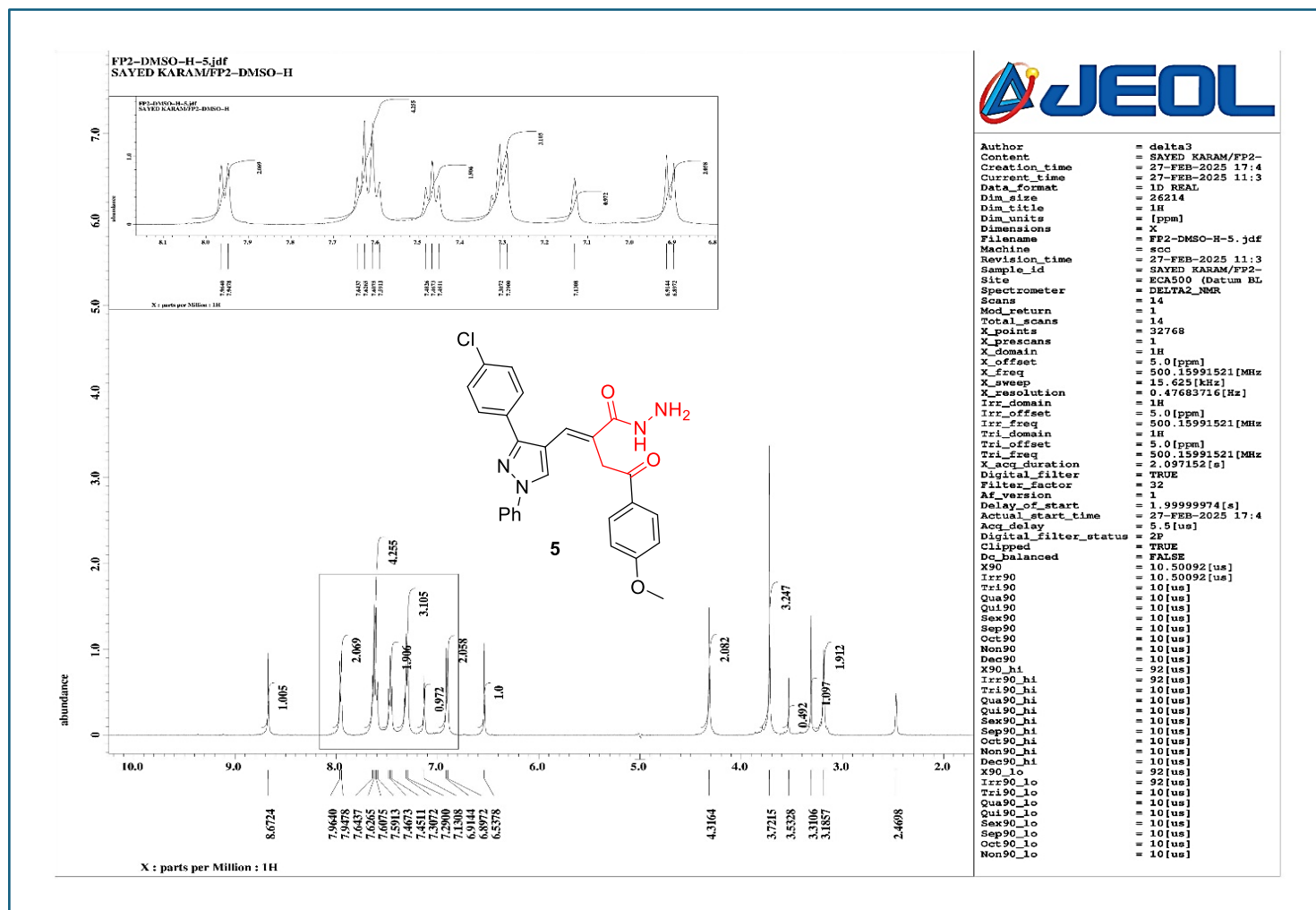
FT-IR spectrum of compound 4



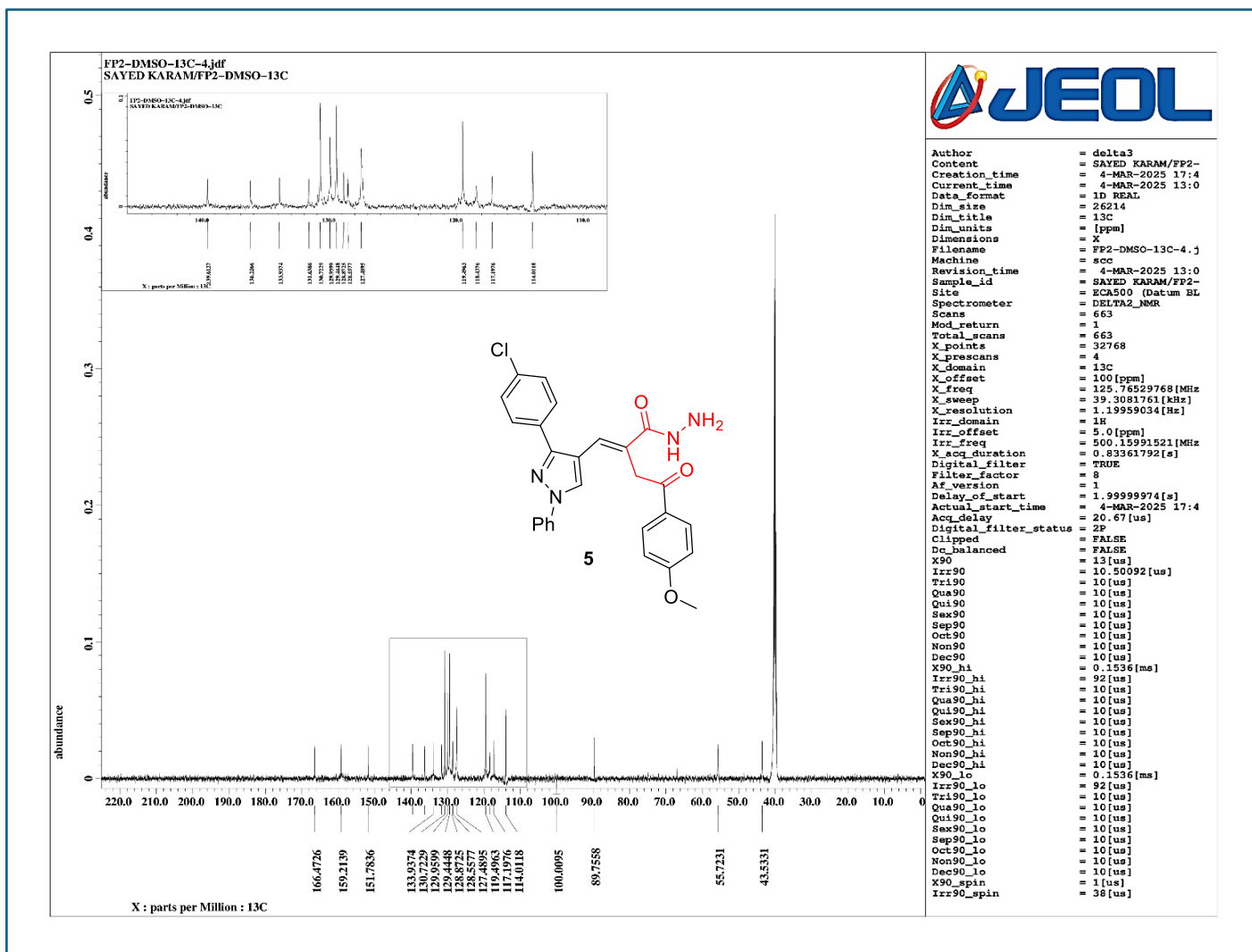
^{13}C NMR spectrum (DMSO- d_6) of compound 4



