

Spectral Analysis

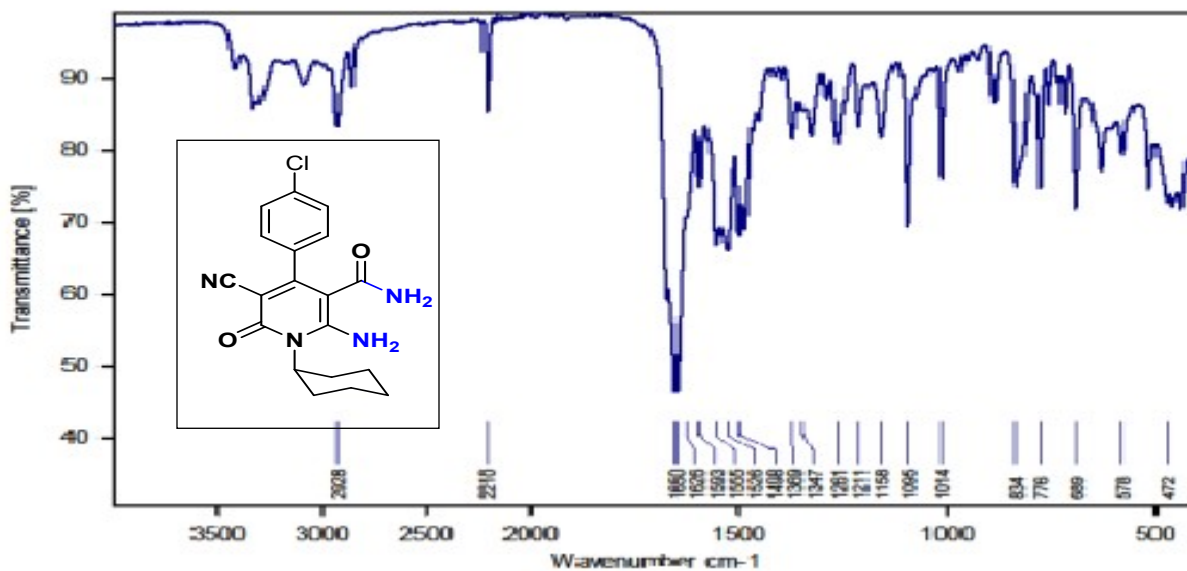


Fig. (1): IR spectrum of compound 2.

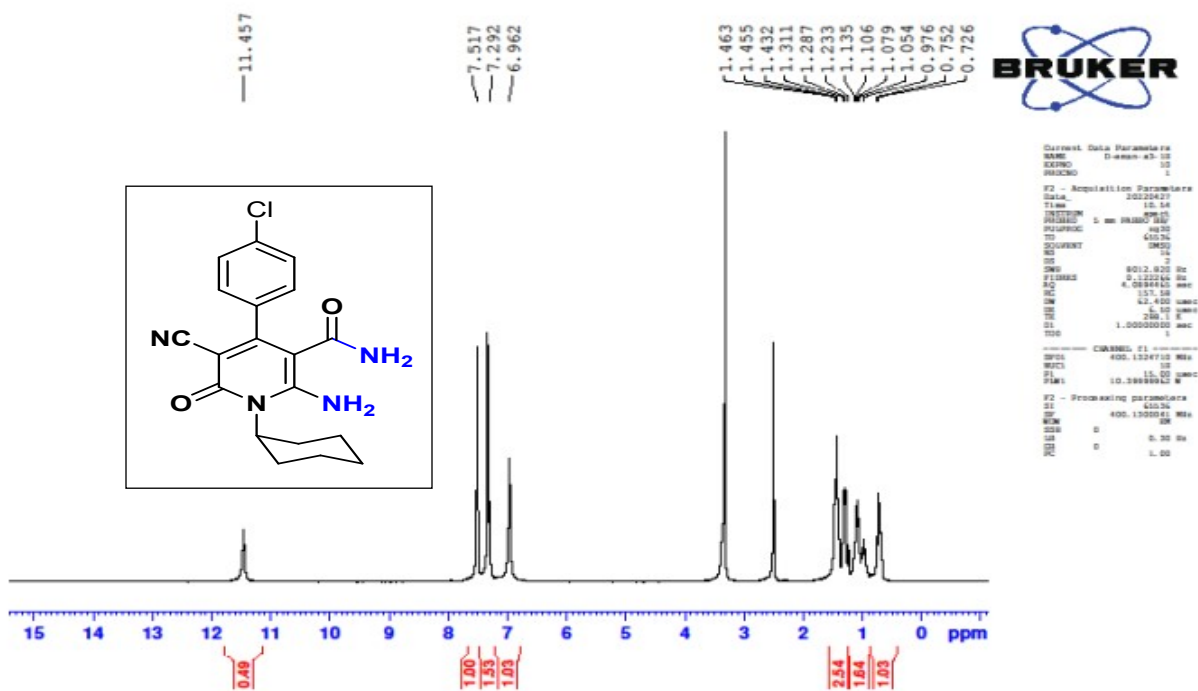


Fig. (2): ¹H NMR spectrum of compound 2.

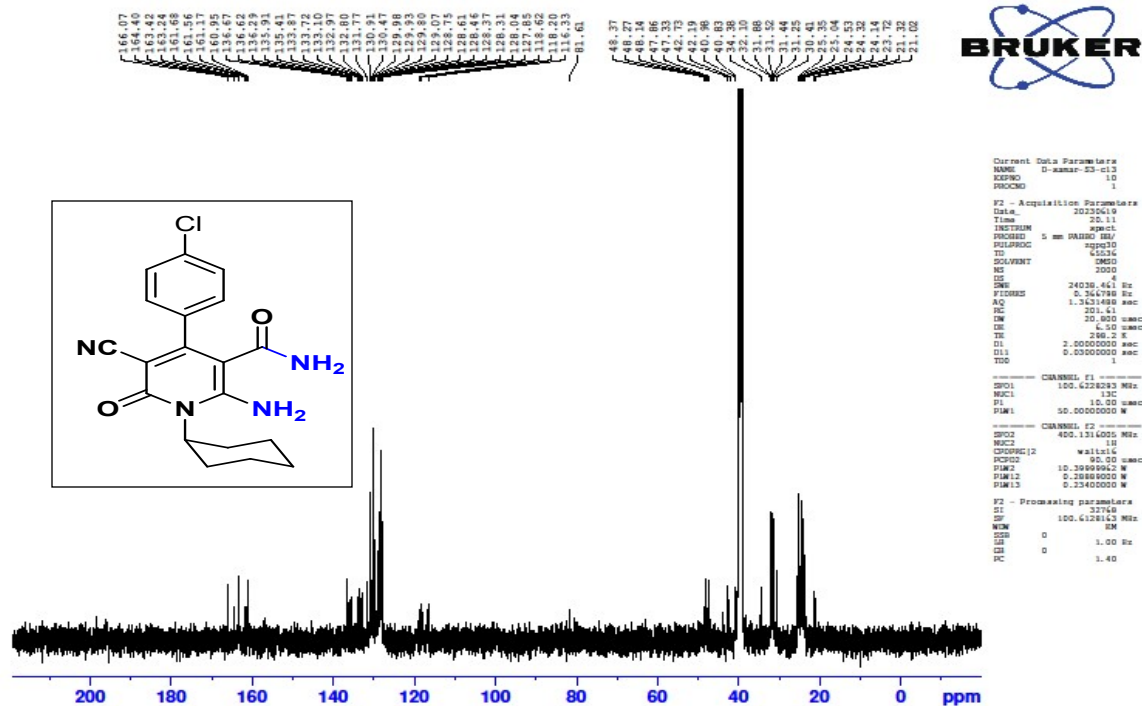


Fig. (3): ^{13}C NMR spectrum of compound 2.

