

# Synthesis of 1-[(Aryl)(3-amino-5-oxopyrazolidin-4-ylidene) methyl]-2-oxo-1,2-dihydroquinoline-3-carboxylic acid Derivatives and their Breast Anticancer Activity

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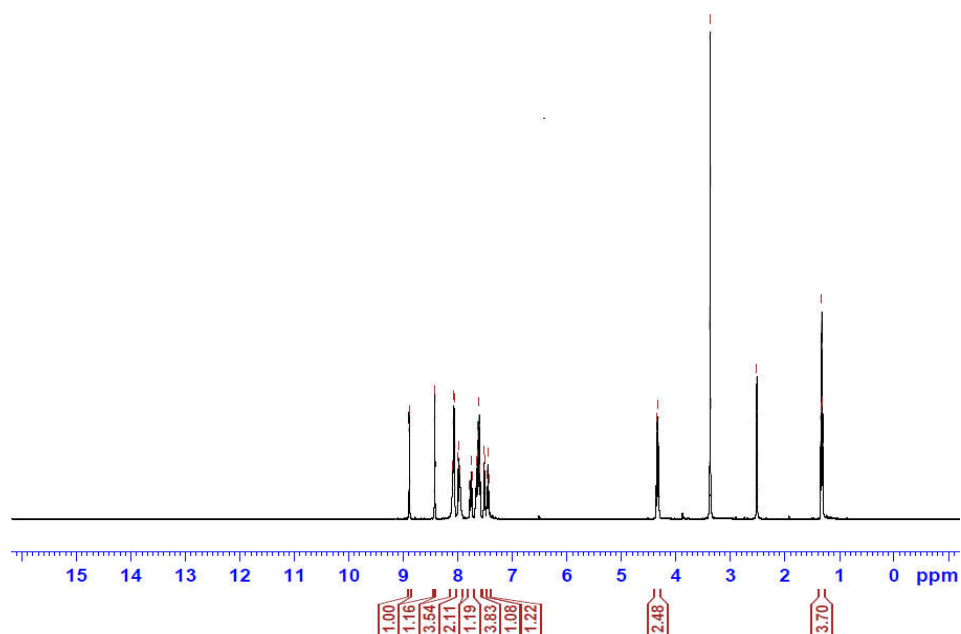


Figure S1.  $^1\text{H}$ -NMR spectrum of compound 7a.