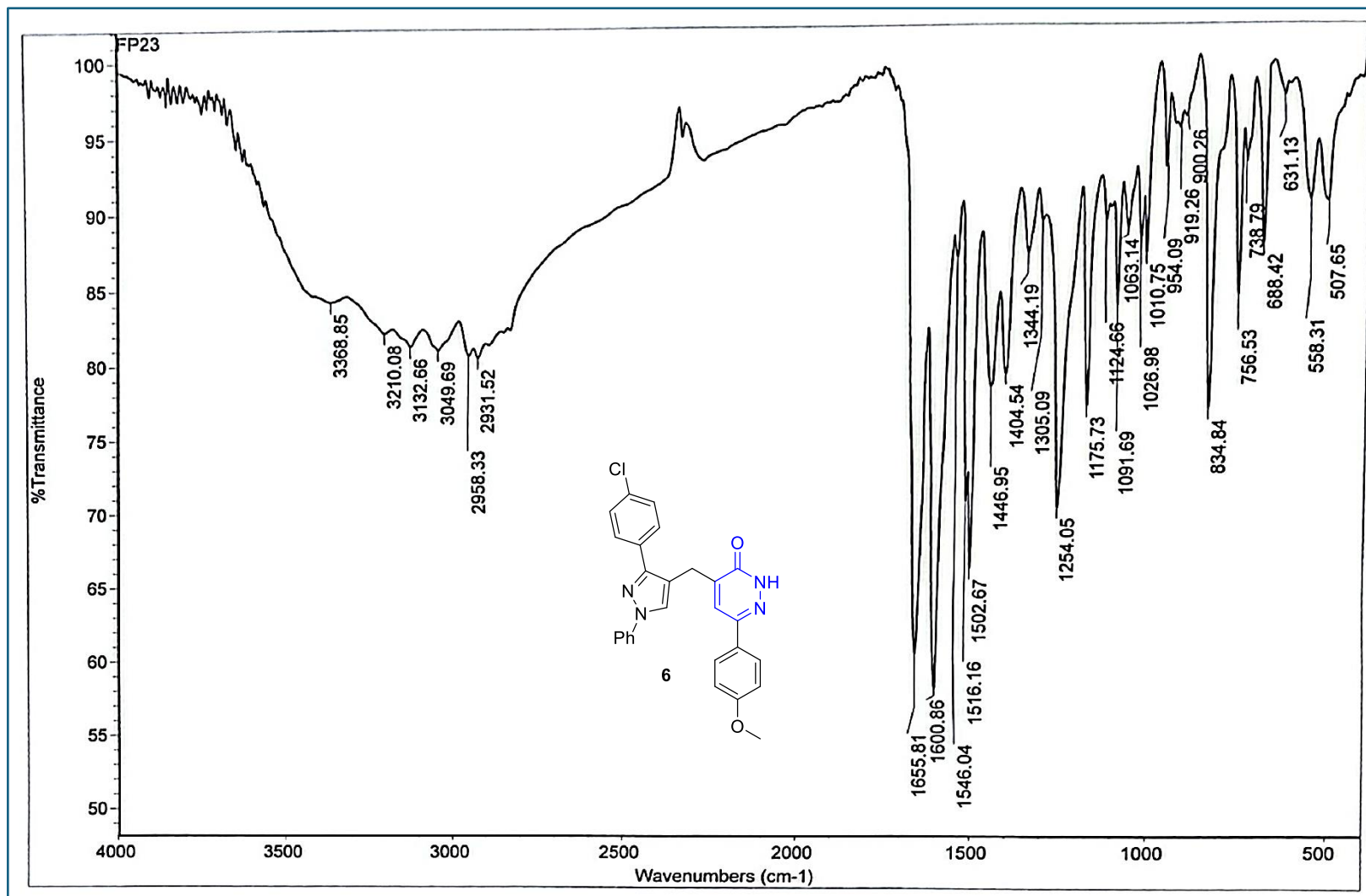
FT-IR spectrum of compound 5



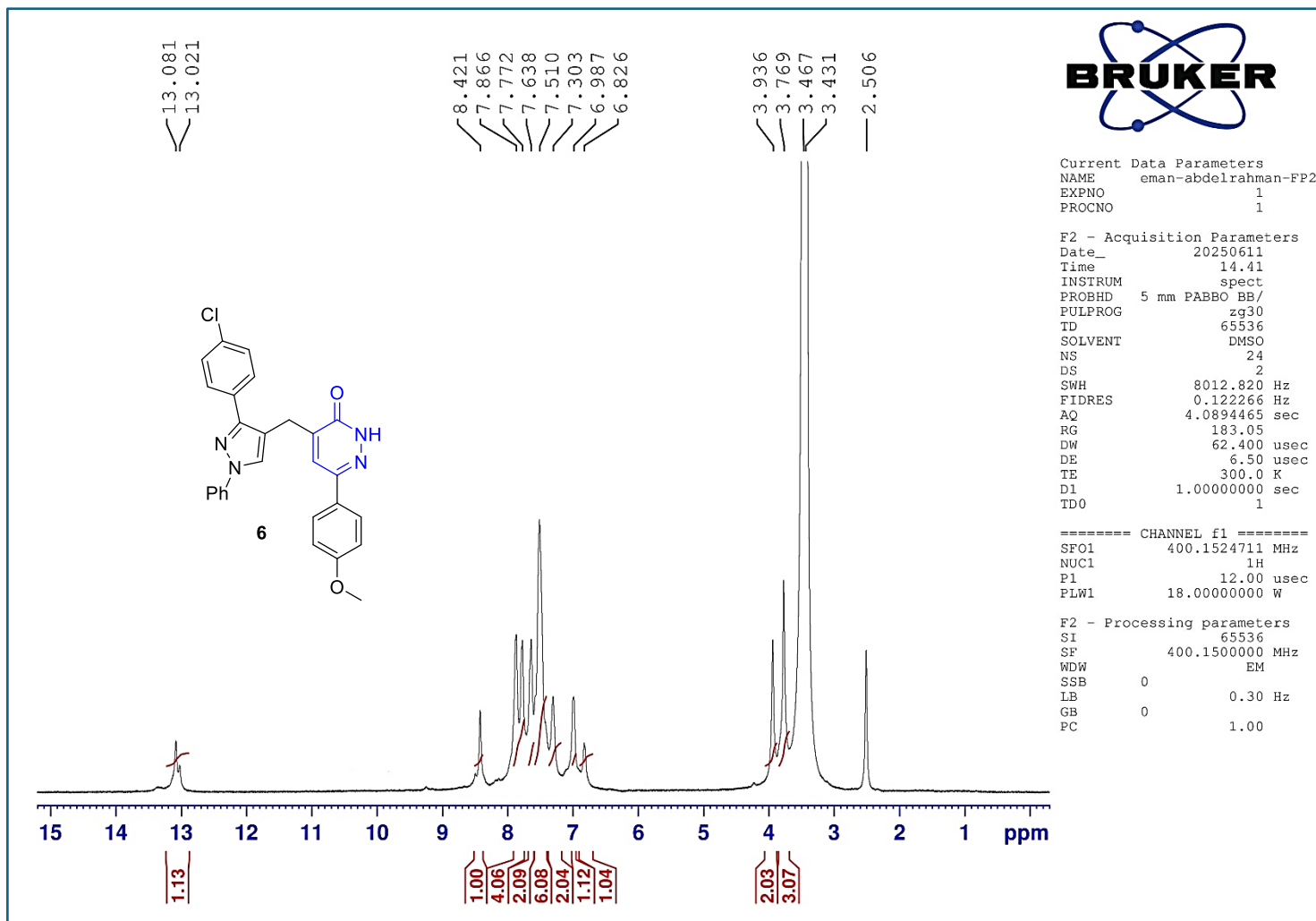
^1H NMR spectrum (DMSO- d_6) of compound 5



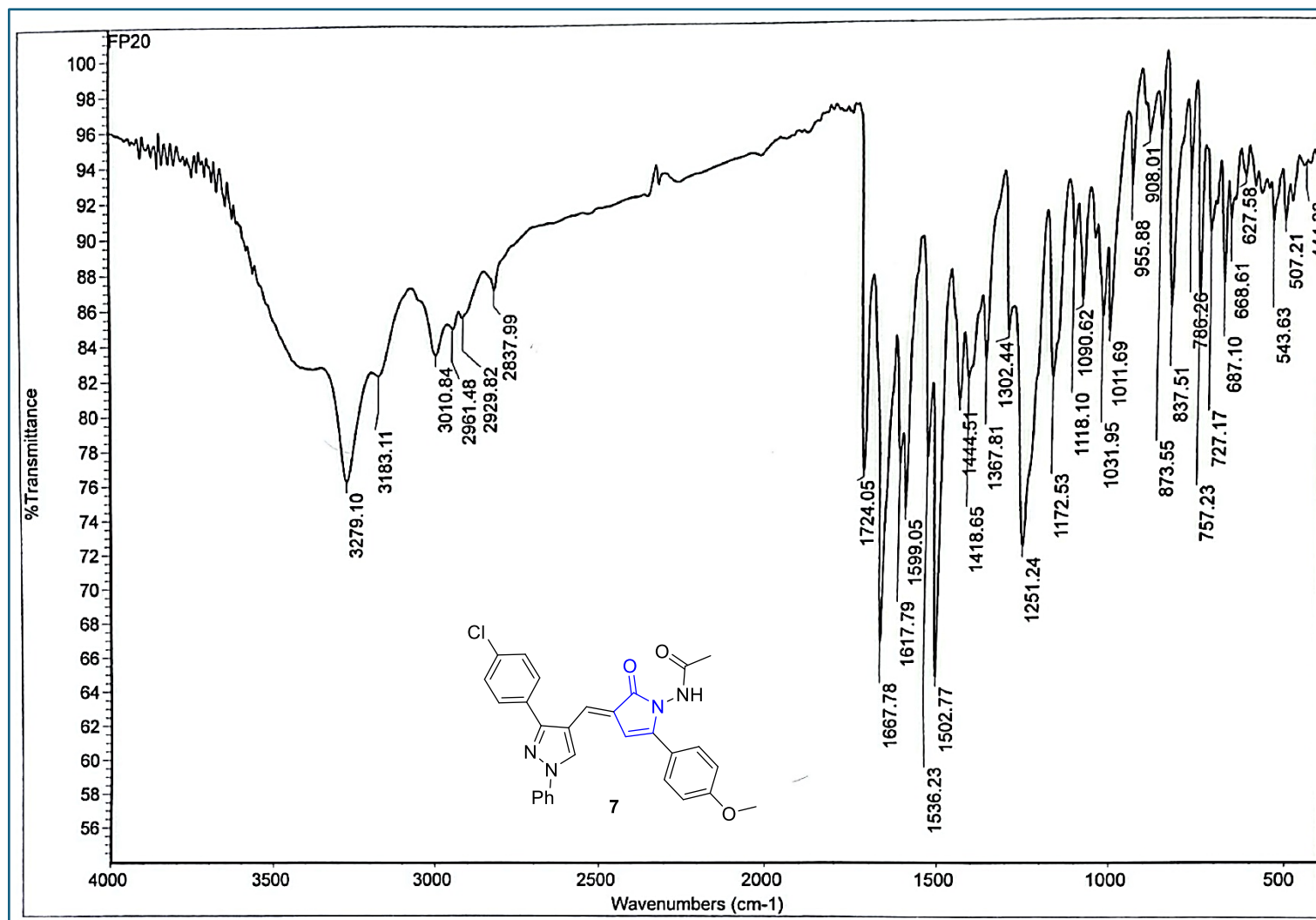
^{13}C NMR spectrum (DMSO- d_6) of compound 5