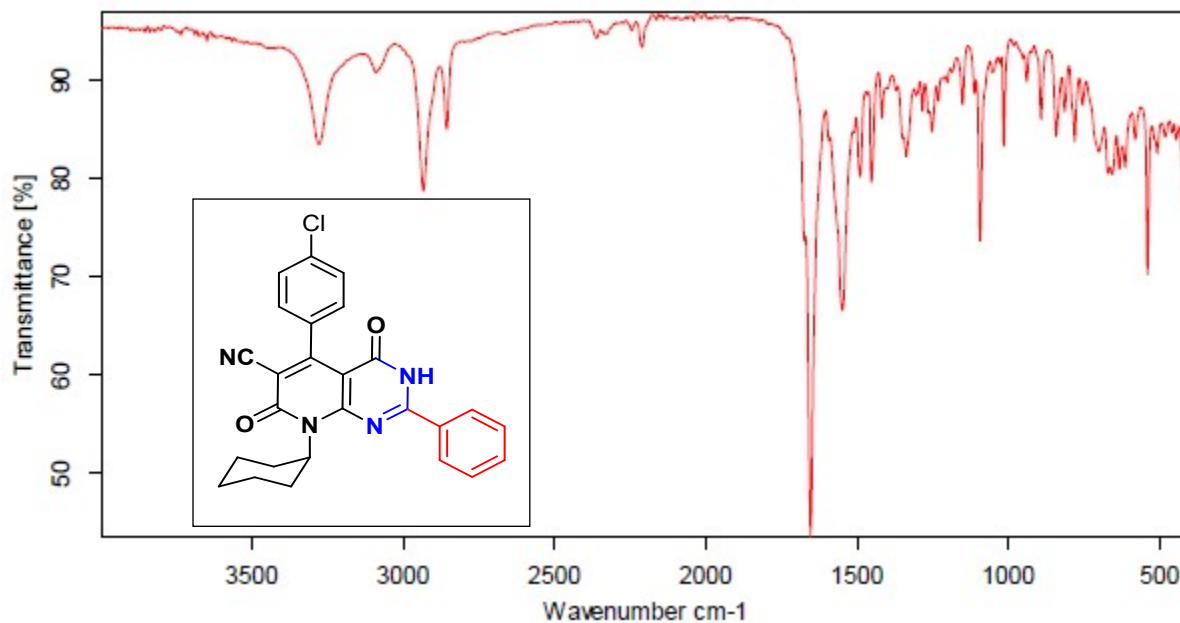


Fig. (4): IR spectrum of compound 3.

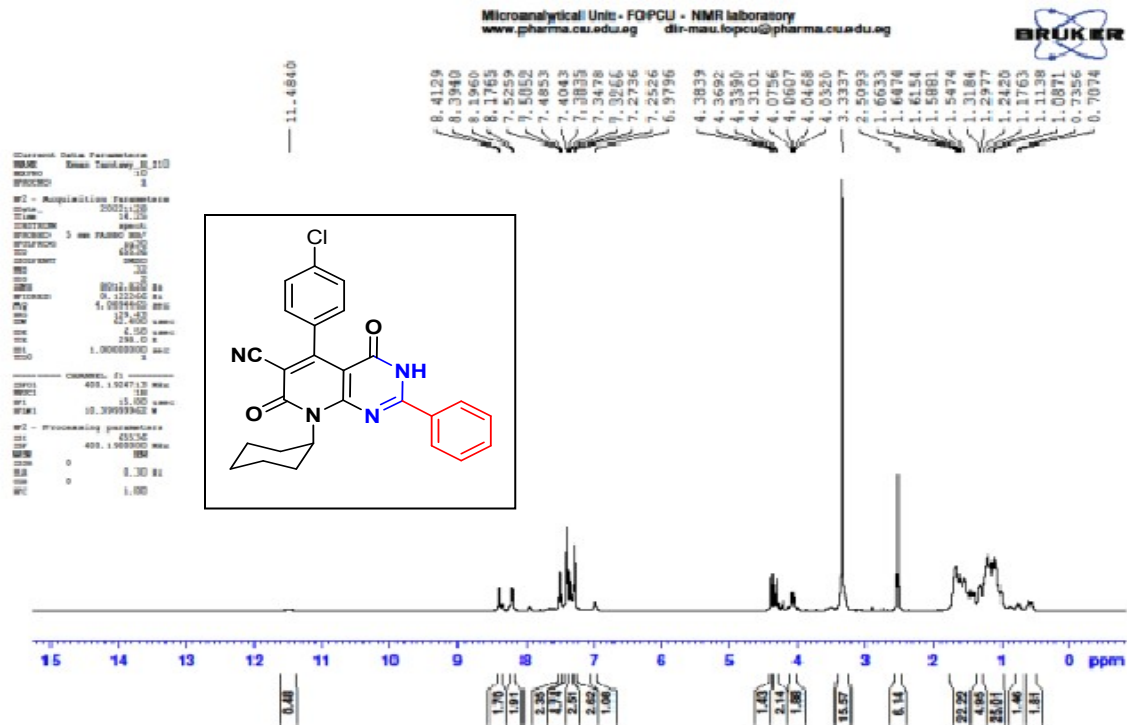


Fig. (5): ¹H NMR spectrum of compound 3.