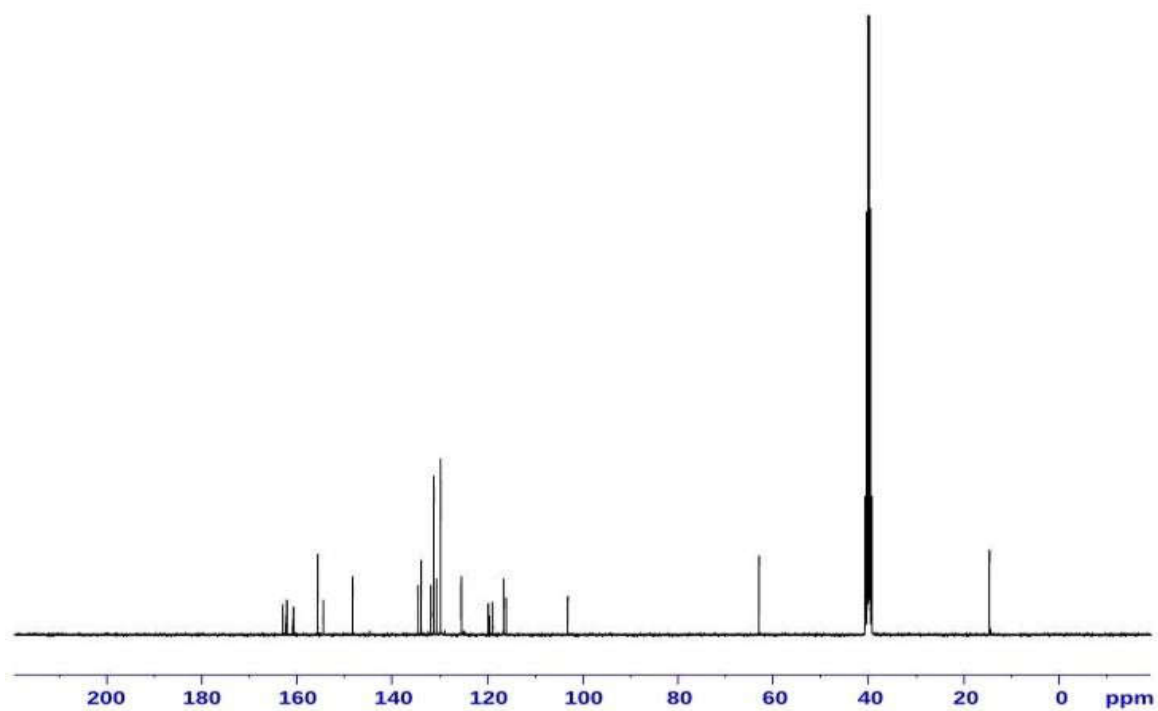


Figure S2.  $^{13}\text{C}$ -NMR spectrum of compound 7a.

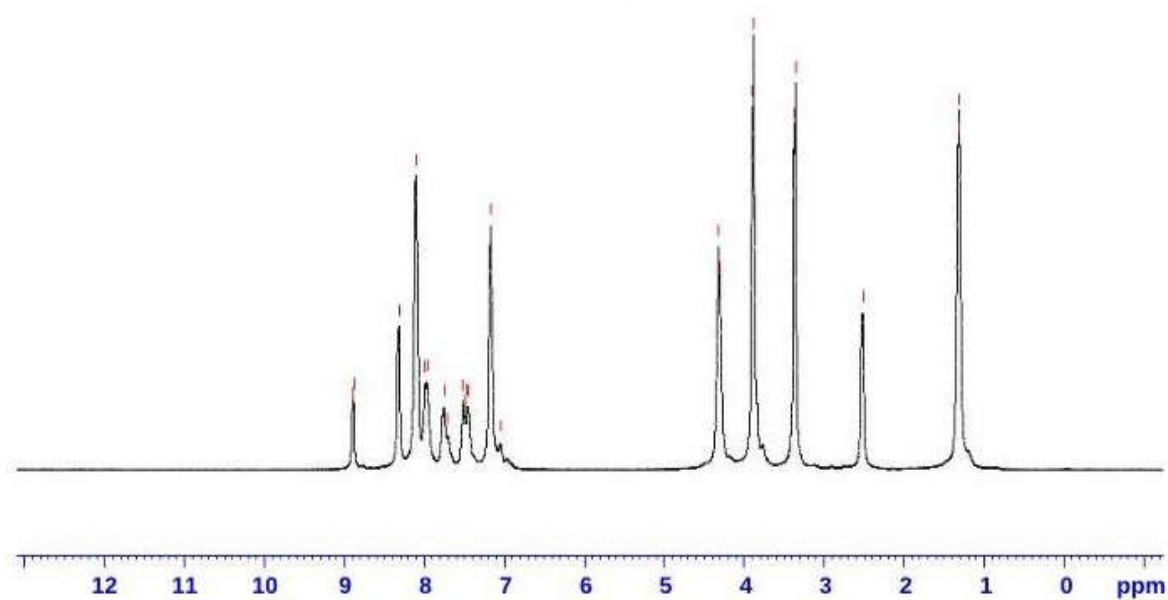


Figure S3:  $^1\text{H}$ -NMR spectrum of compound 7b.