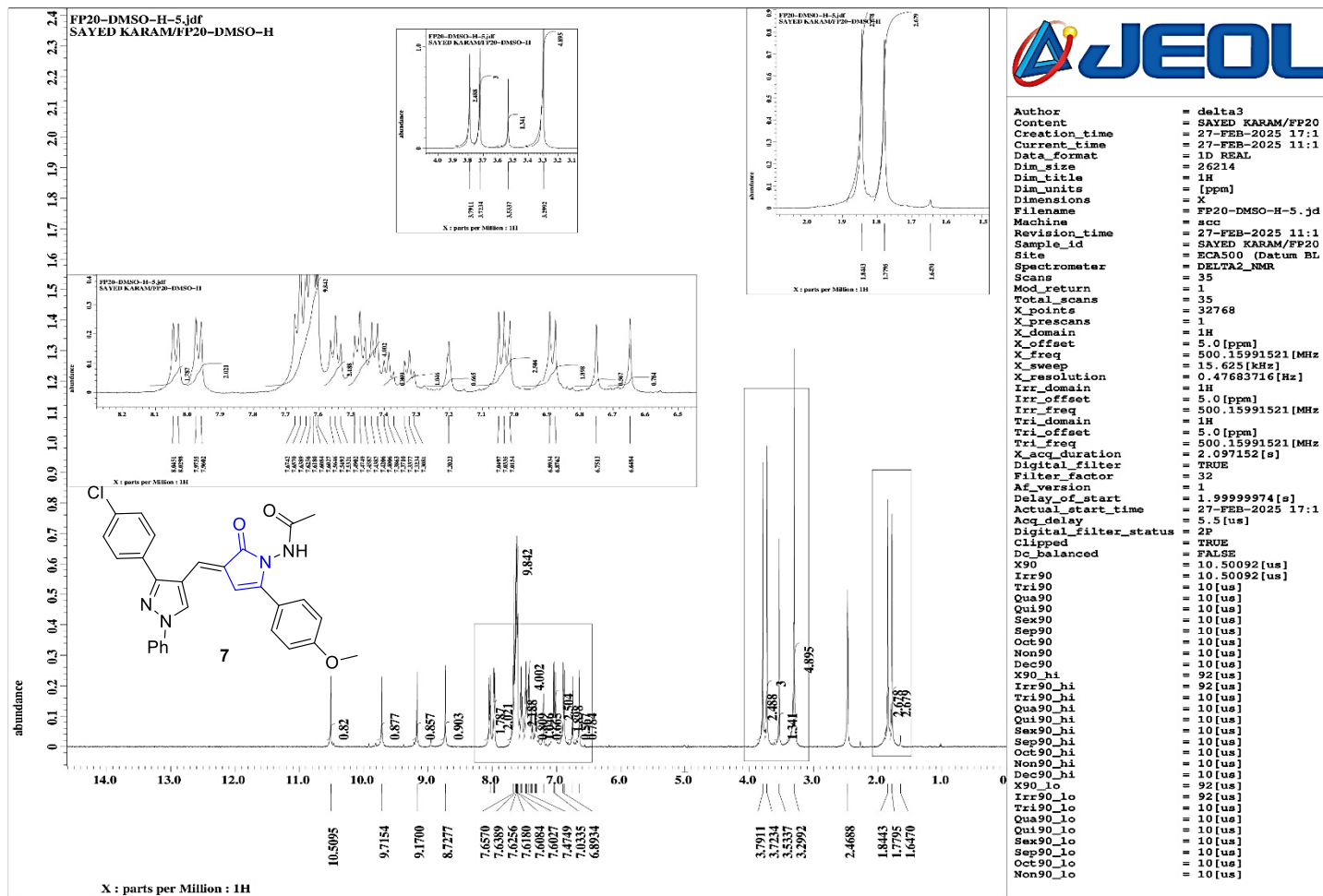
FT-IR spectrum of compound 6



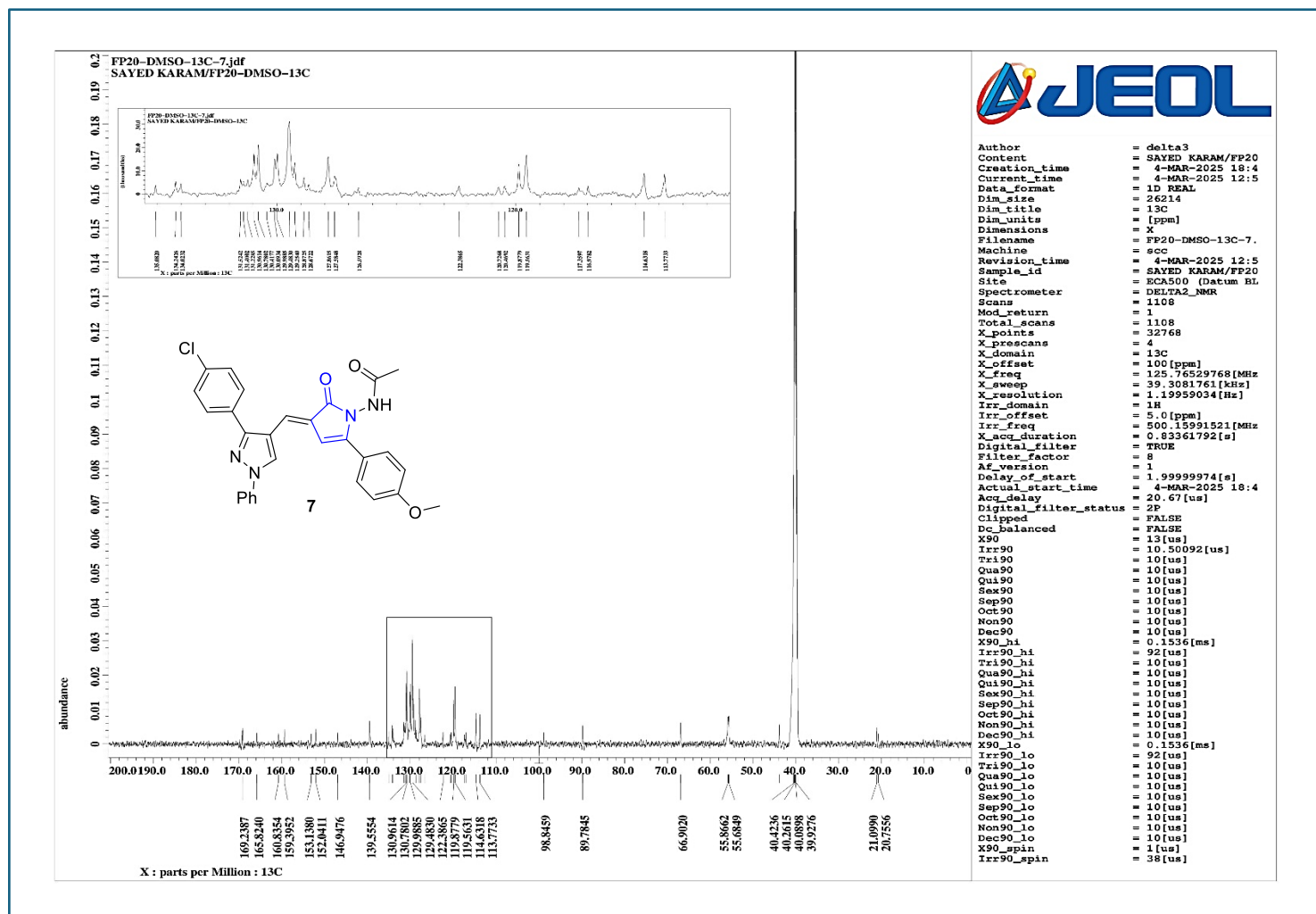
^1H NMR spectrum (DMSO- d_6) of compound 6



