

Supporting Information's

Synthesis, Characterization and Biological Evaluation of Pyrazole-Based Benzene Sulfonamides as Inhibitors of Human Carbonic Anhydrase II, IX and XII

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(J. Iqbal)

Contents:

- ¹H NMR spectras of the compounds
- ¹³C NMR spectras of the compounds

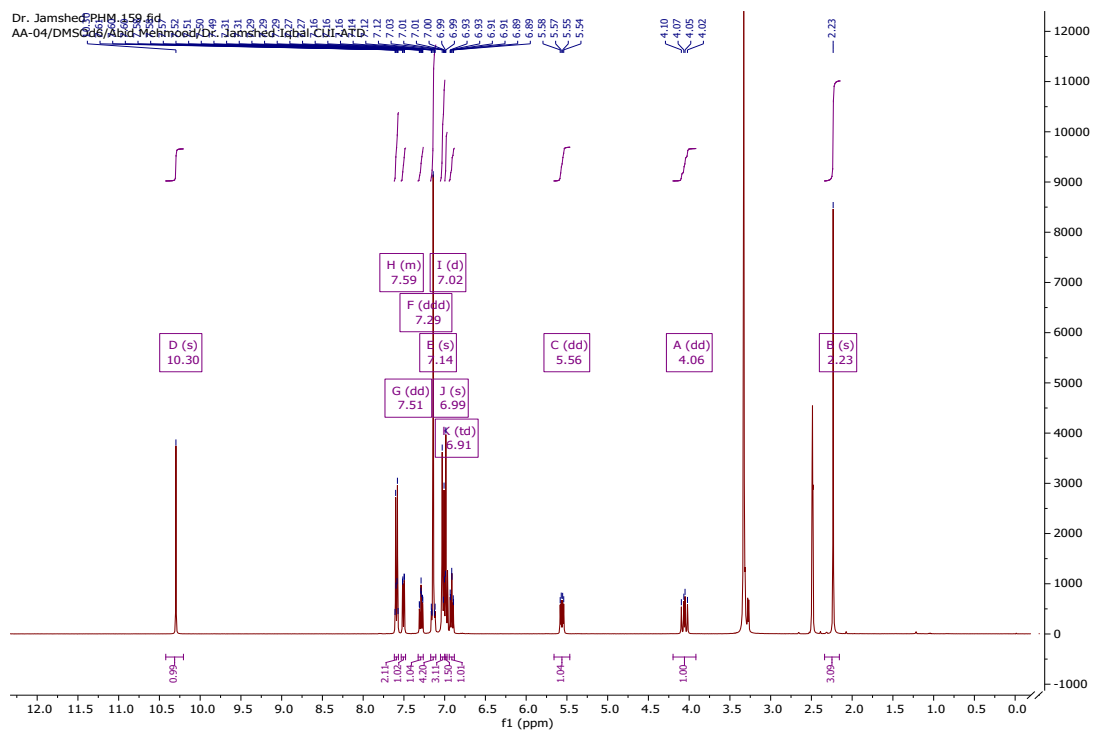


Fig. 1: ^1H NMR of **4a**

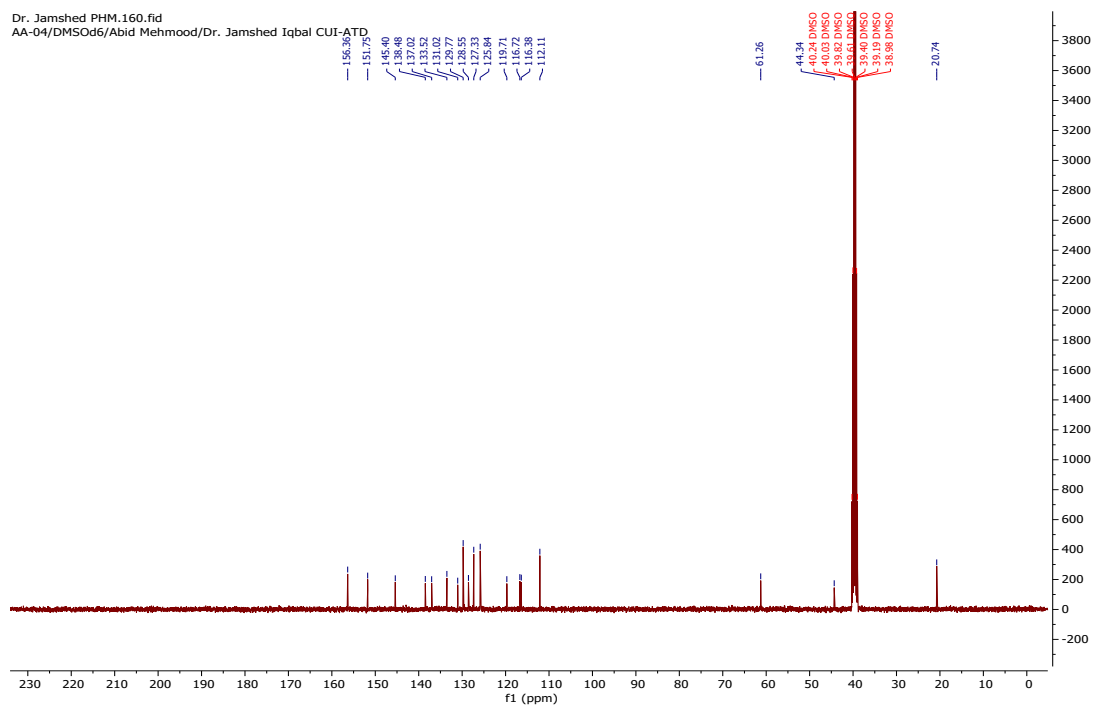


Fig. 2: ^{13}C NMR of **4a**

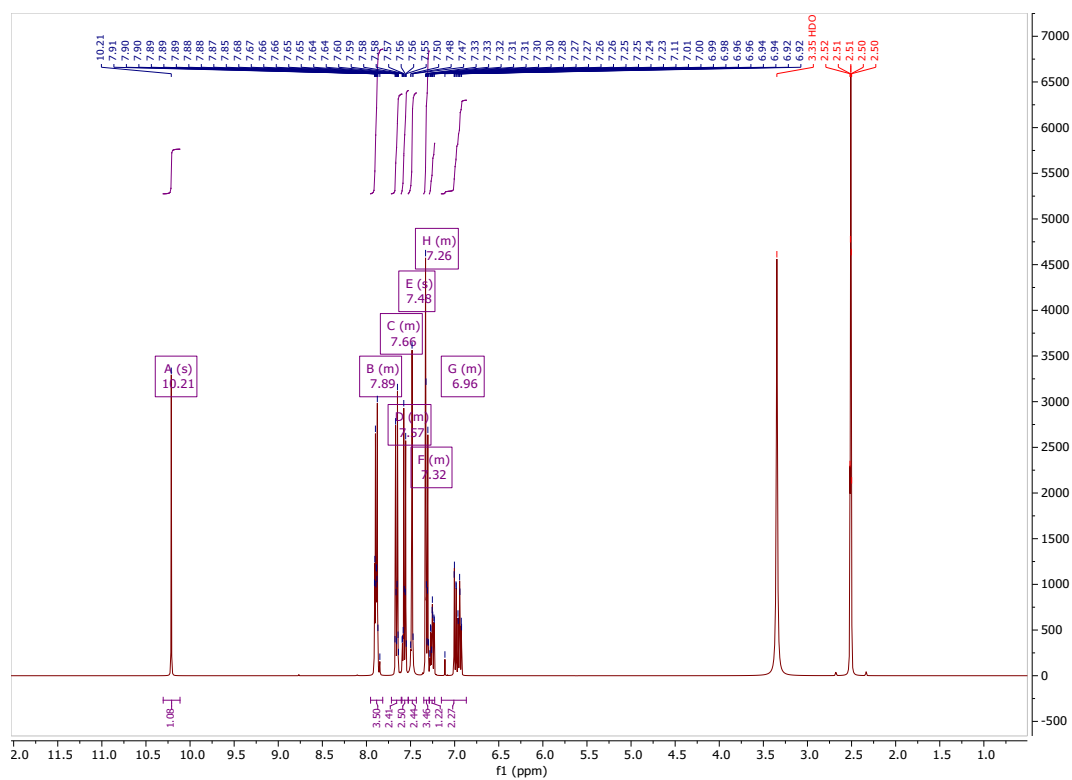