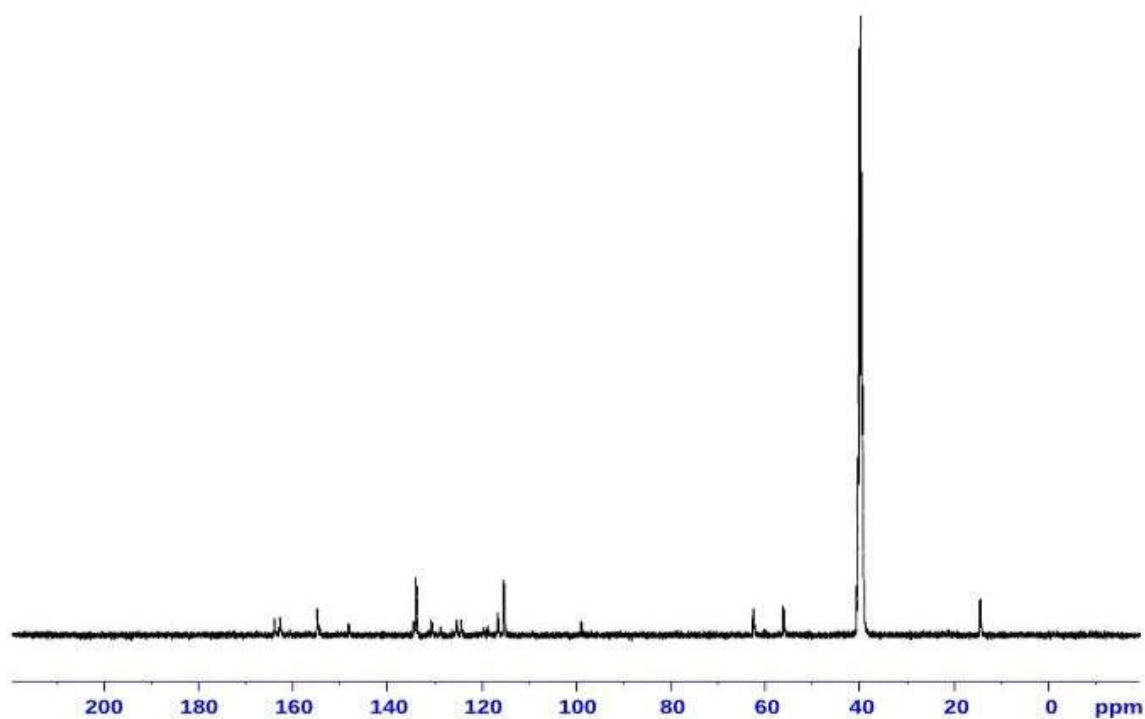


Figure S4:  $^{13}\text{C}$ -NMR spectrum of compound 7b.

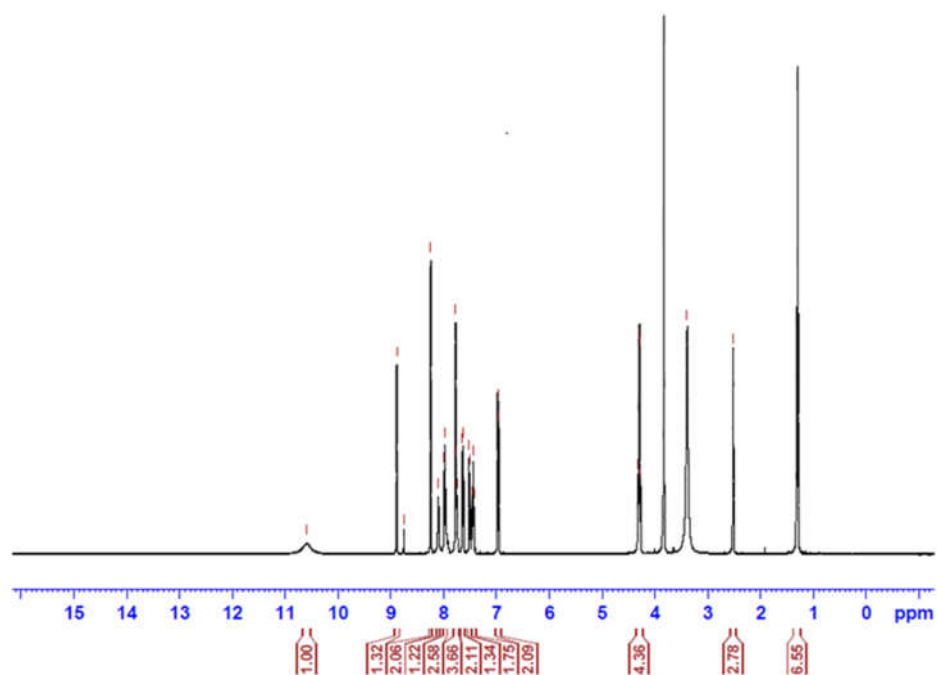


Figure S5:  $^1\text{H}$ -NMR spectrum of compound 7c.