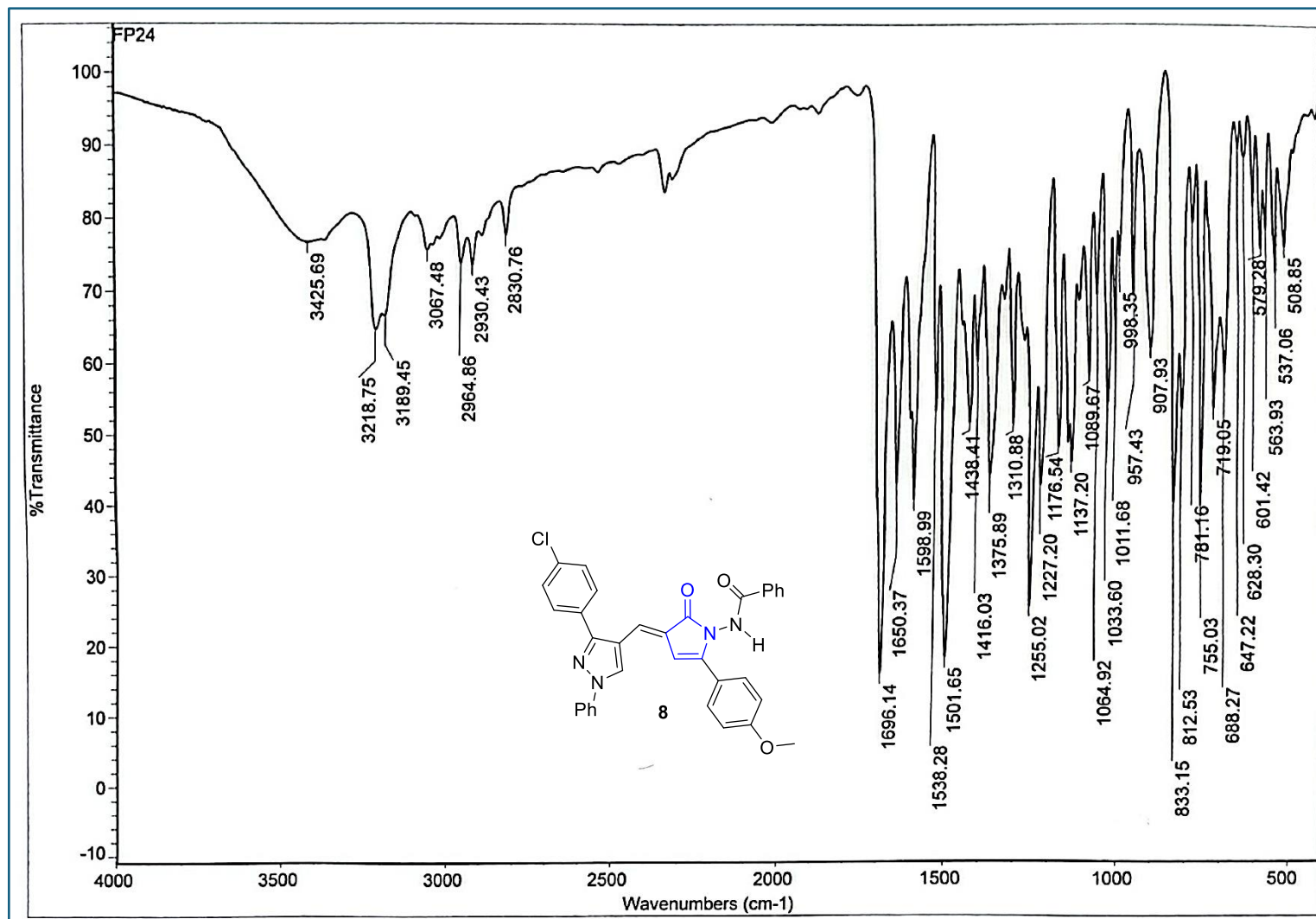
FT-IR spectrum of compound 7



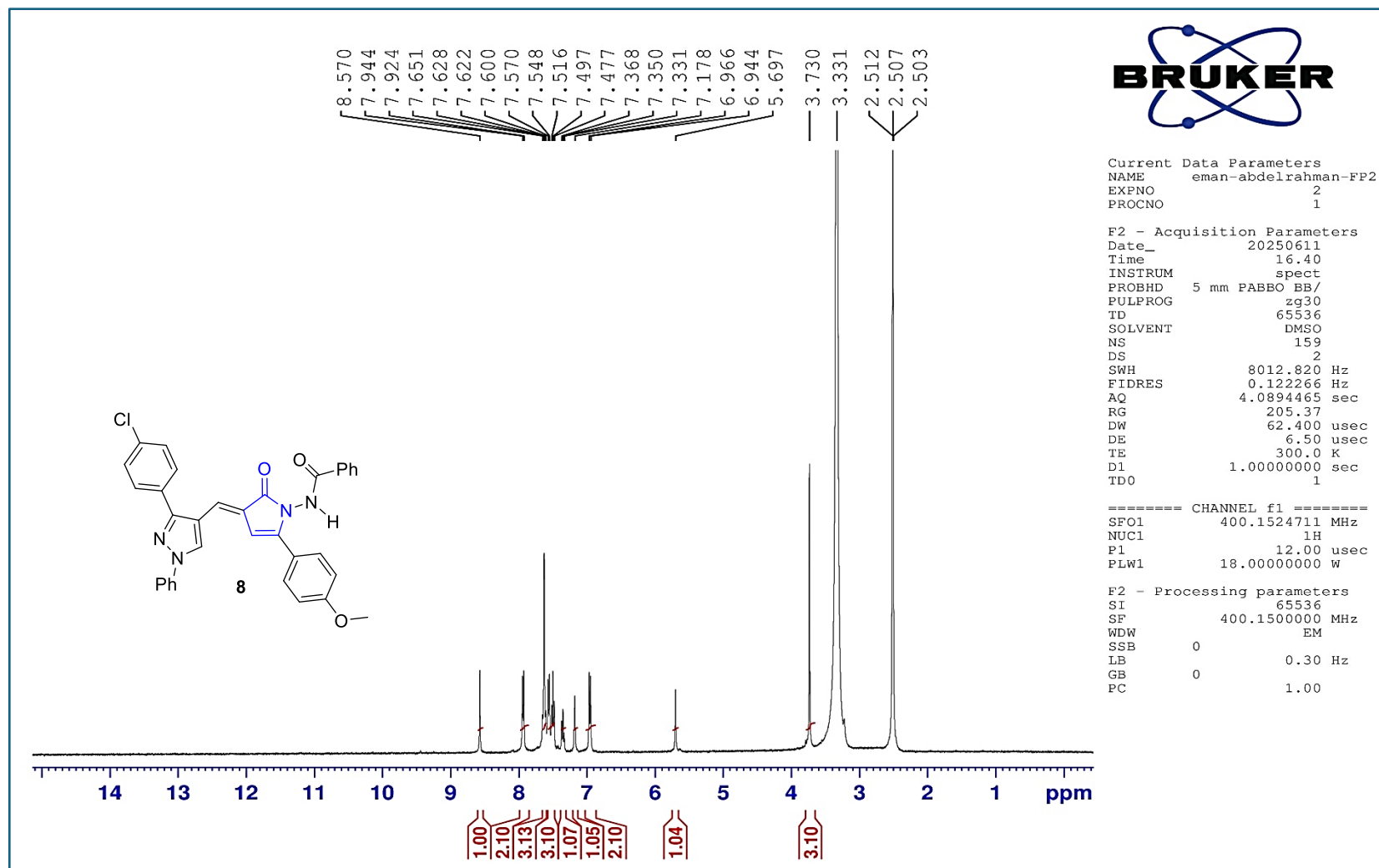
^1H NMR spectrum (DMSO- d_6) of compound 7



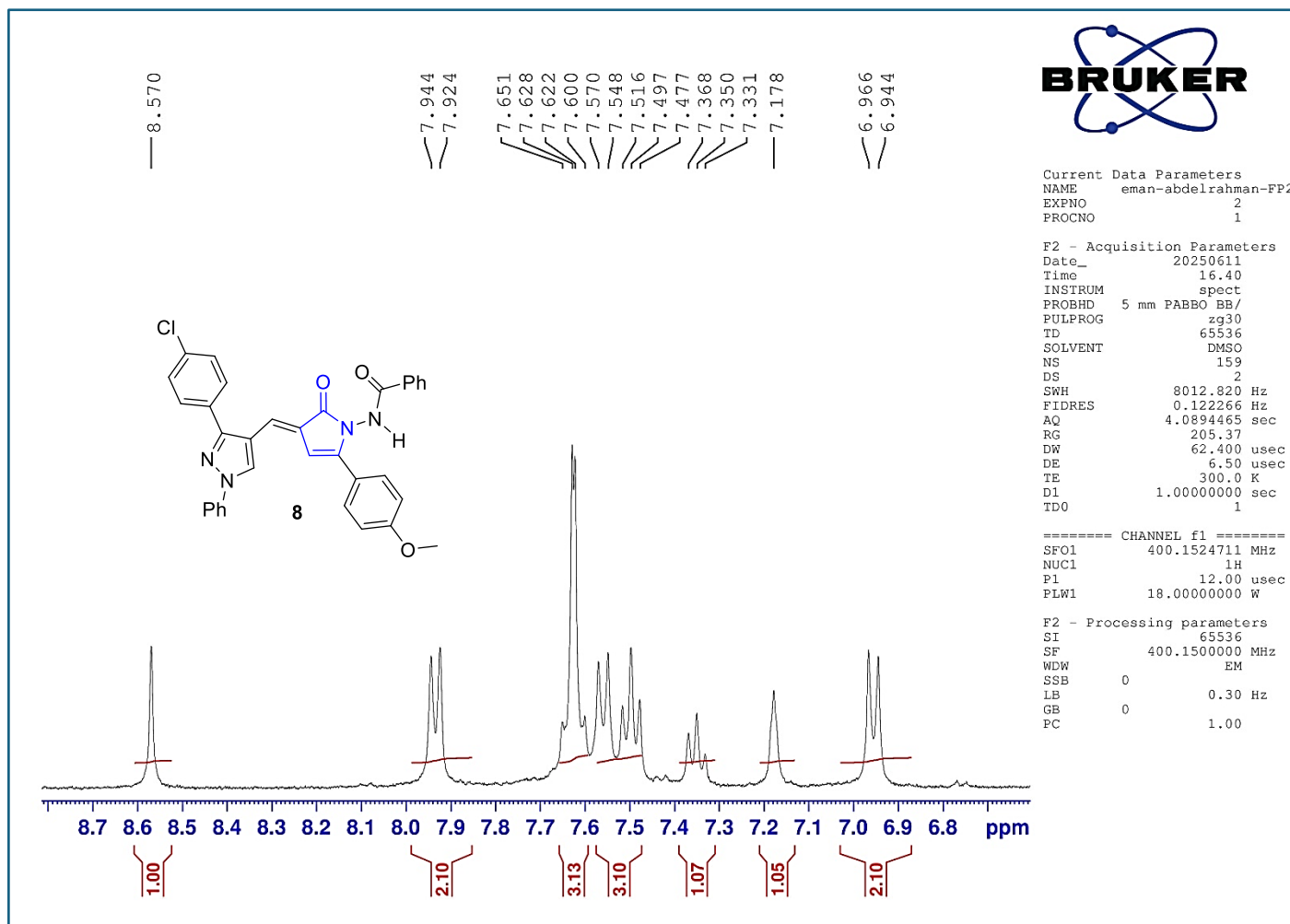
^{13}C NMR spectrum (DMSO- d_6) of compound 7