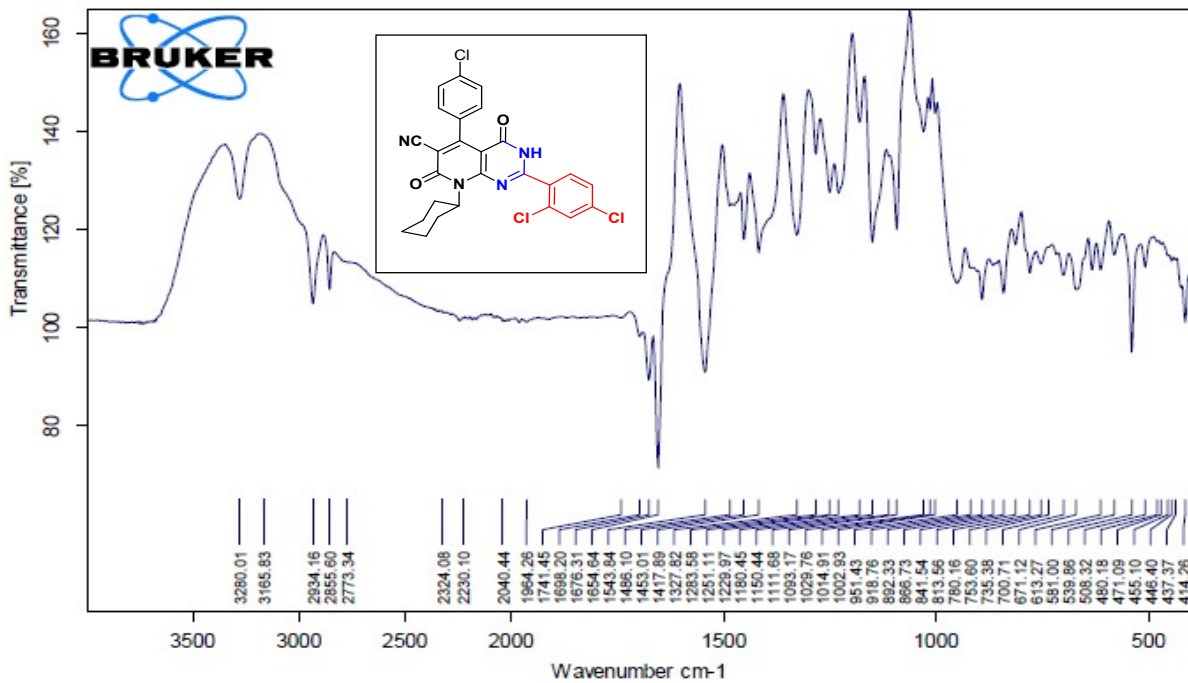


Fig. (6): IR spectrum of compound 4.

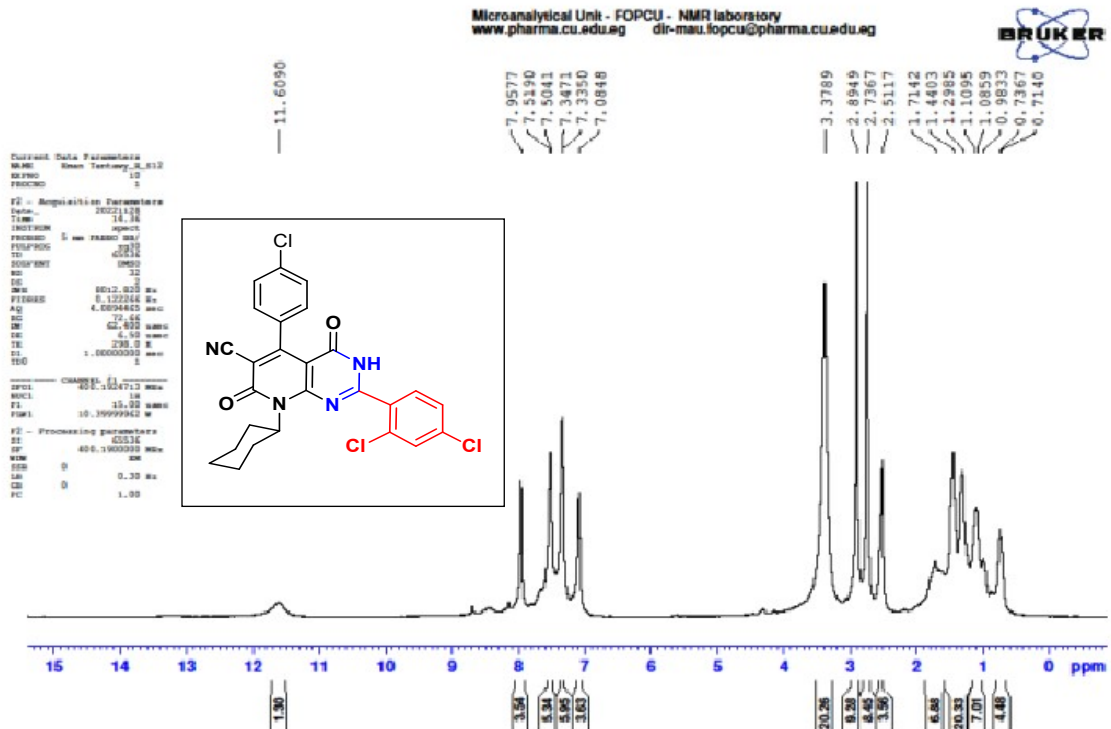


Fig. (7): ¹H NMR spectrum of compound 4.

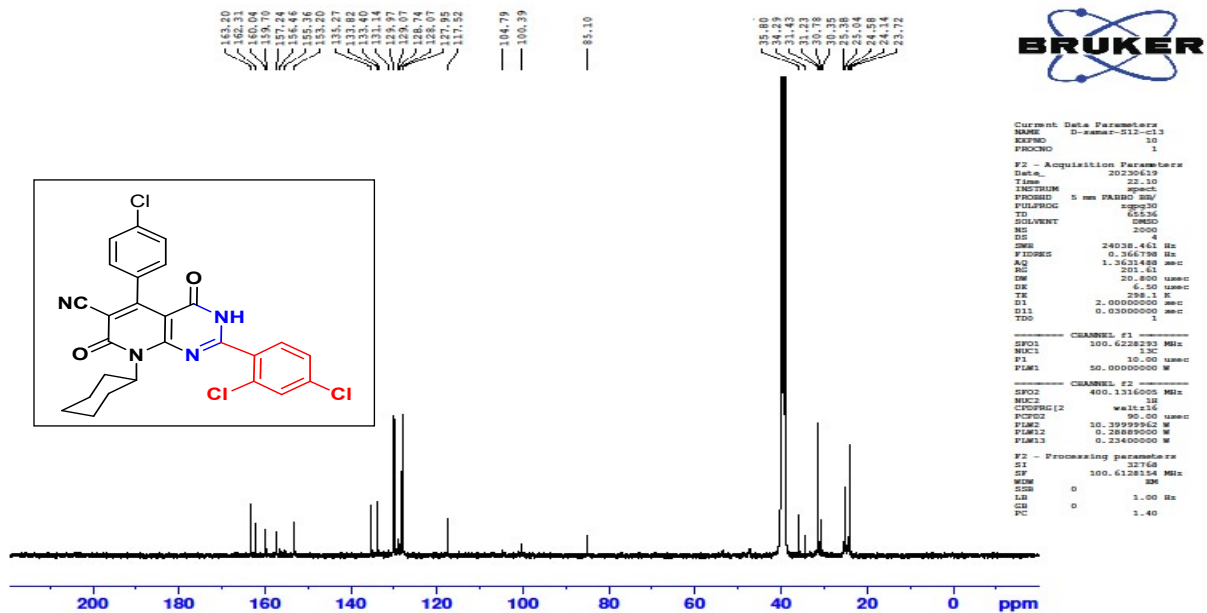


Fig. (8): ¹³C NMR spectrum of compound 4.