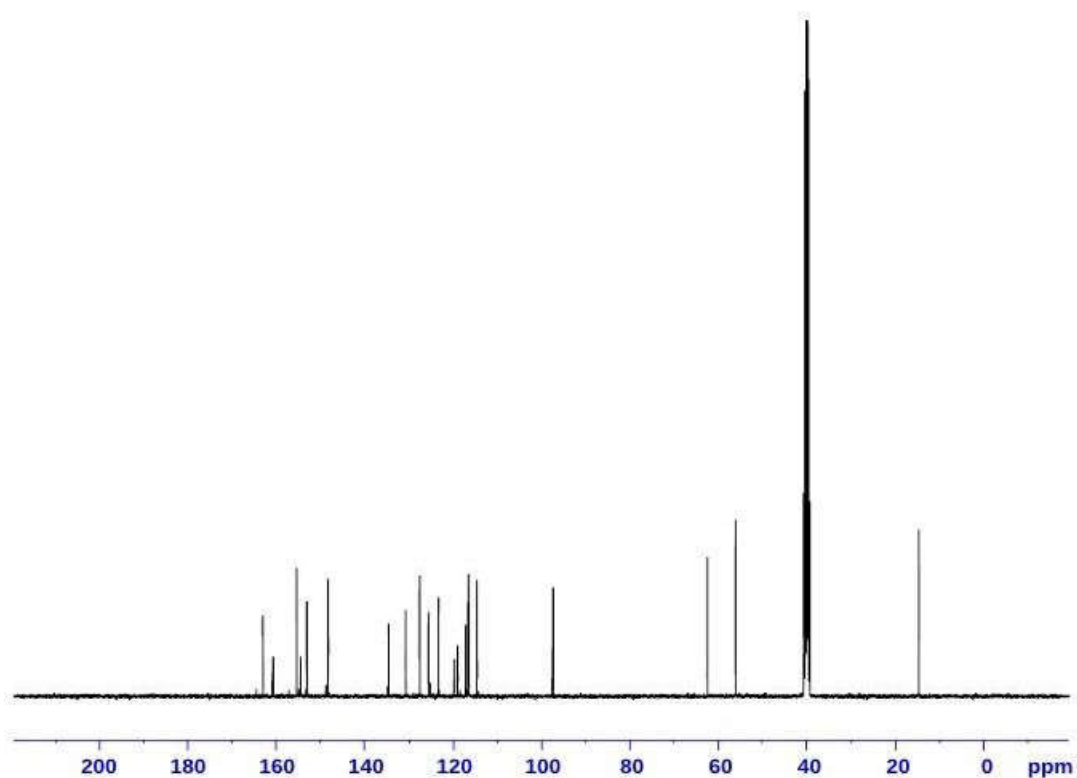


Figure S6:  $^{13}\text{C}$ -NMR spectrum of compound 7c.