Fig 3: ^1H NMR spectrum of **4b**

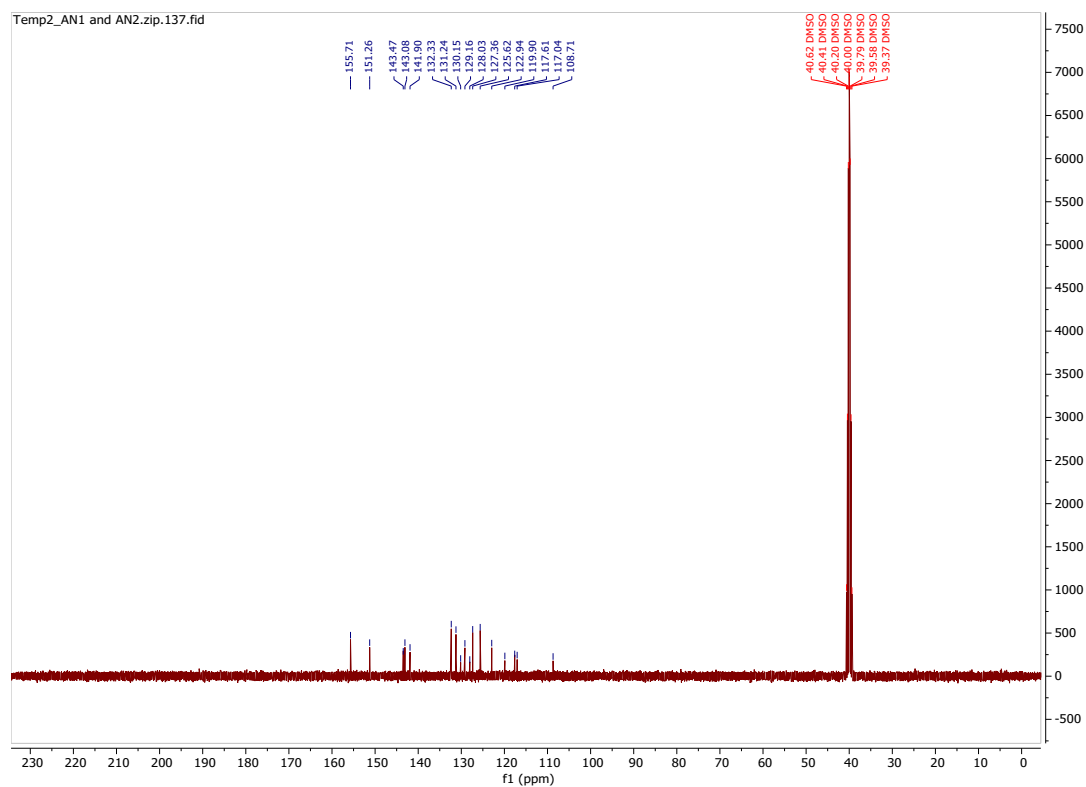


Fig 4: ^{13}C NMR spectrum of **4b**

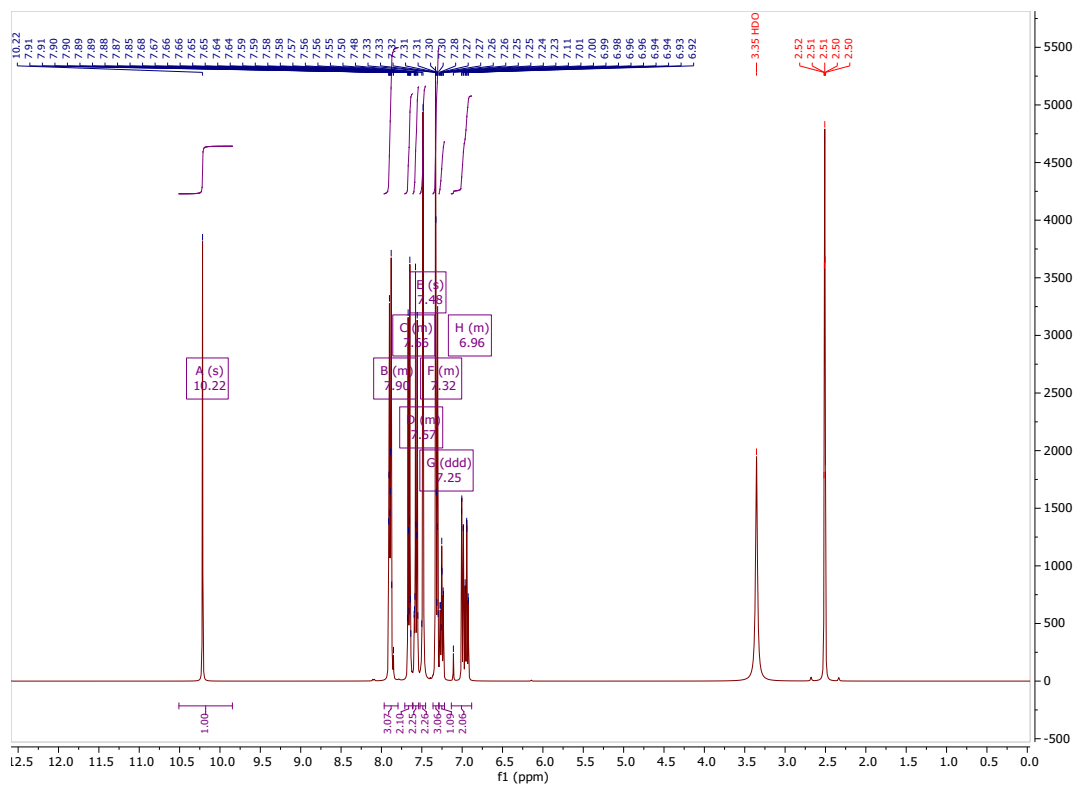


Fig. 5: ¹H NMR spectrum of 4c

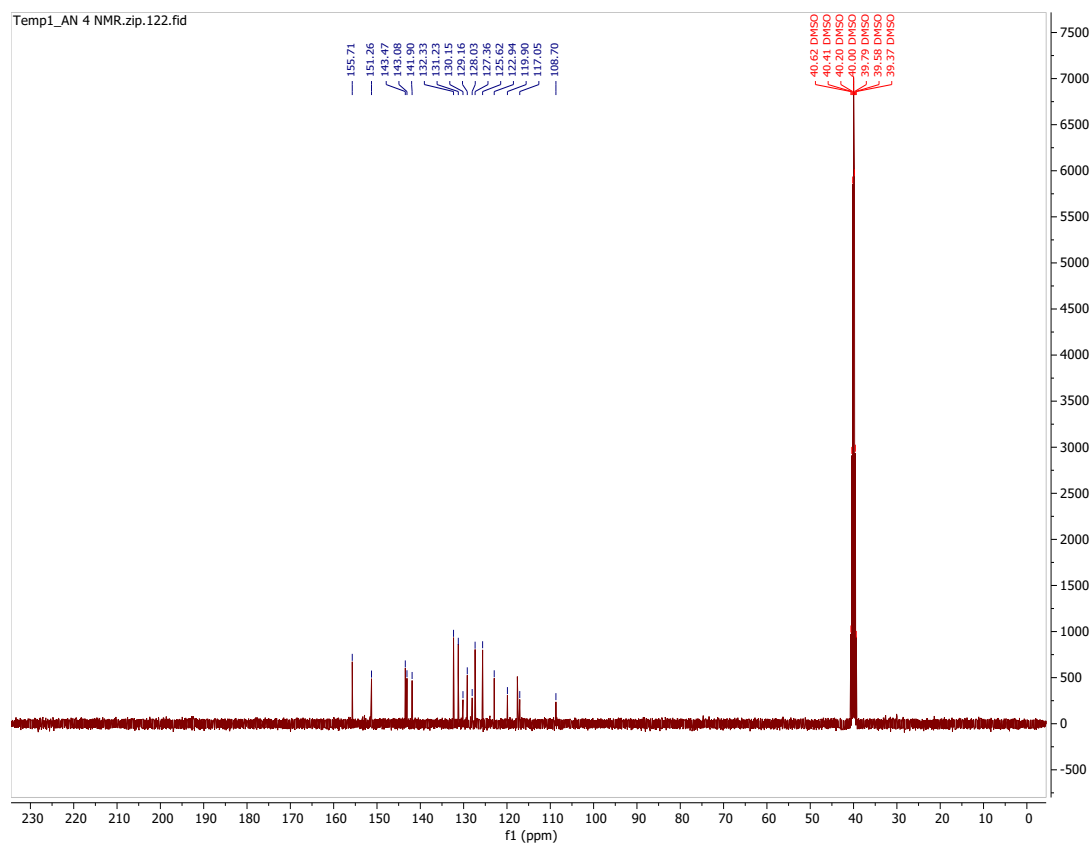


Fig. 6: ¹³C NMR spectrum of 4c