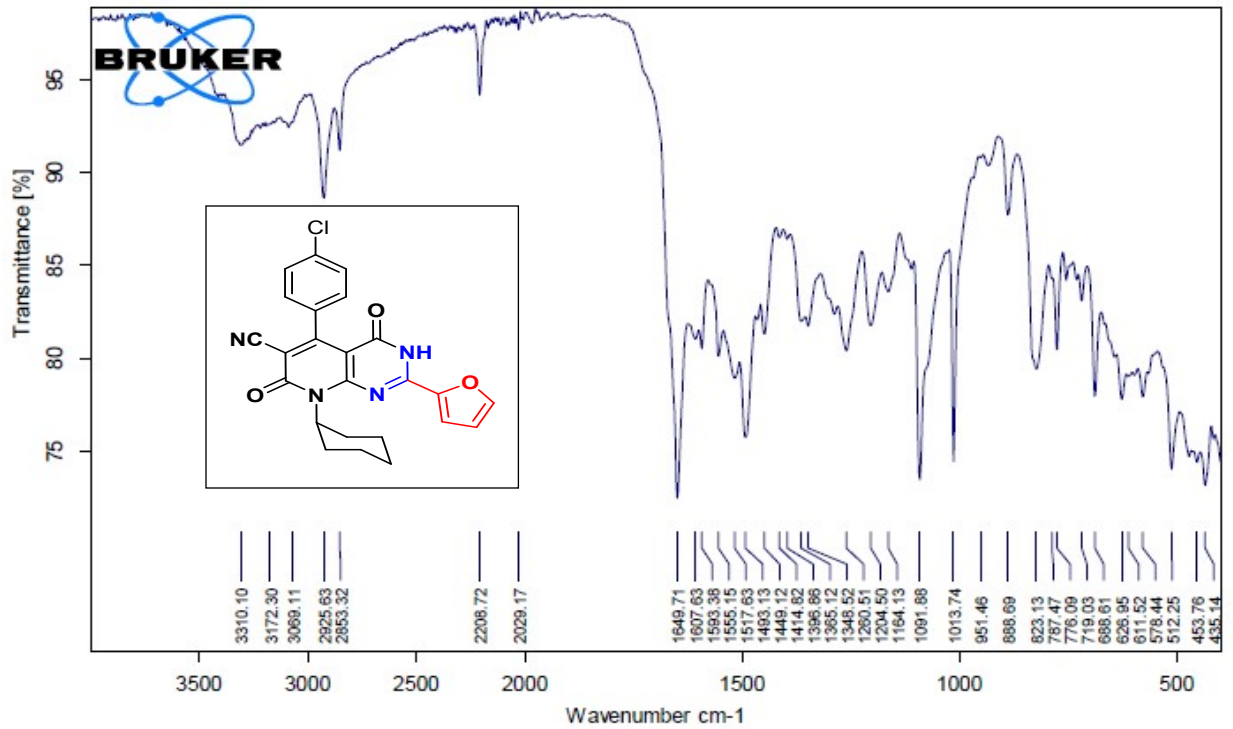


Fig. (9): IR spectrum of compound 5.

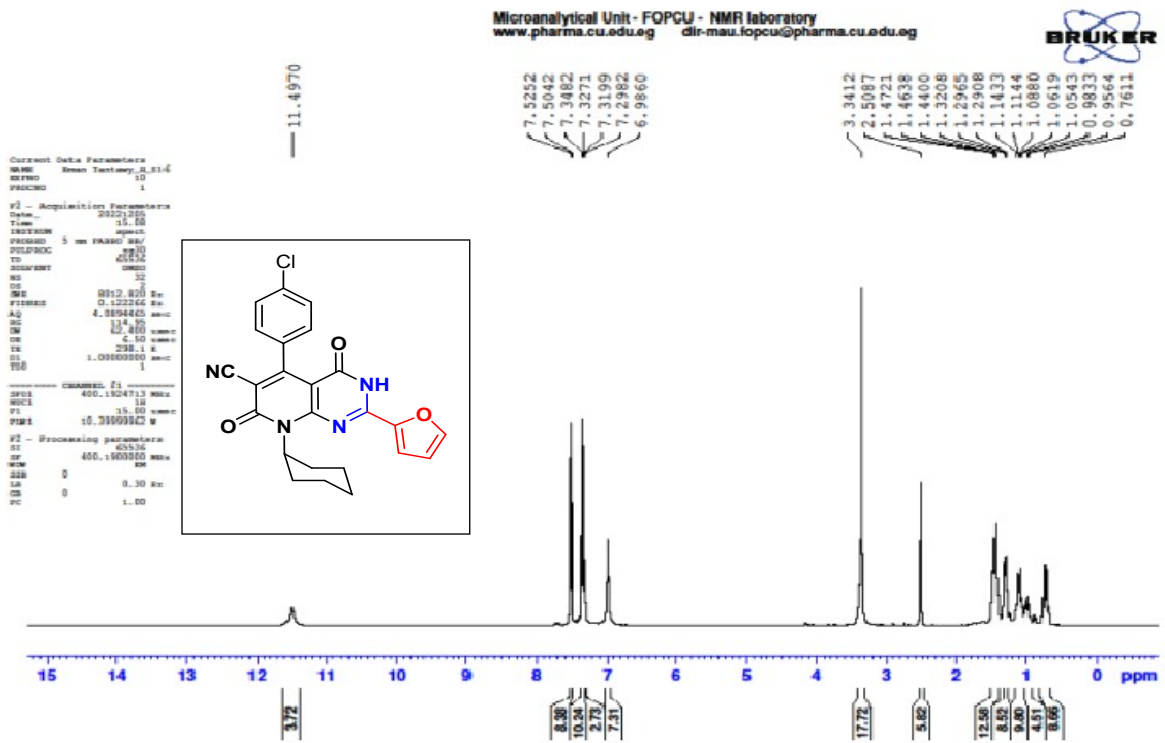


Fig. (10): ¹H NMR spectrum of compound 5.