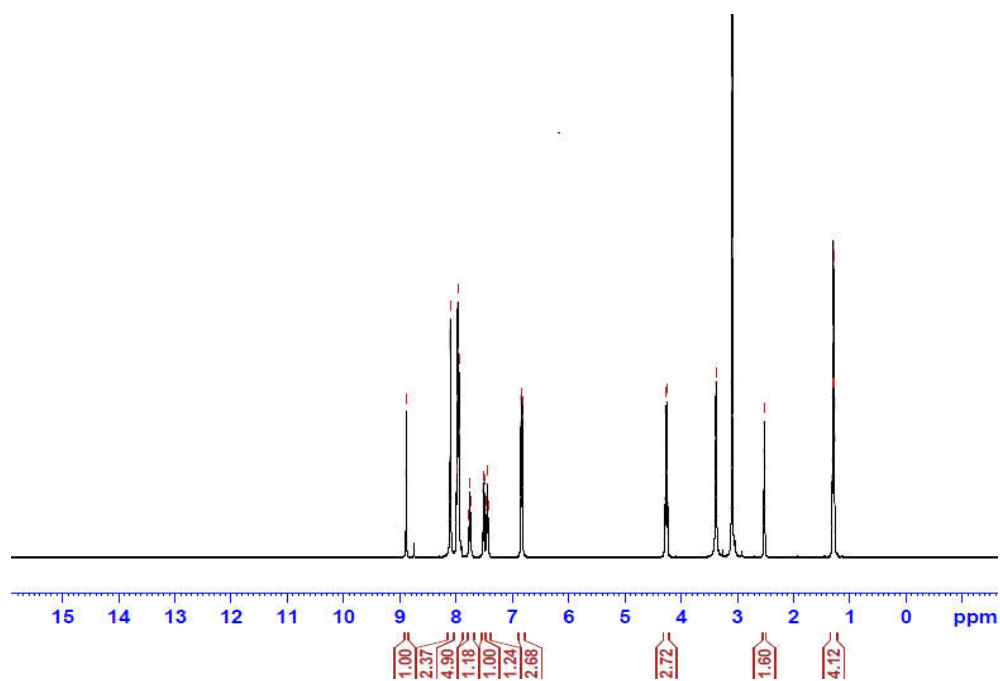


Figure S7:  $^1\text{H}$ -NMR spectrum of compound 7d.

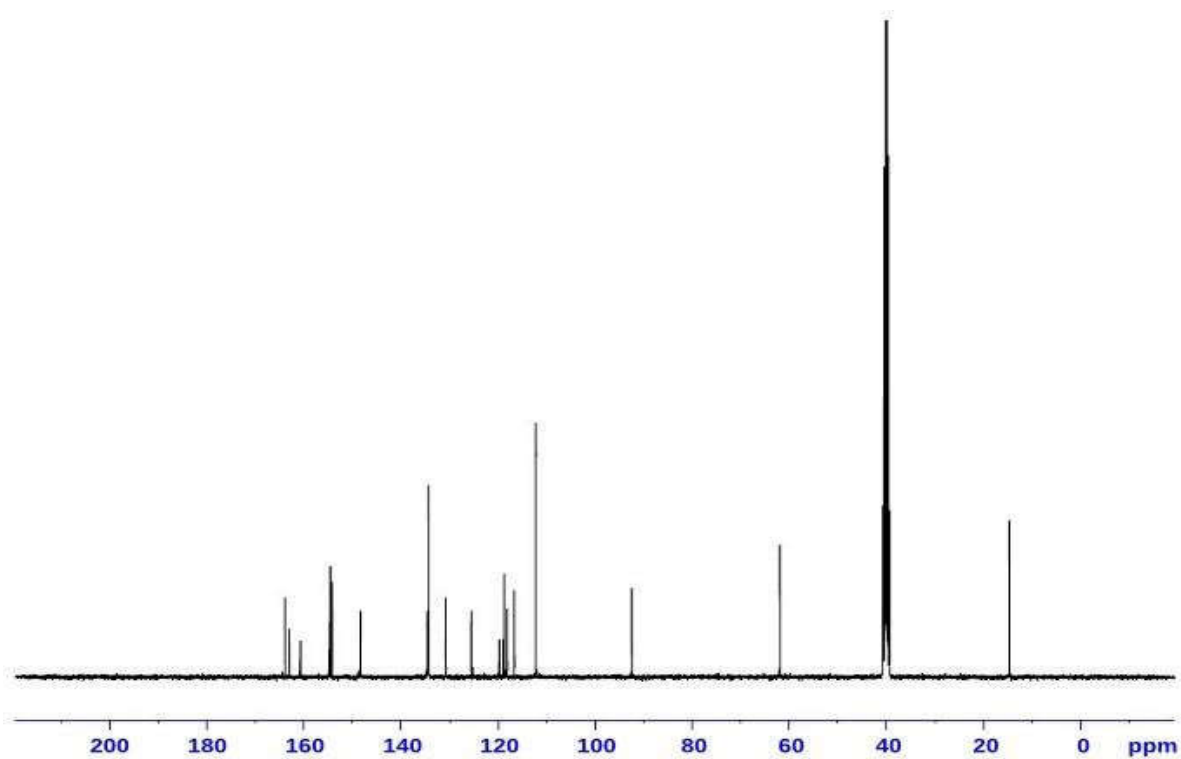


Figure S8:  $^{13}\text{C}$ -NMR spectrum of compound 7d.