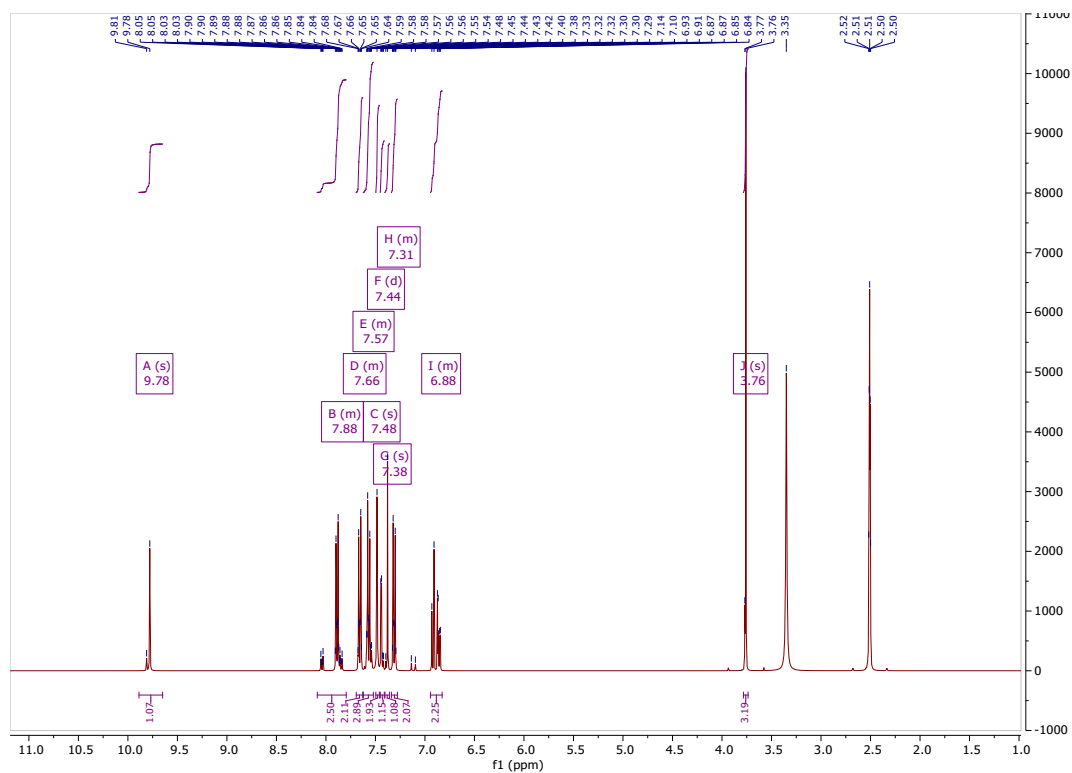


Fig 7: ¹H NMR spectrum of 4d

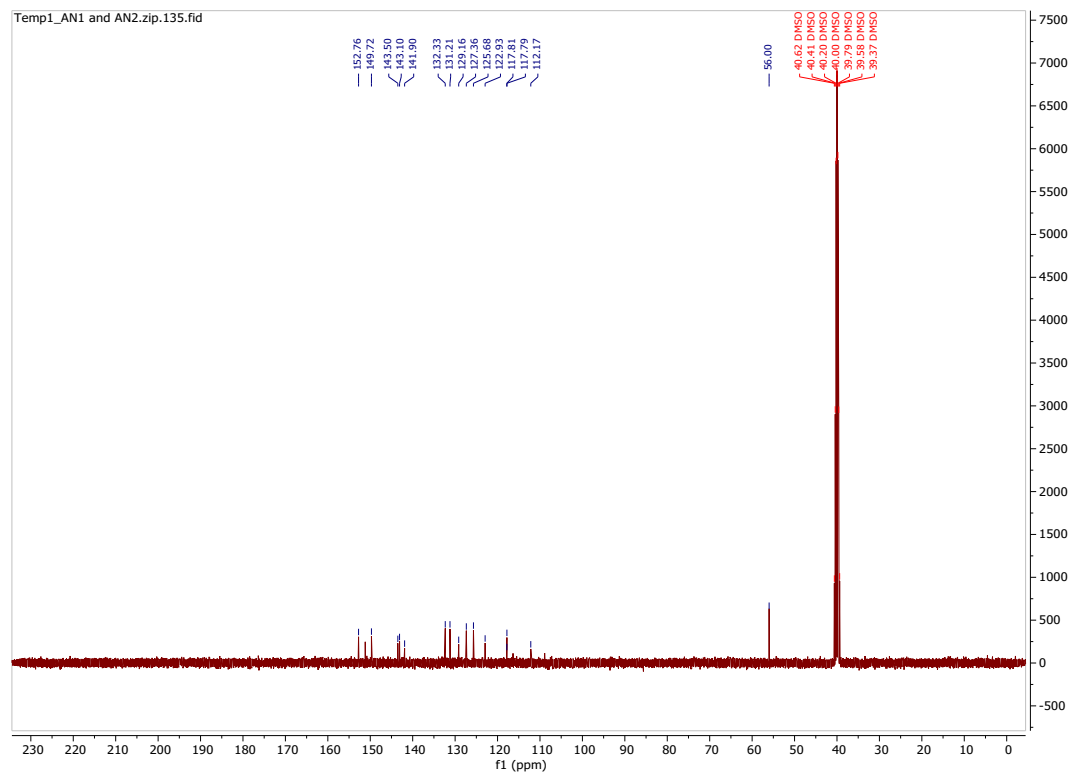


fig. 8: ¹³C NMR spectrum of 4d

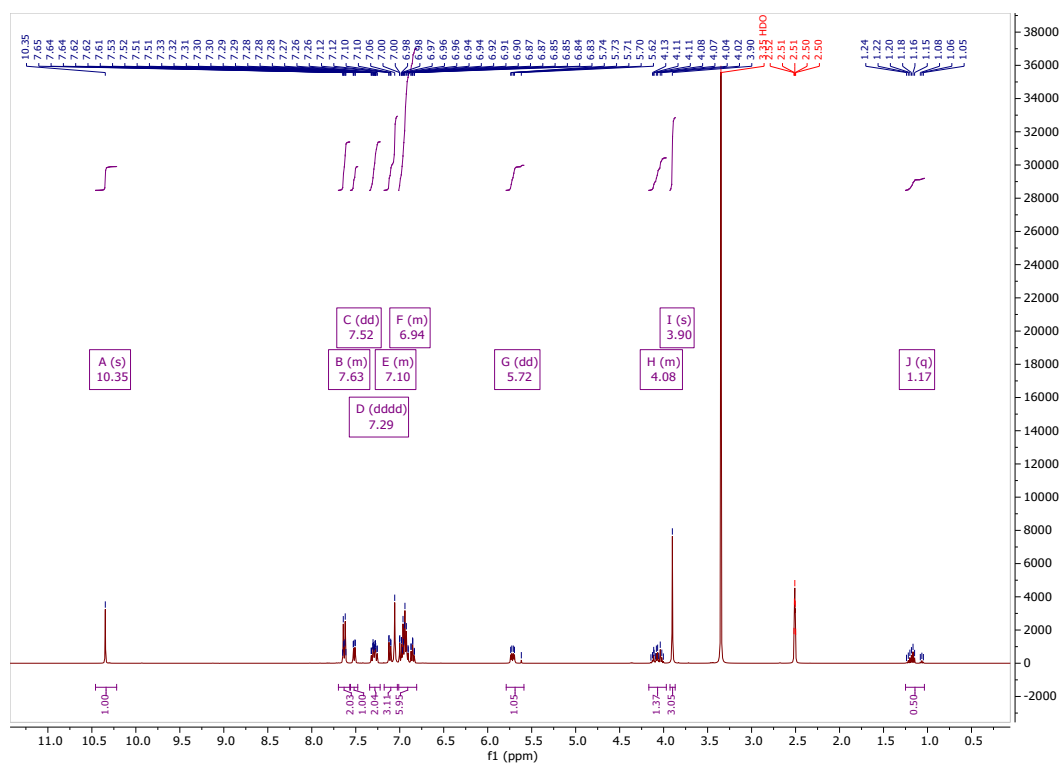


Fig. 9: ^1H NMR spectrum of 4e