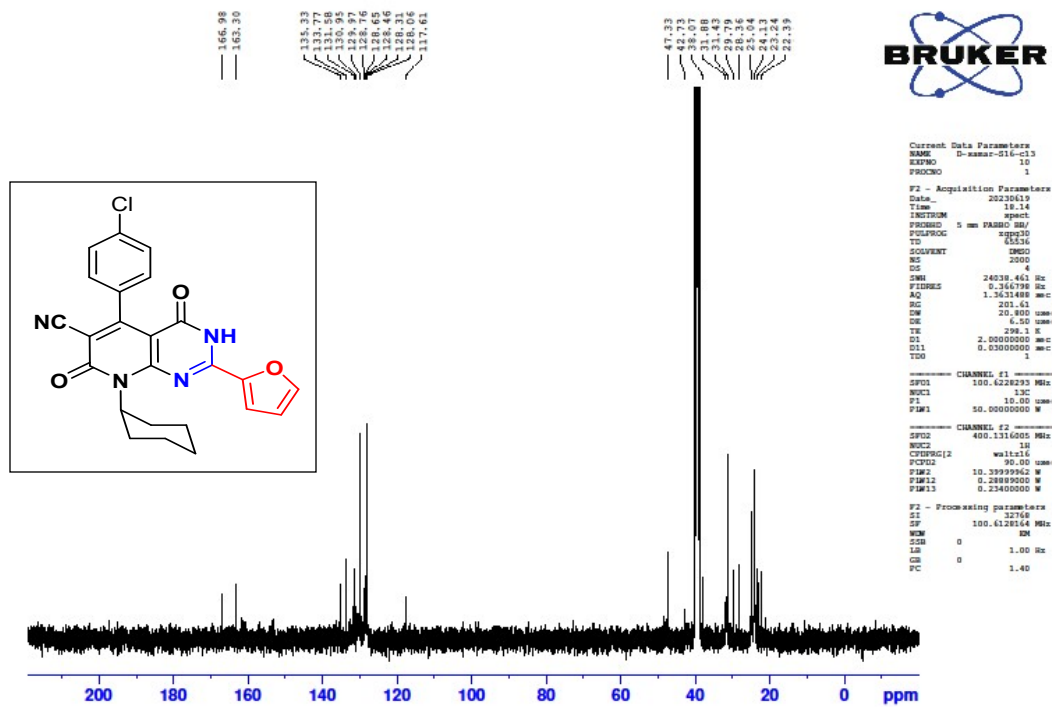


Fig. (11): ¹³C NMR spectrum of compound 5.

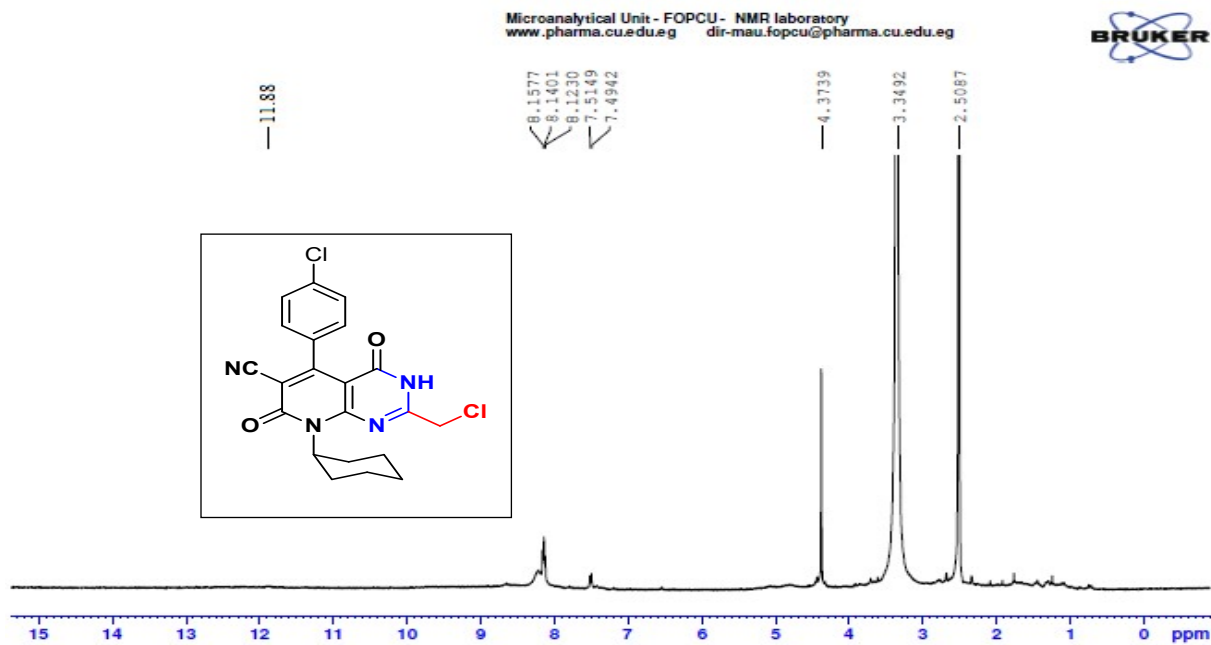


Fig. (12): ¹H NMR spectrum of compound 6.

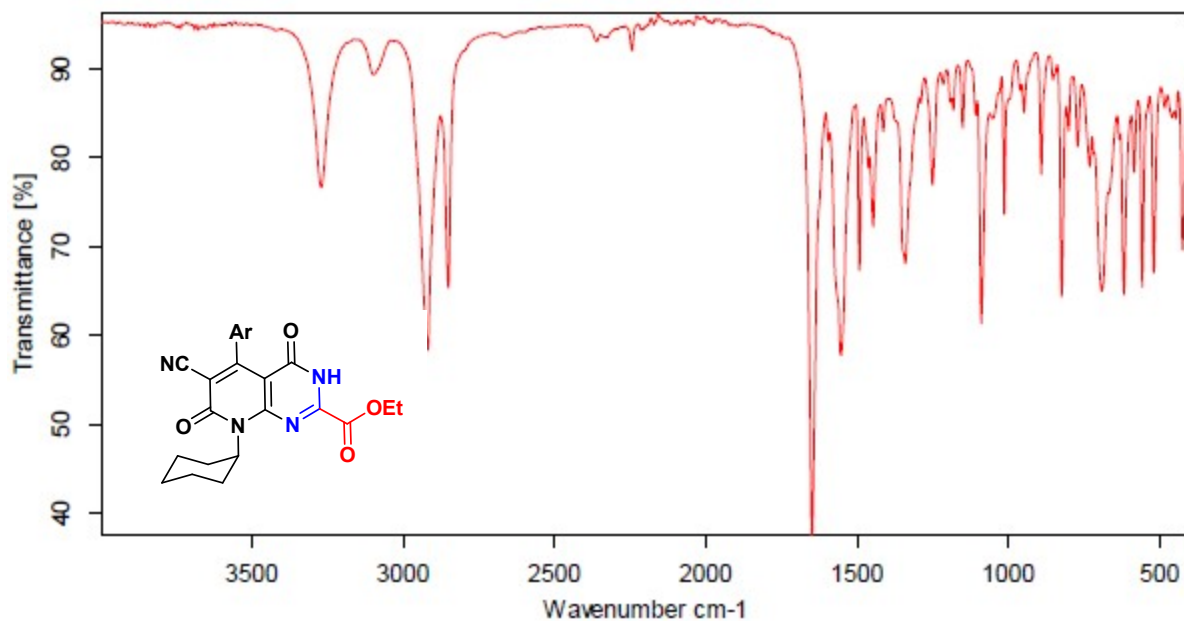


Fig. (13): IR spectrum of compound 7.