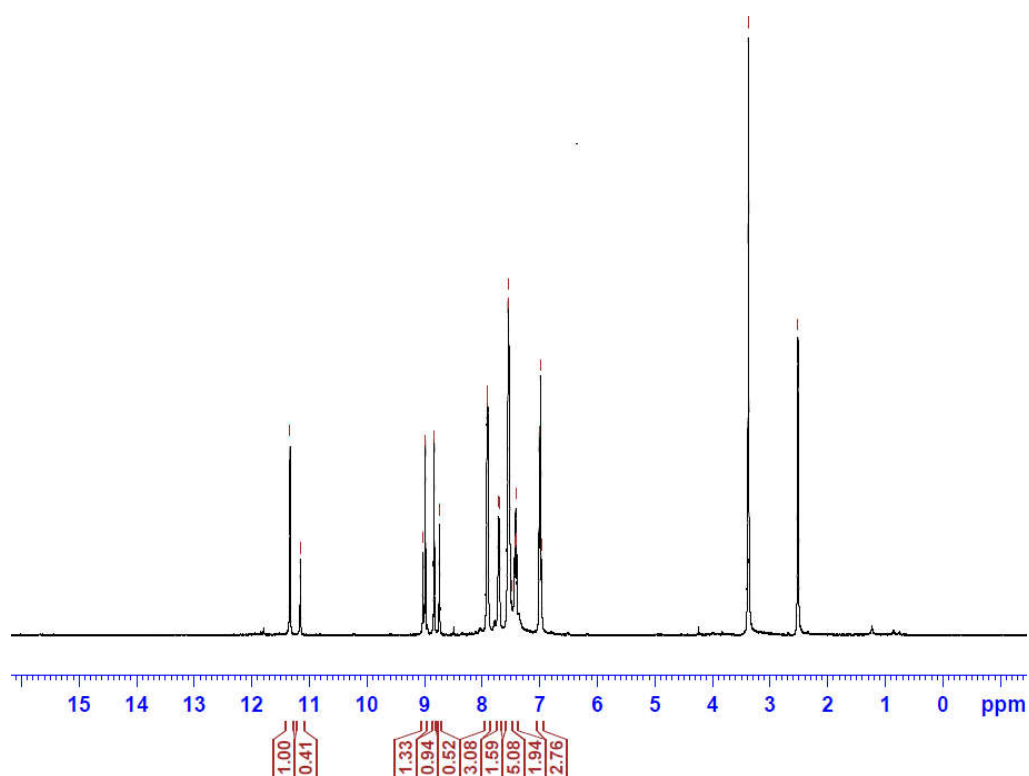


Figure S9:  $^1\text{H}$ -NMR spectrum of compound 8a.