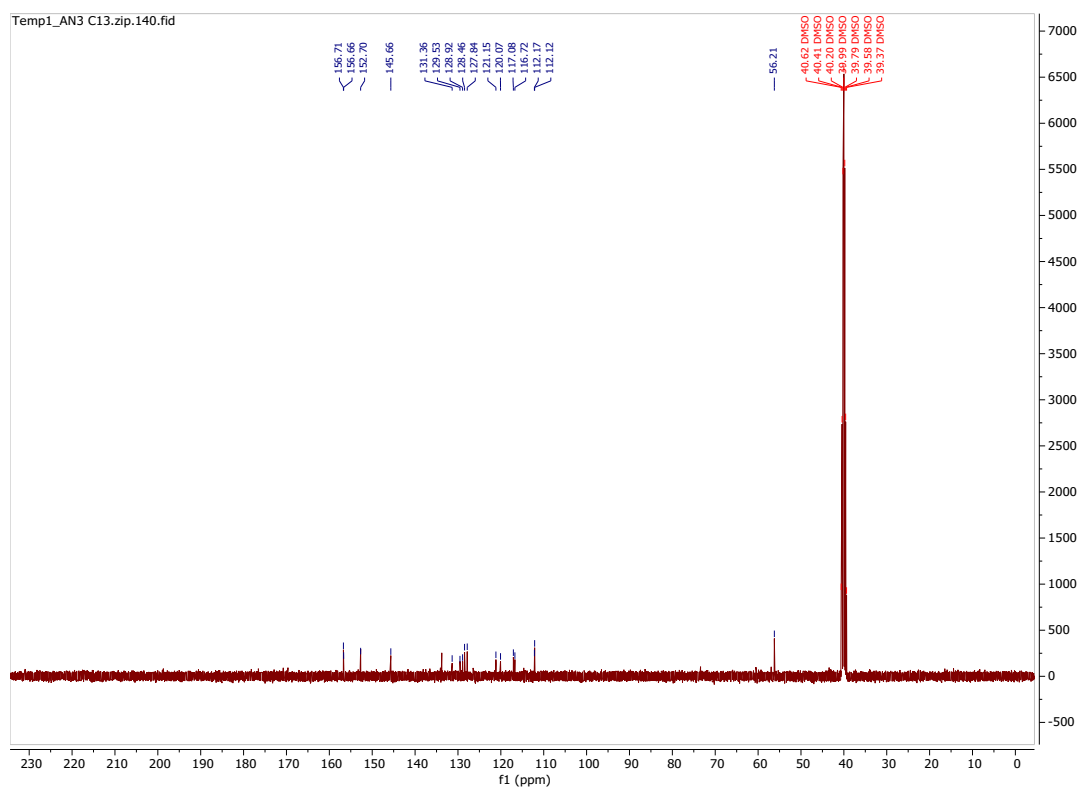


Fig 10: ^{13}C NMR spectrum of 4e

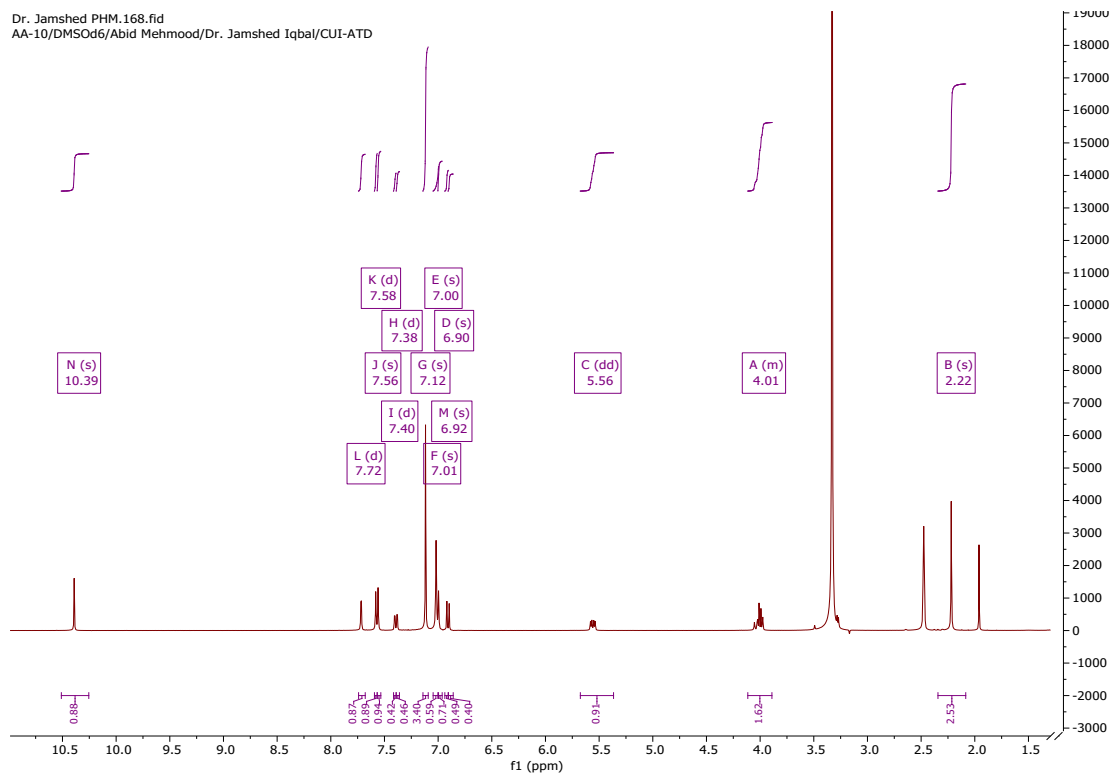


Fig. 11: ^1H NMR of **4f**

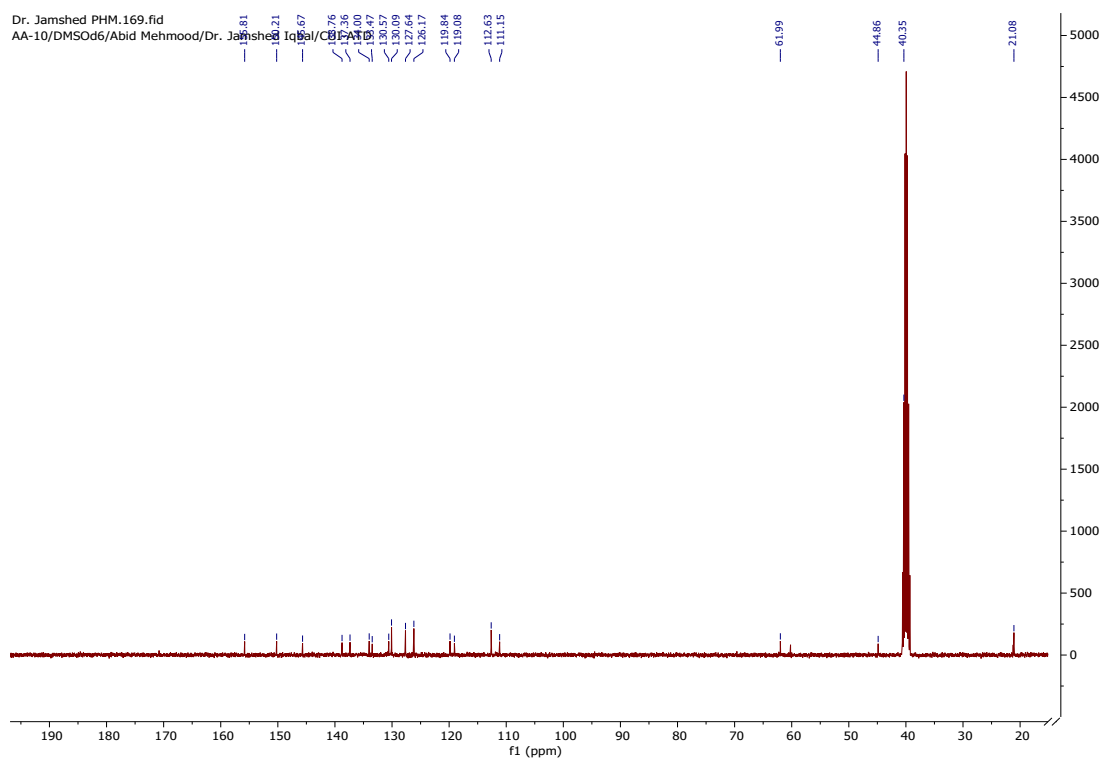


Fig. 12: ^{13}C NMR of **4f**

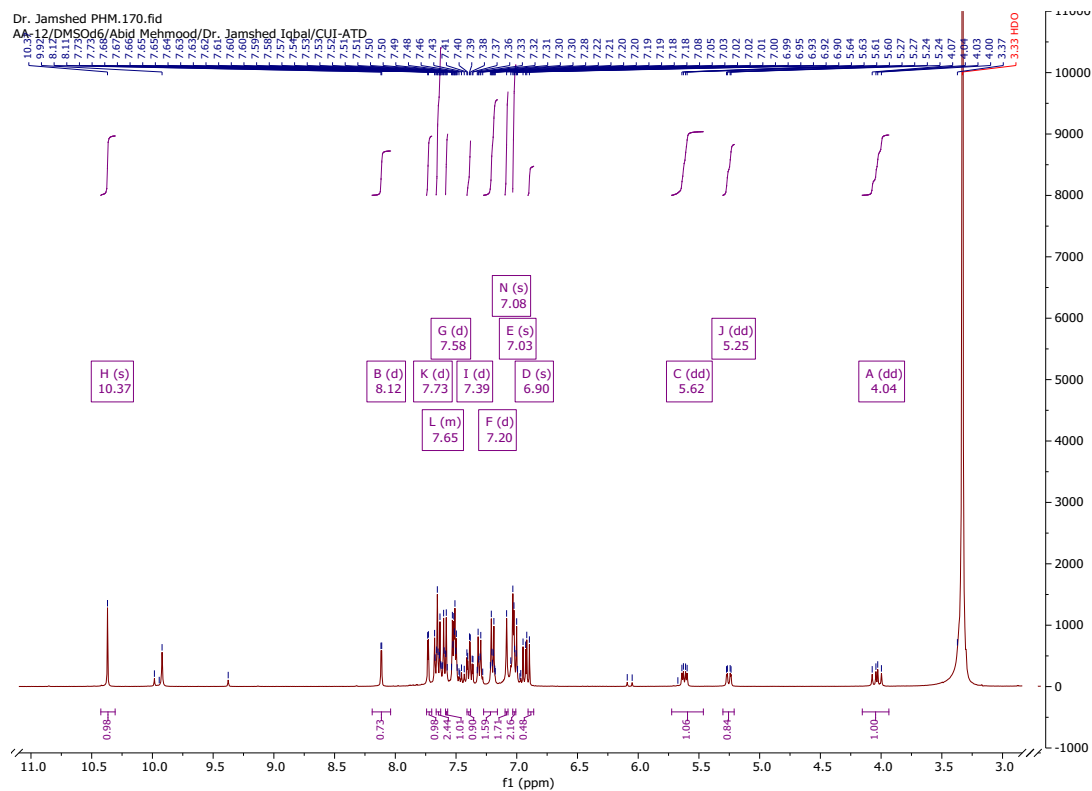