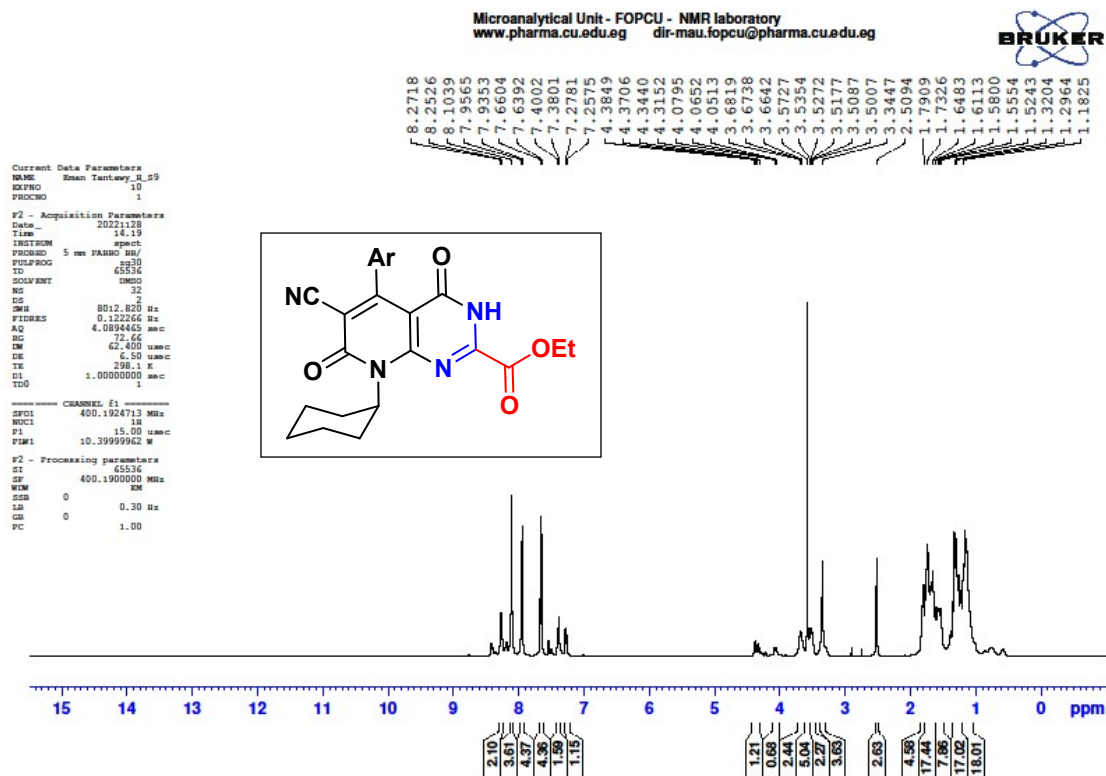


Fig. (14): ¹H NMR spectrum of compound 7.

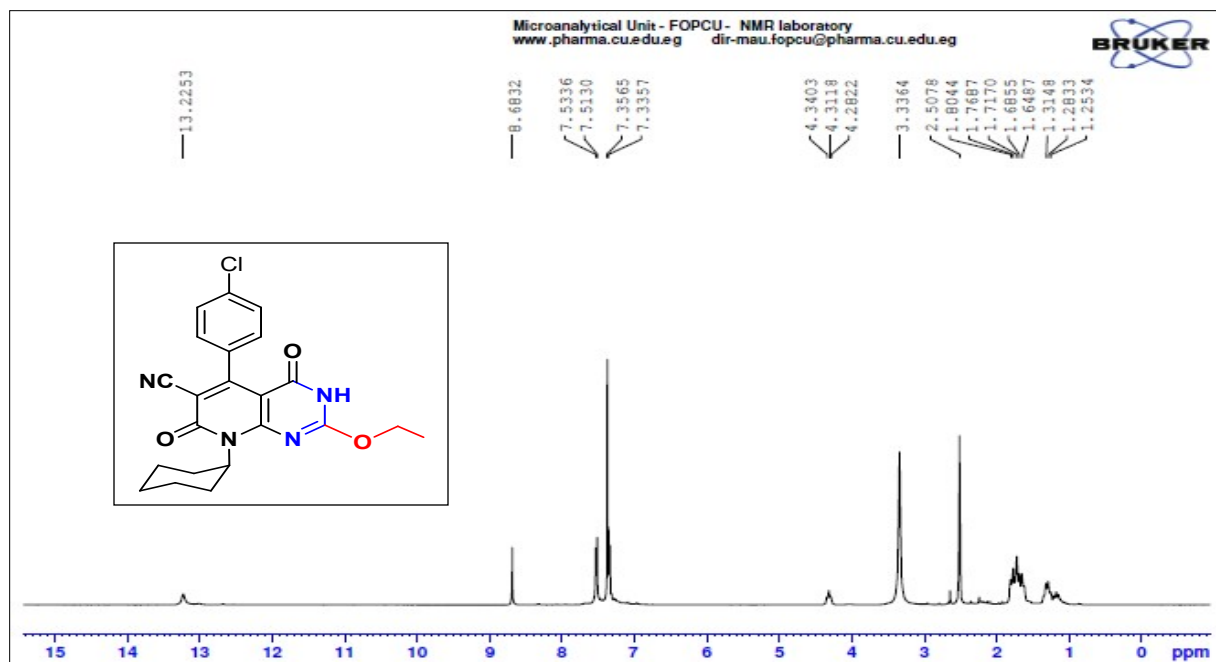


Fig. (15): ^1H NMR spectrum of compound 8.