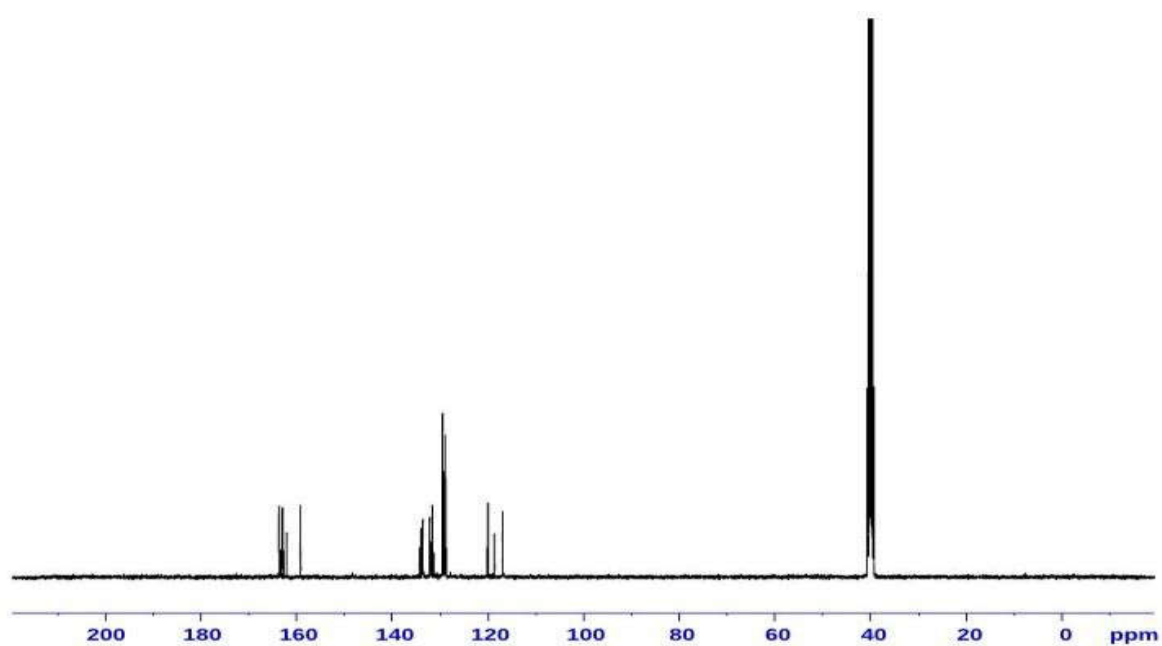


Figure S10:  $^{13}\text{C}$ -NMR spectrum of compound 8a.

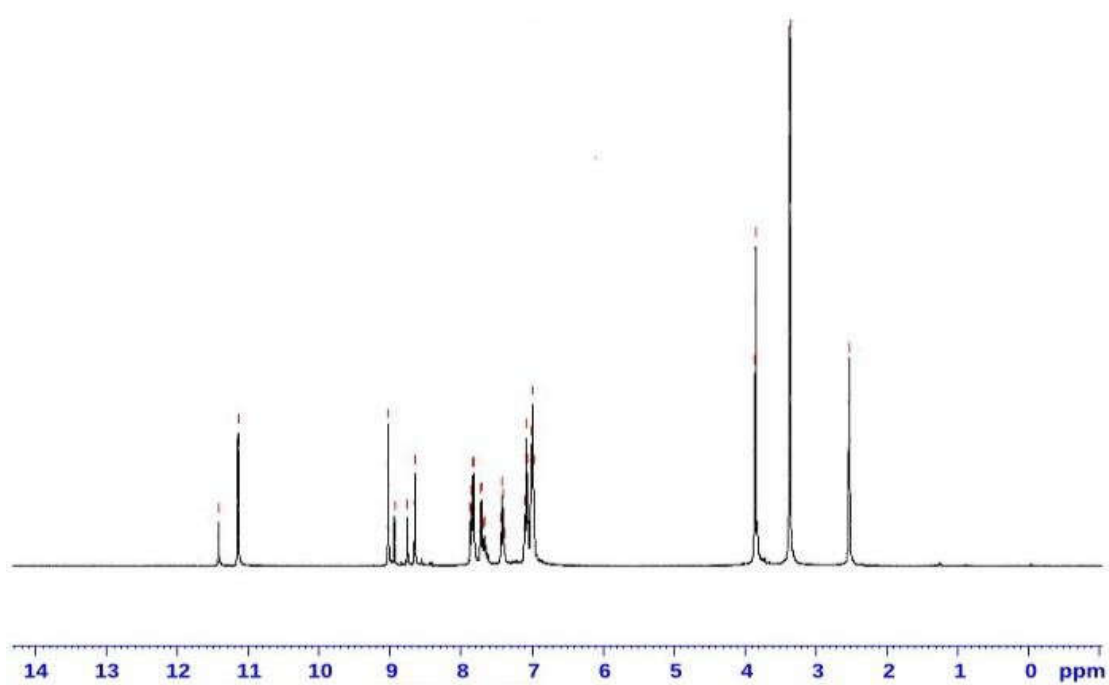


Figure S11:  $^1\text{H}$ -NMR spectrum of compound 8b.