Fig. 15: ^1H NMR of **4h**

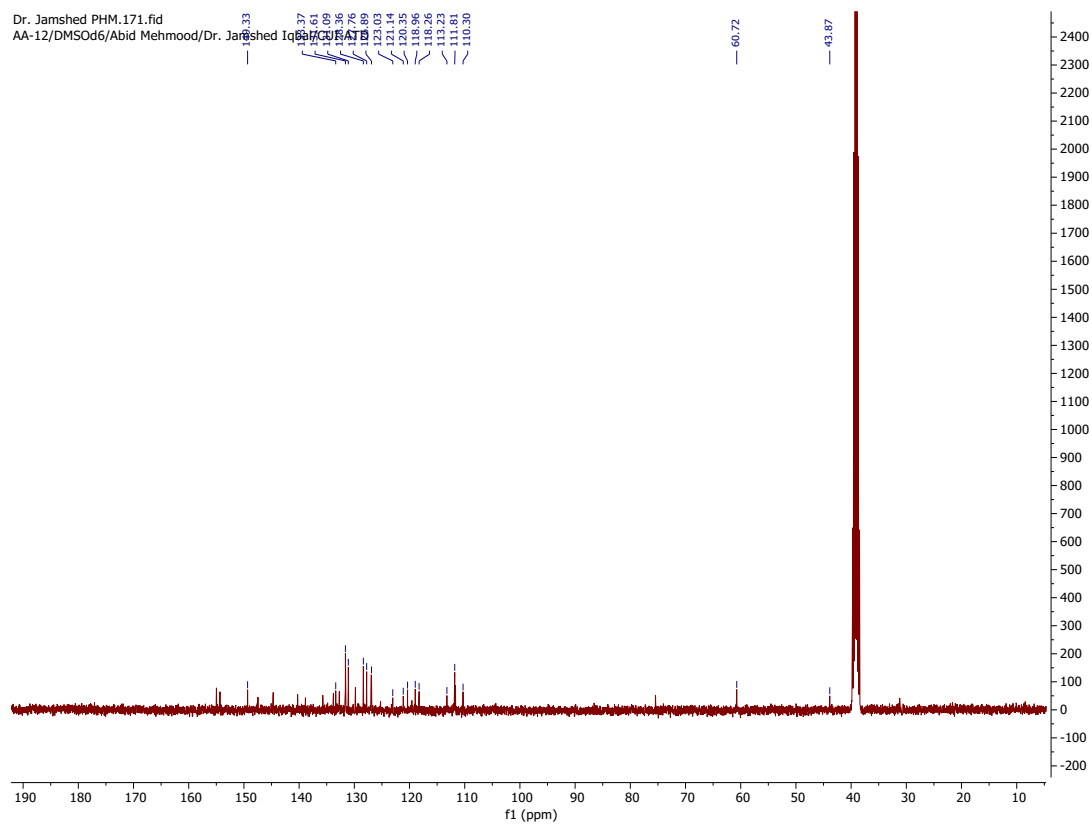


Fig. 16: ^{13}C NMR of **4h**

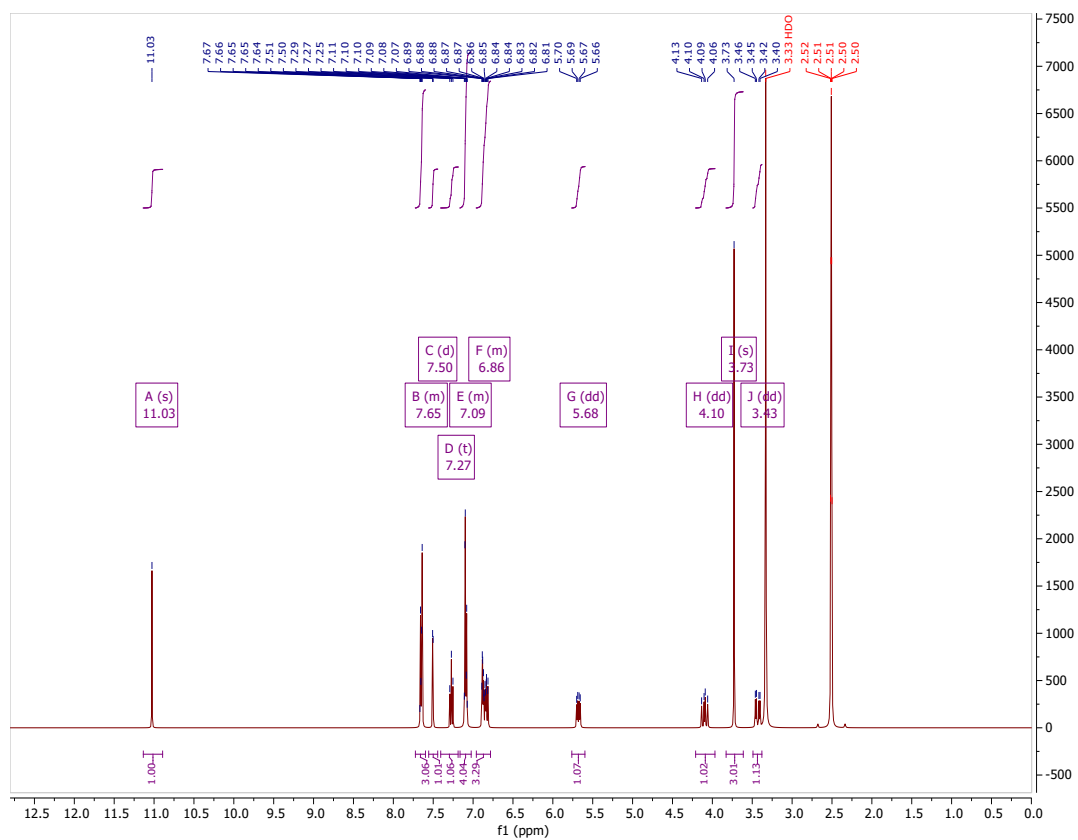


Fig. 17: ^1H NMR spectrum of **4i**

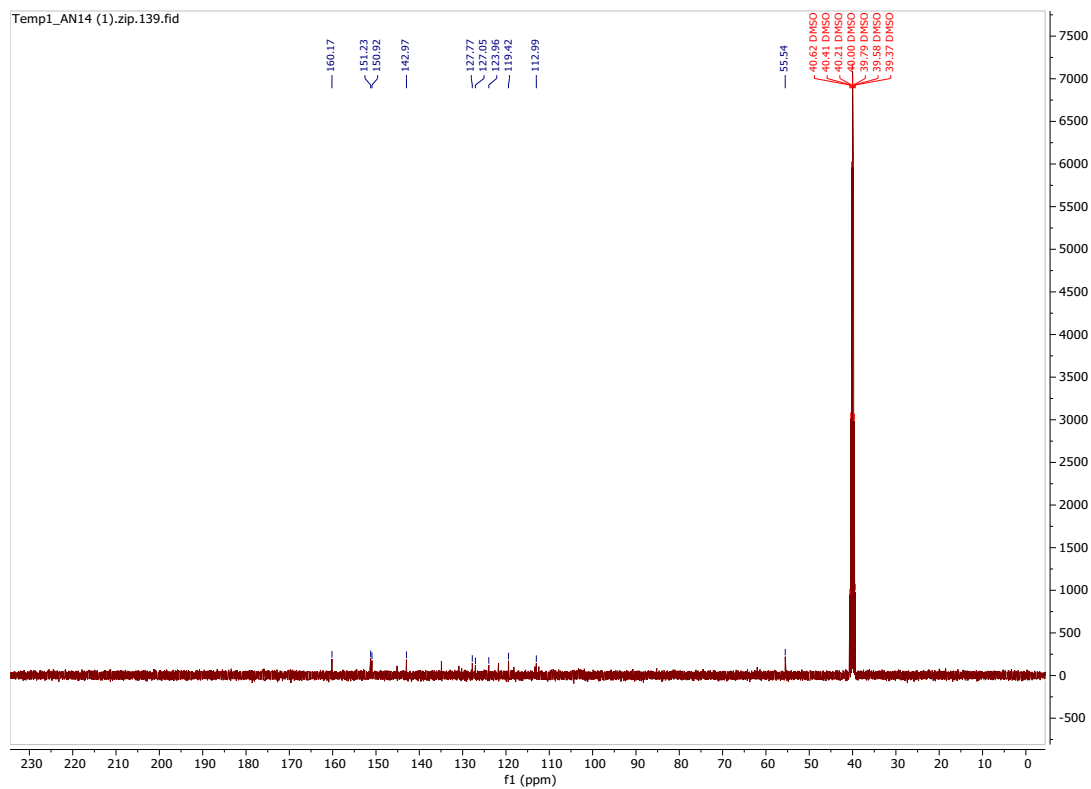


Fig. 18: ^{13}C NMR spectrum of **4i**