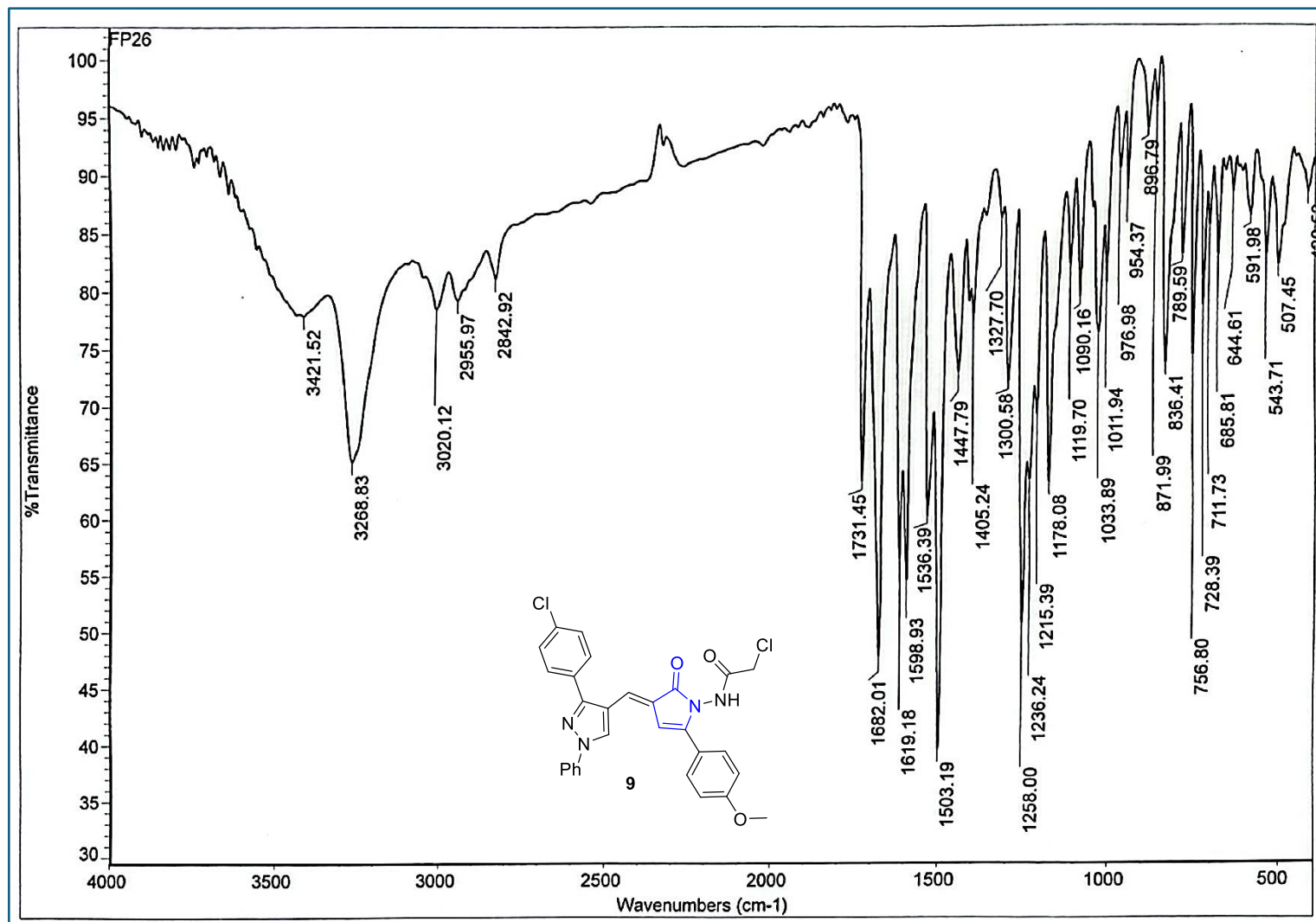
FT-IR spectrum of compound 8



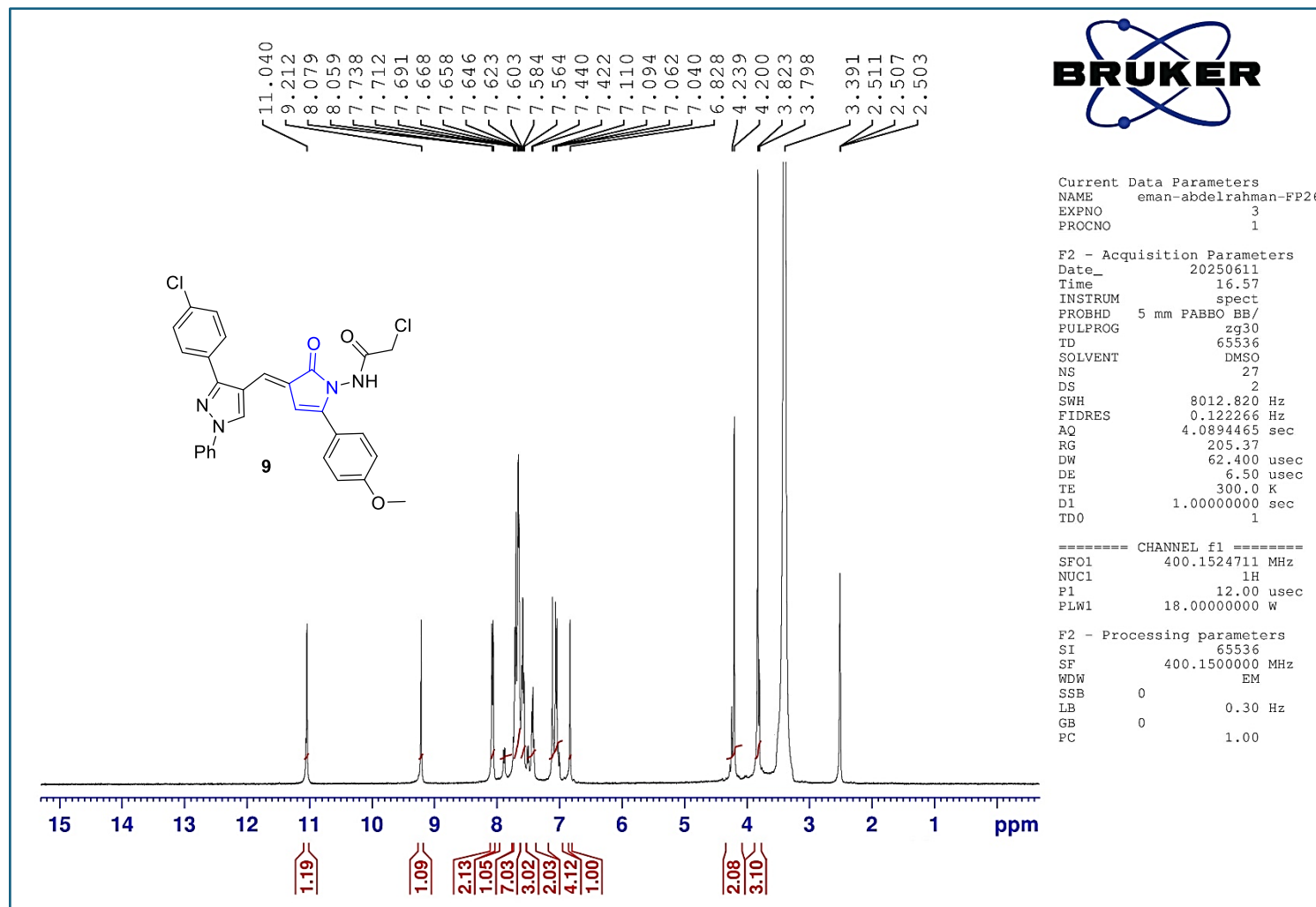
¹H NMR spectrum (DMSO-*d*₆) of compound 8