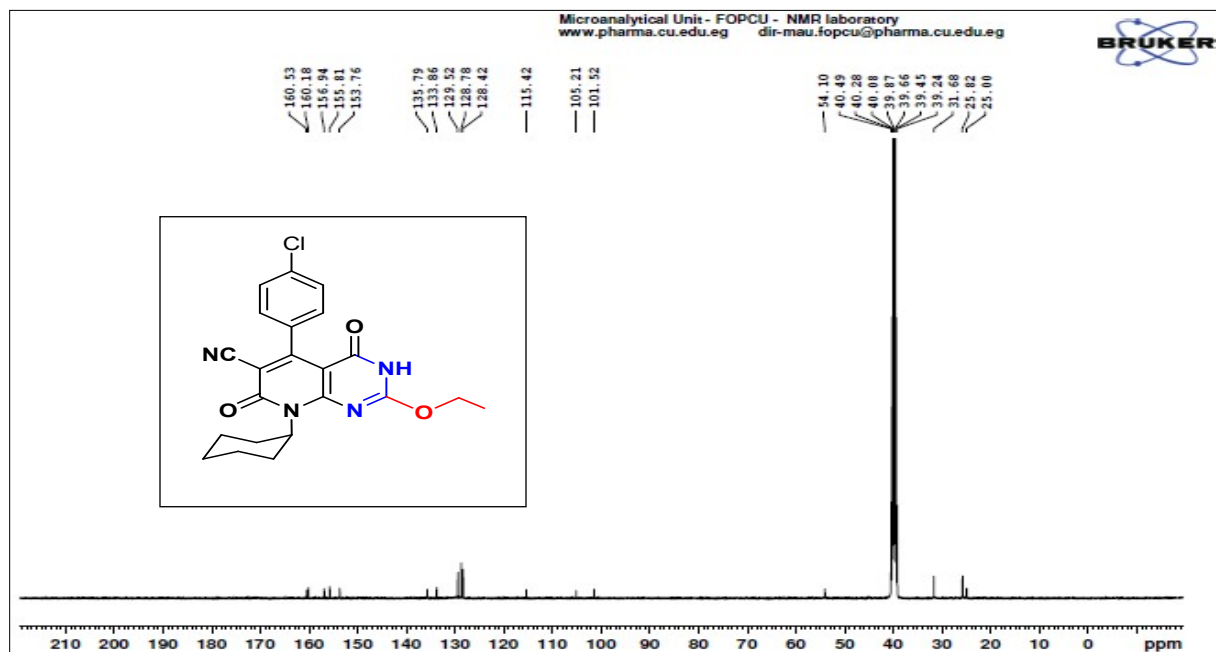


Fig. (16): ^{13}C NMR spectrum of compound 8.

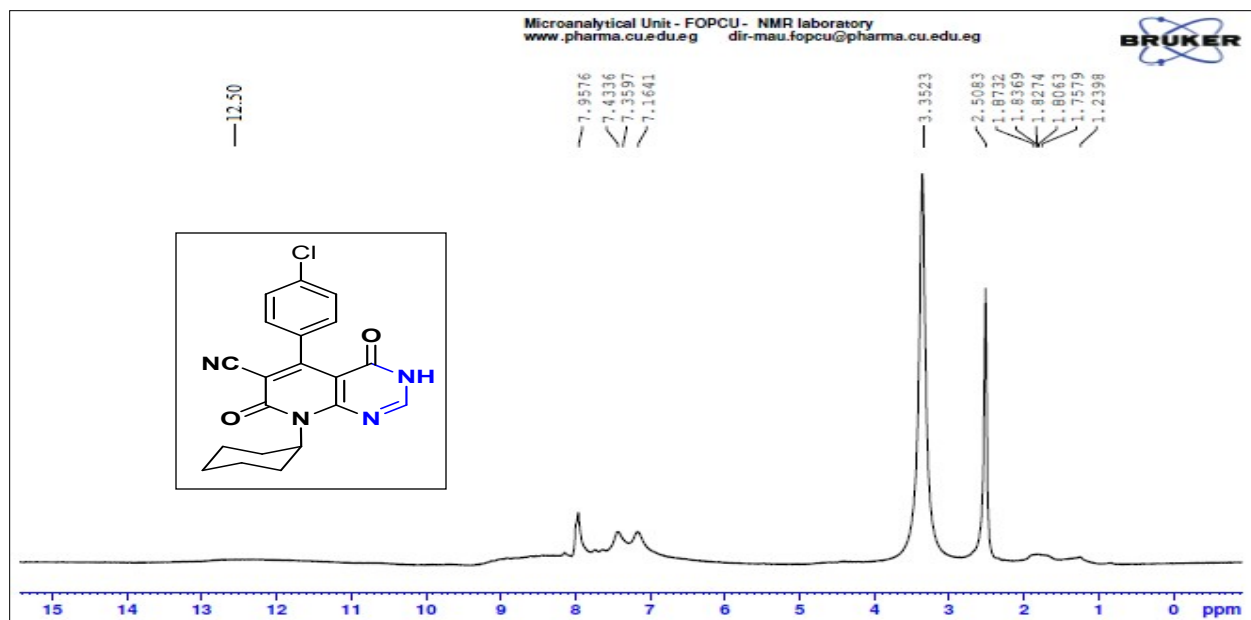


Fig. (17): ^1H NMR spectrum of compound 9.

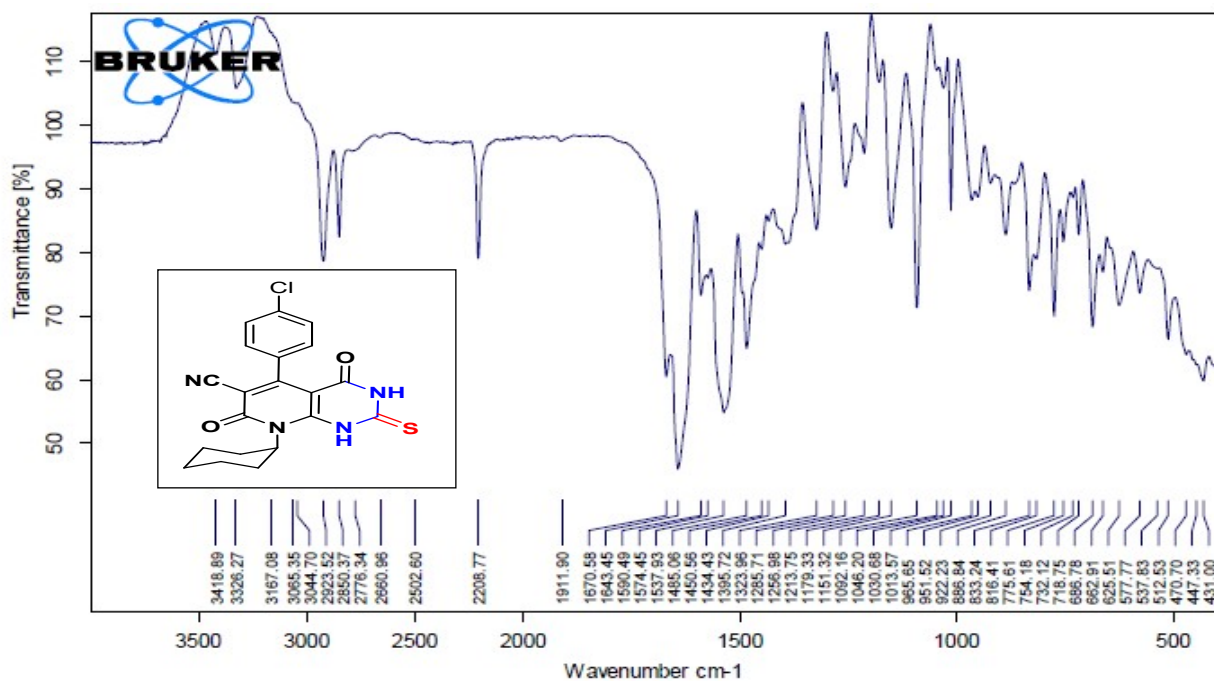


Fig. (18): IR spectrum of compound 10.