Dr. Jamshed PHM.178.fid
AA-02/DMSOd6/Abid Mahmood/Dr. Jamshed Iqbal/CUI-ATD

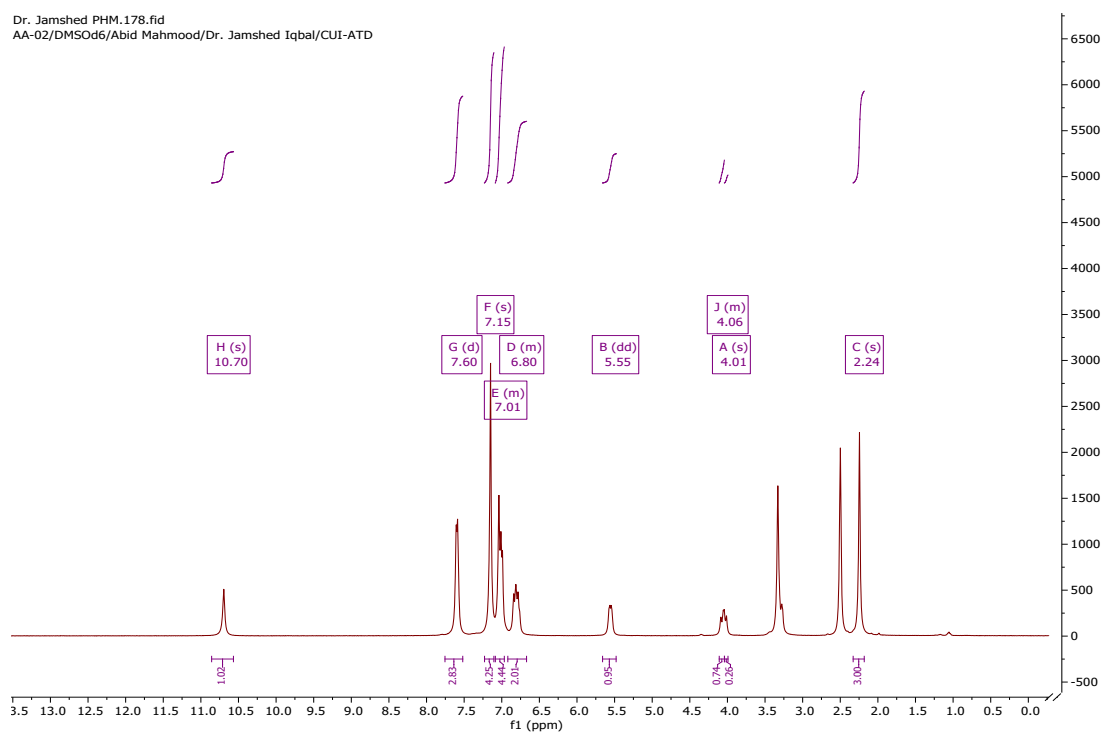


Fig. 19: ^1H NMR of 4j

Dr. Jamshed PHM.178.fid
AA-02/DMSOd6/Abid Mahmood/Dr. Jamshed Iqbal/CUI-ATD

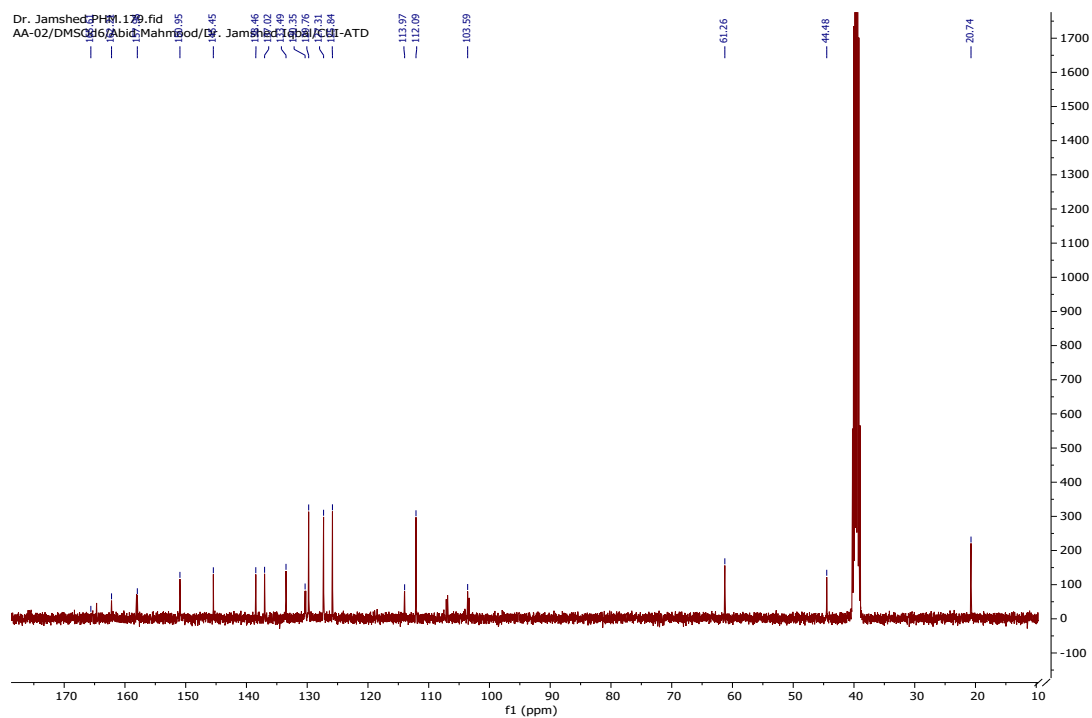