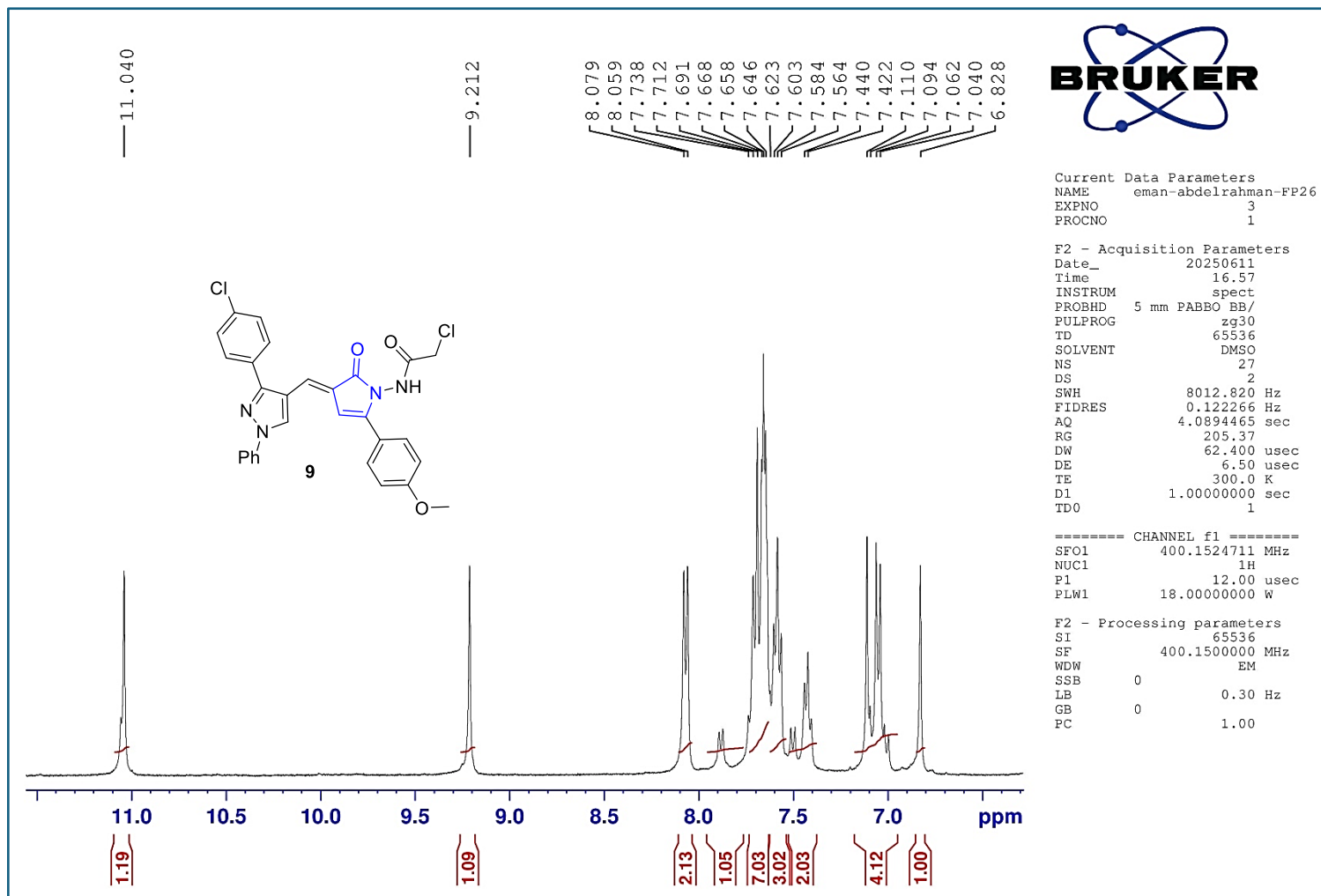
Cont. ^1H NMR spectrum ($\text{DMSO-}d_6$) of compound 8