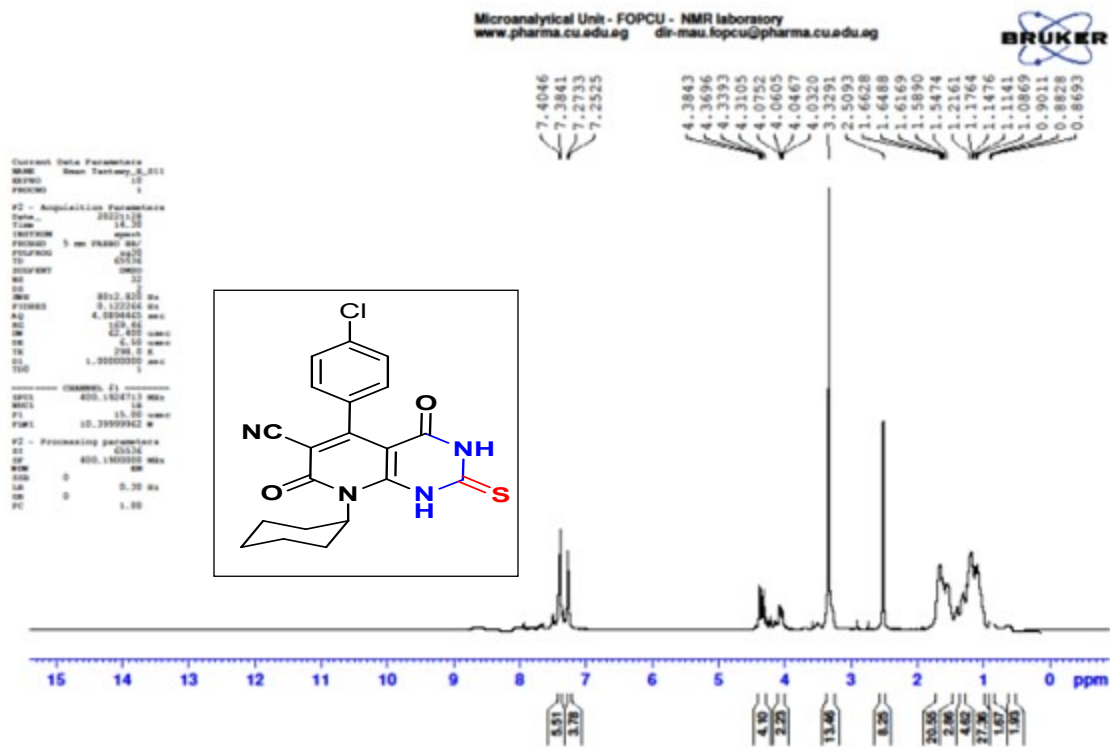


Fig. (19): ¹H NMR spectrum of compound 10

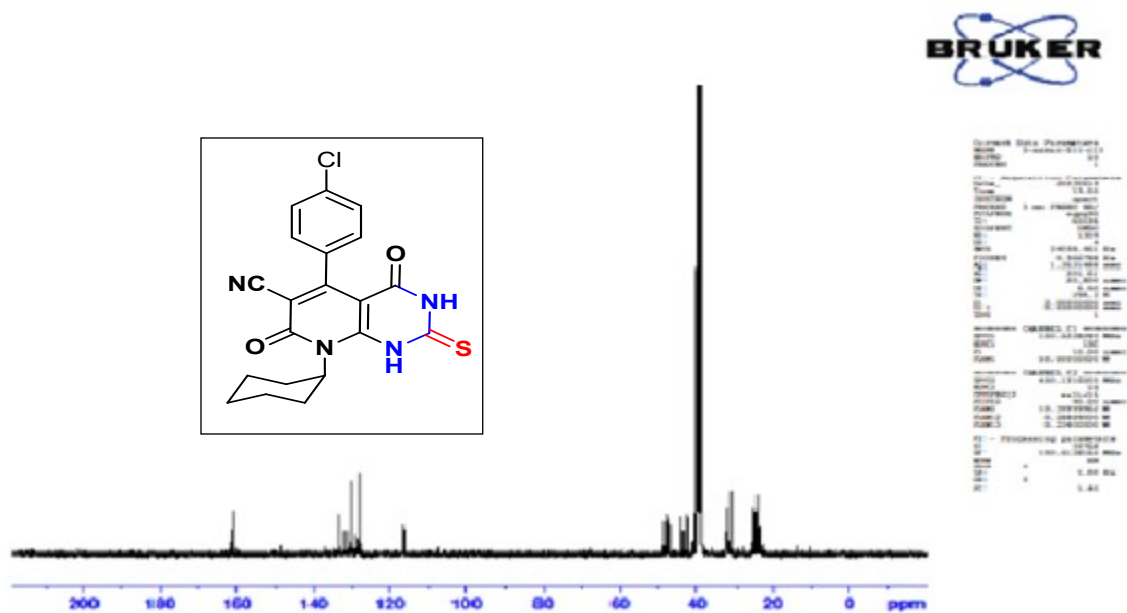


Fig. (19): ¹³C NMR spectrum of compound 10.

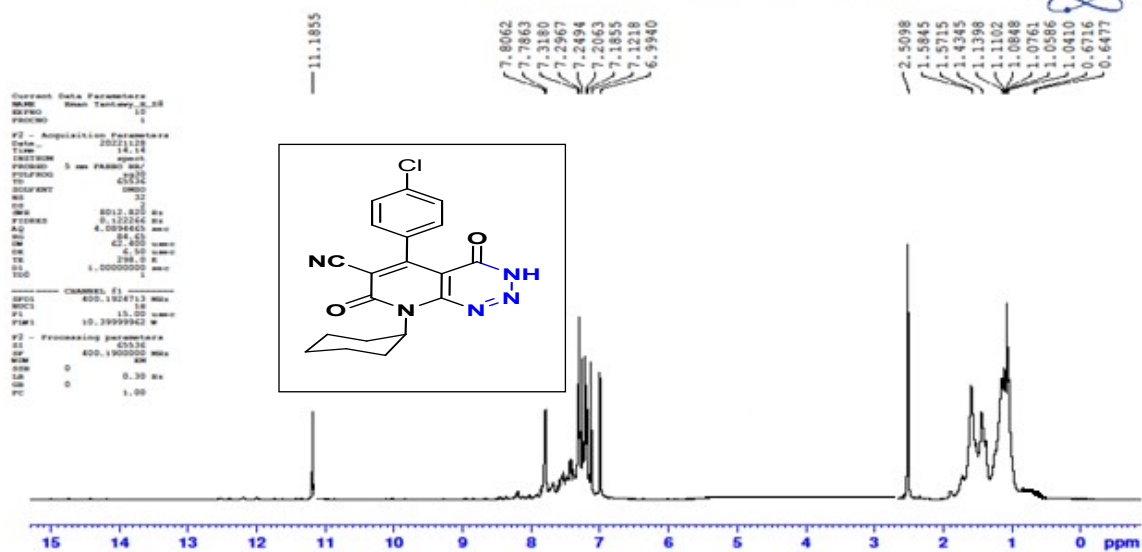


Fig. (20): ¹H NMR spectrum of compound 11.