Fig. 20: ^{13}C NMR of 4j

Dr. Jamshed PHM.174.fid
AA03/DMSOd6/Sehrish/Dr. Jamshed Iqbal/CUI-ATD

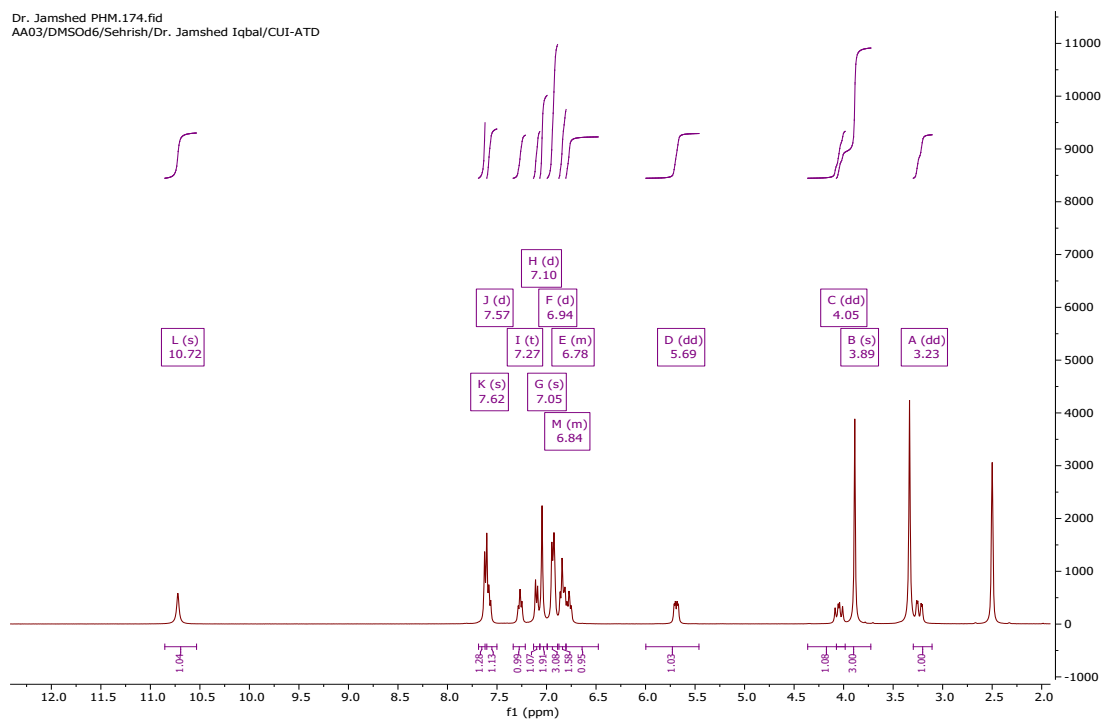


Fig. 21: ^1H NMR of **4k**

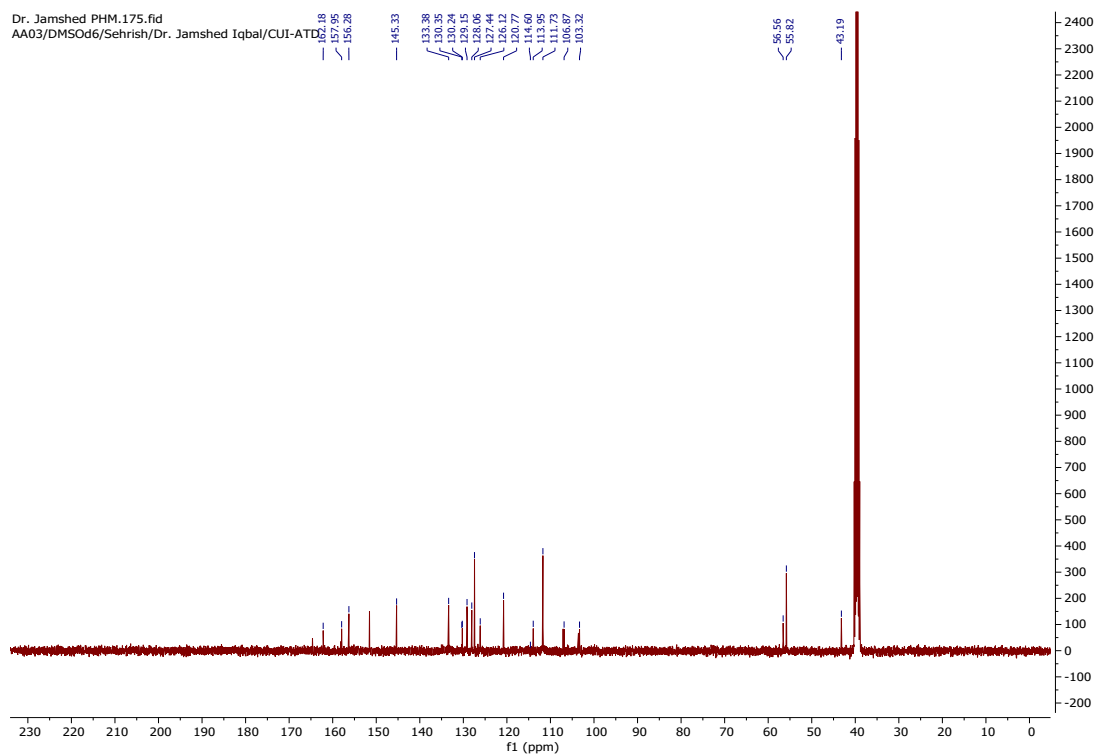


Fig. 22: ^{13}C NMR of **4k**