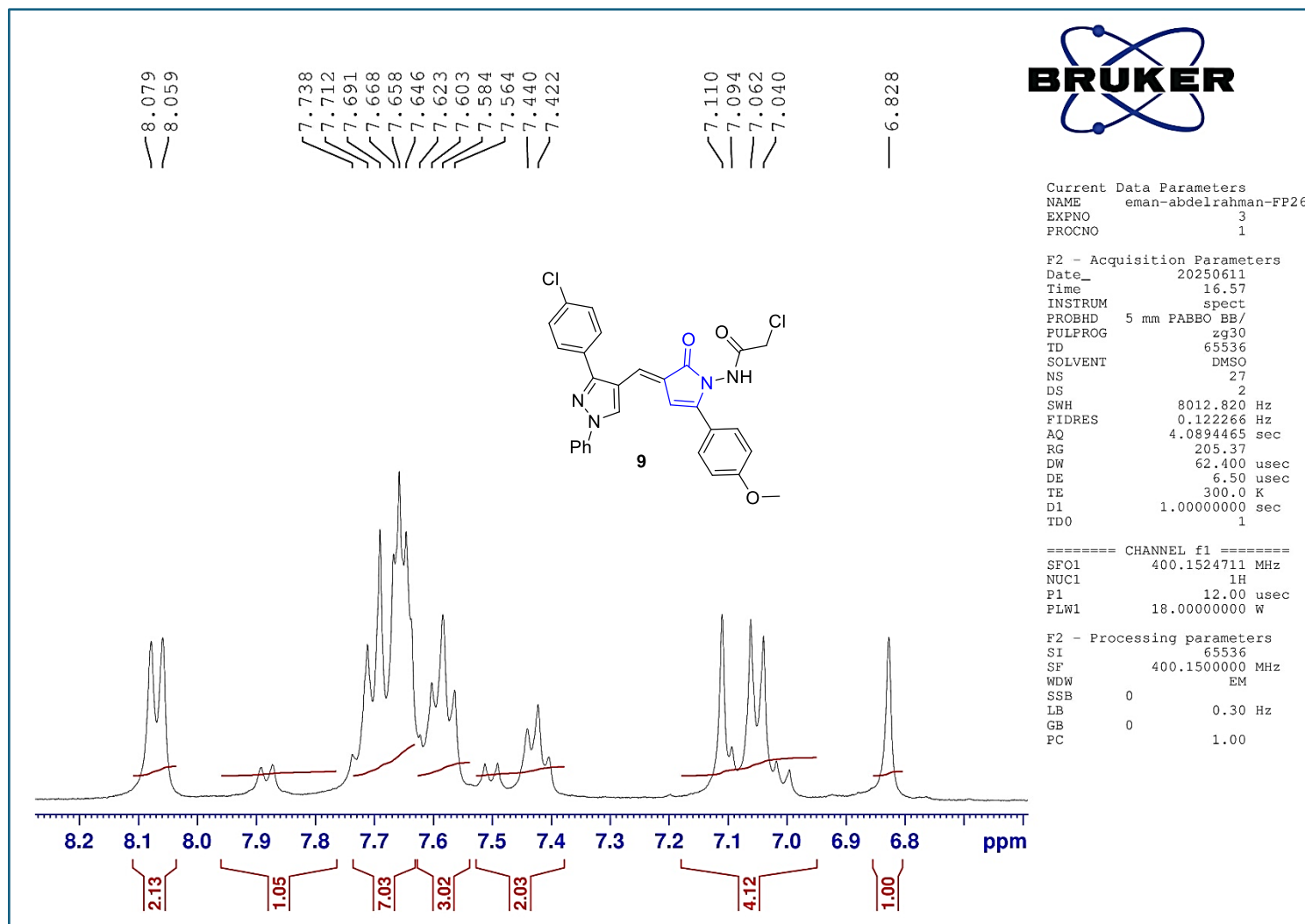
FT-IR spectrum of compound 9



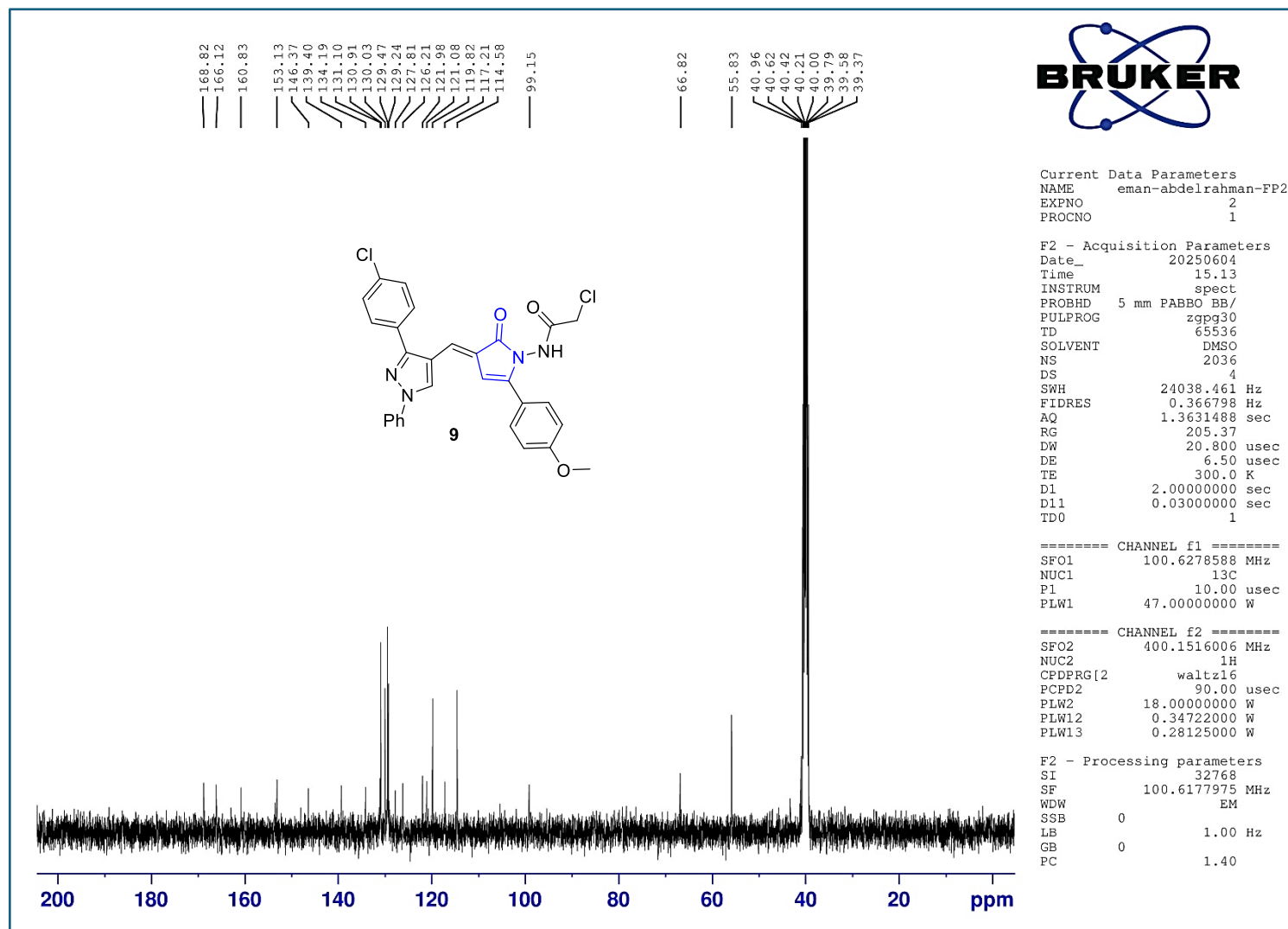
¹H NMR spectrum (DMSO-*d*₆) of compound 9



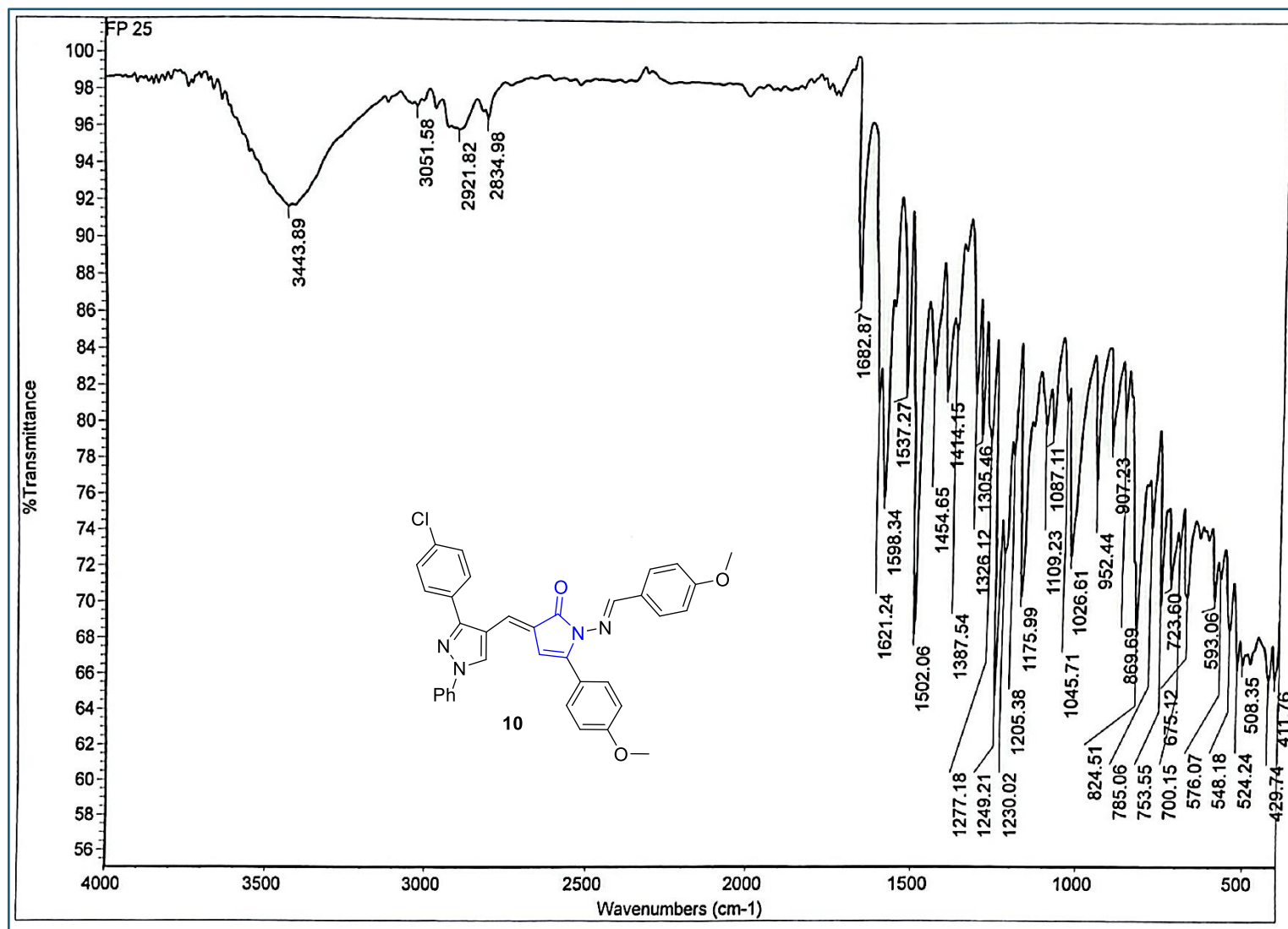
Cont. ^1H NMR spectrum (DMSO- d_6) of compound 9



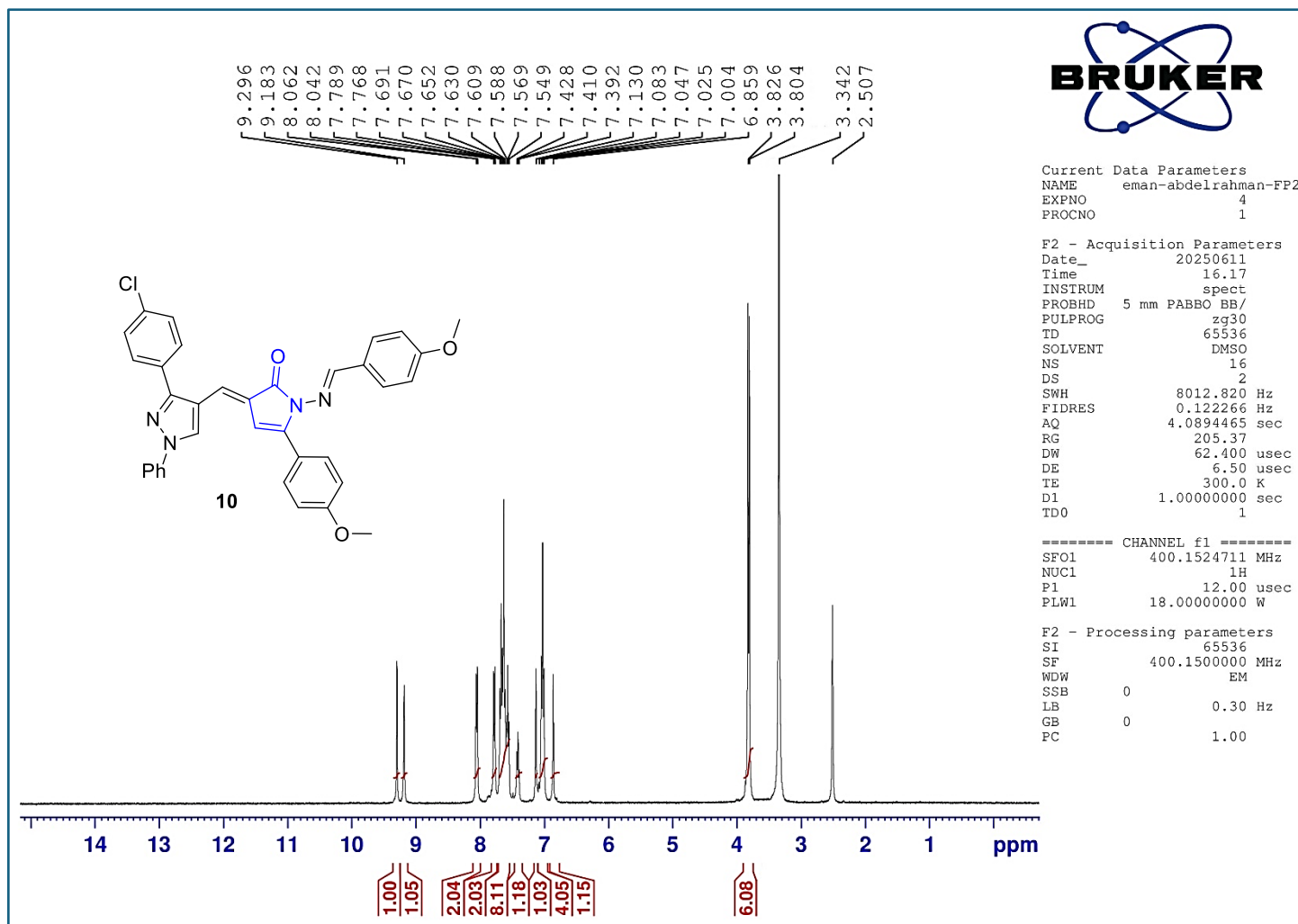
Cont. ^1H NMR spectrum (DMSO- d_6) of compound 9



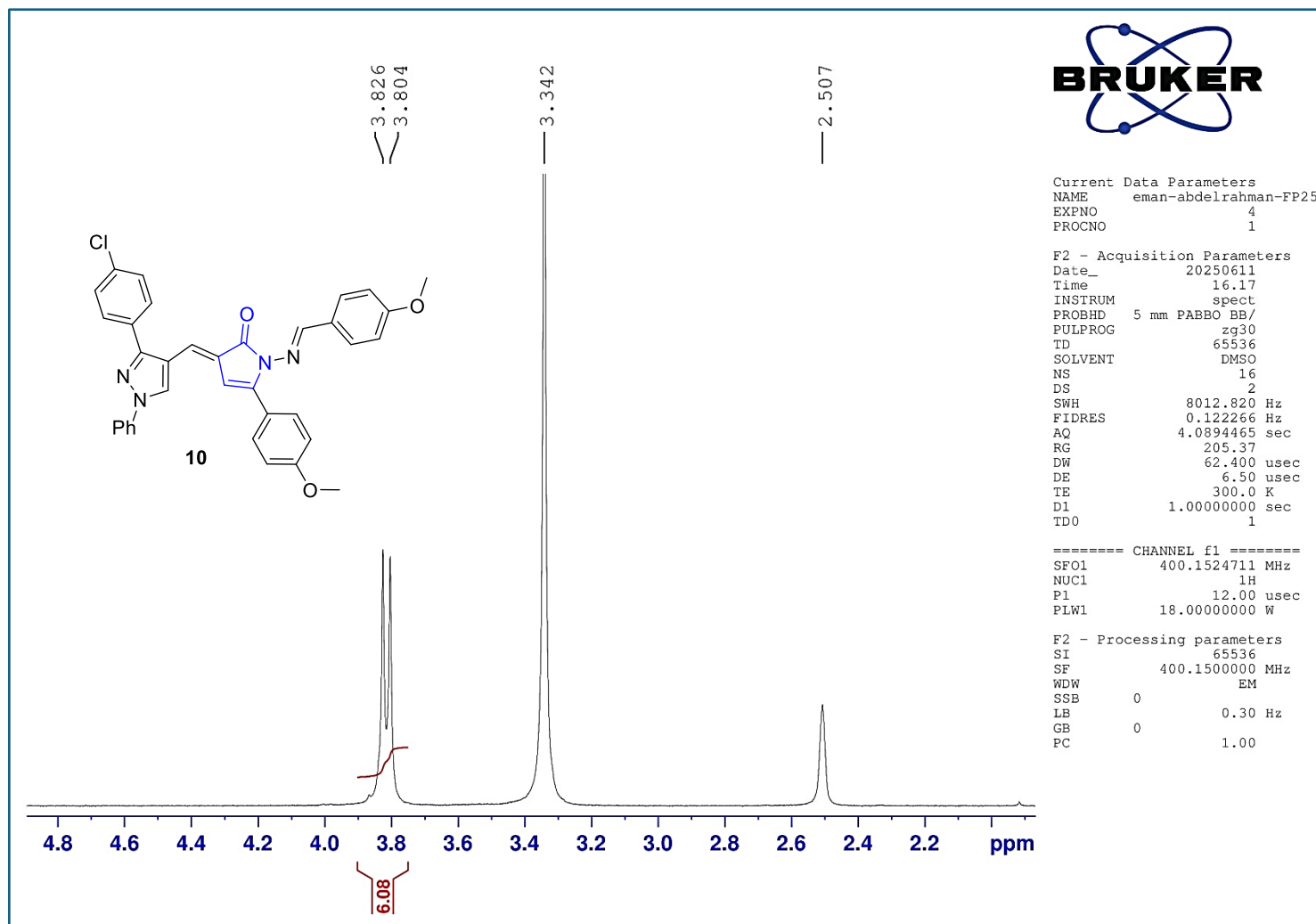
^{13}C NMR spectrum (DMSO- d_6) of compound 9



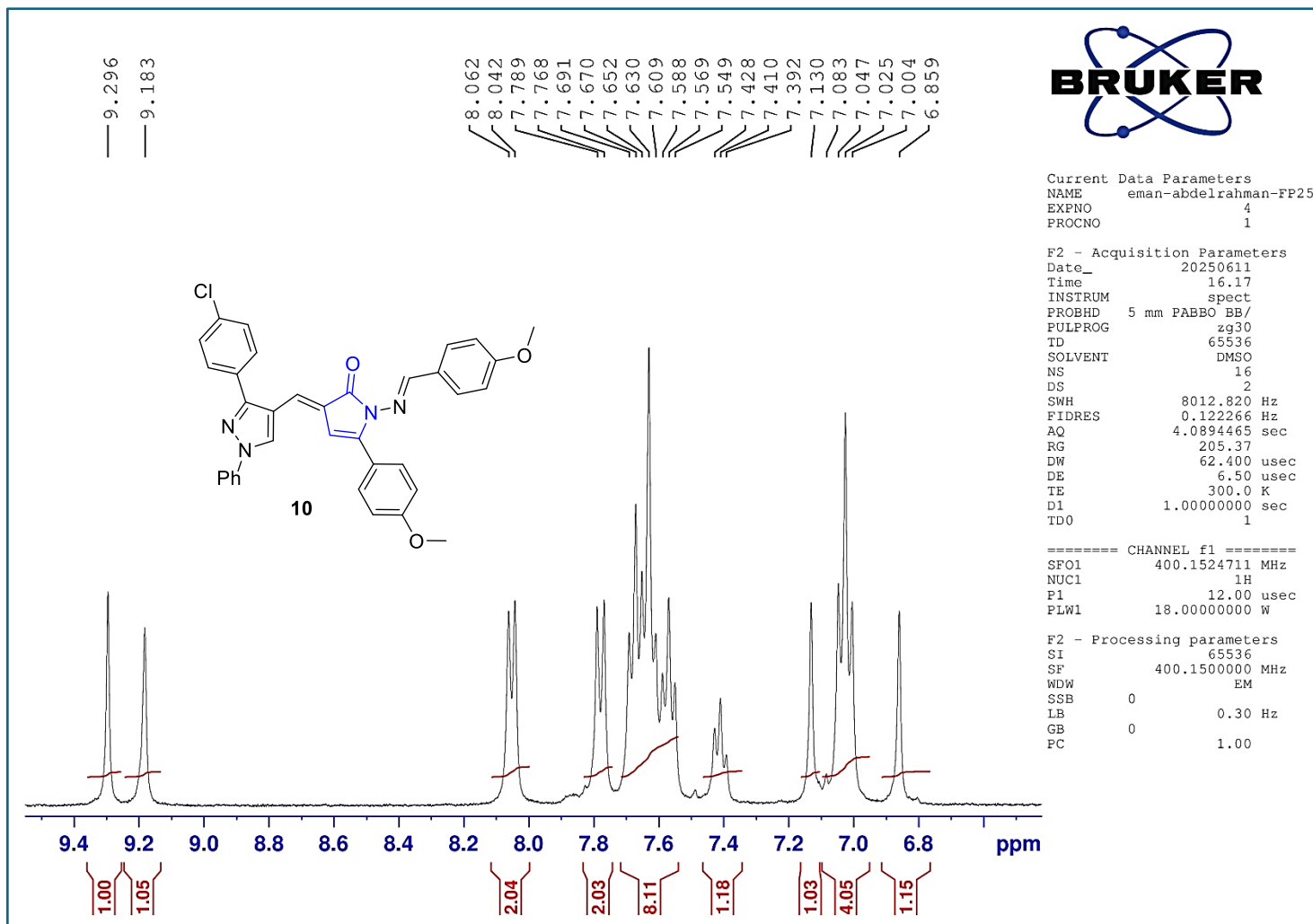
FT-IR spectrum of compound 10



¹H NMR spectrum (DMSO-*d*₆) of compound 10



Cont. ^1H NMR spectrum (DMSO- d_6) of compound 10



Cont. ¹H NMR spectrum (DMSO-*d*₆) of compound 10