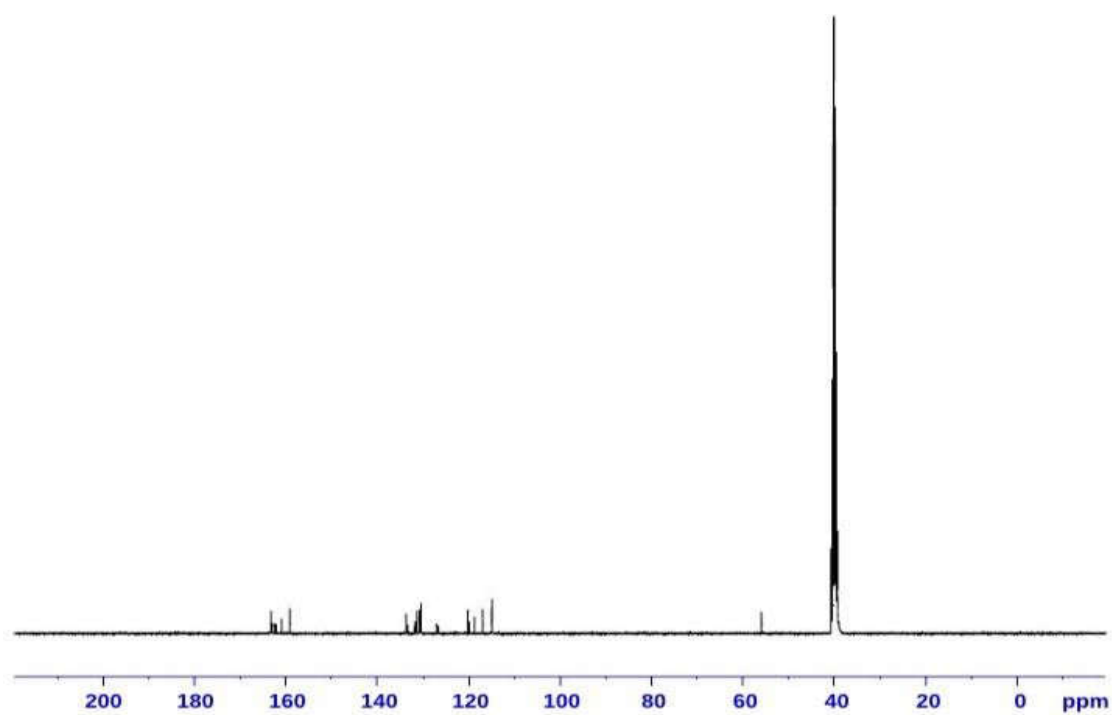


Figure S12:  $^{13}\text{C}$ -NMR spectrum of compound 8b.

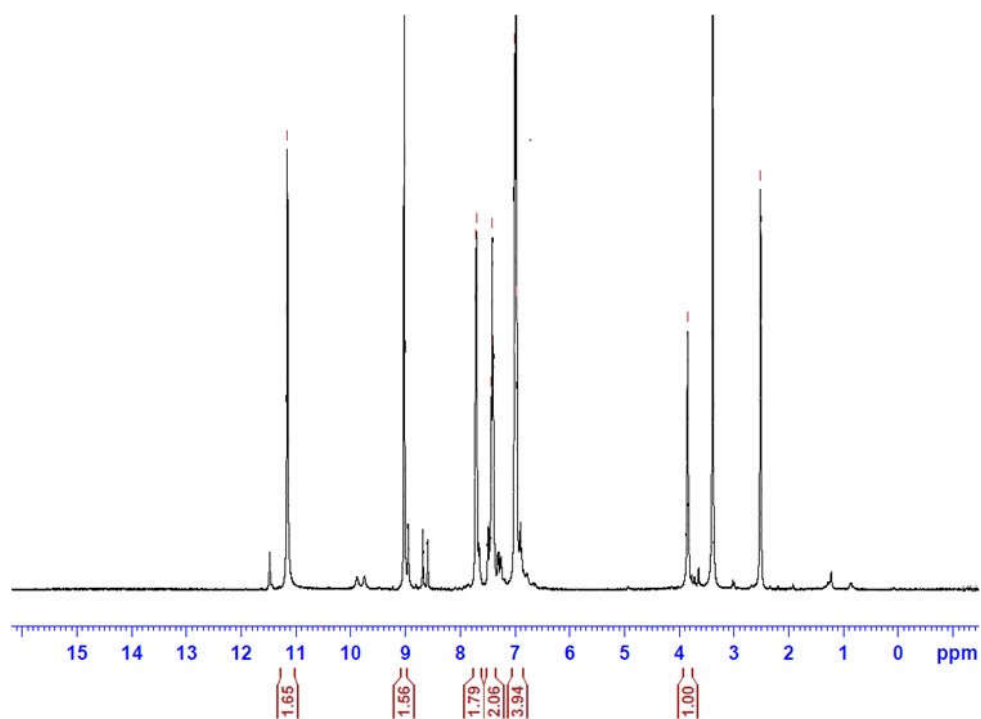


Figure S13:  $^1\text{H}$ -NMR spectrum of compound 8c.

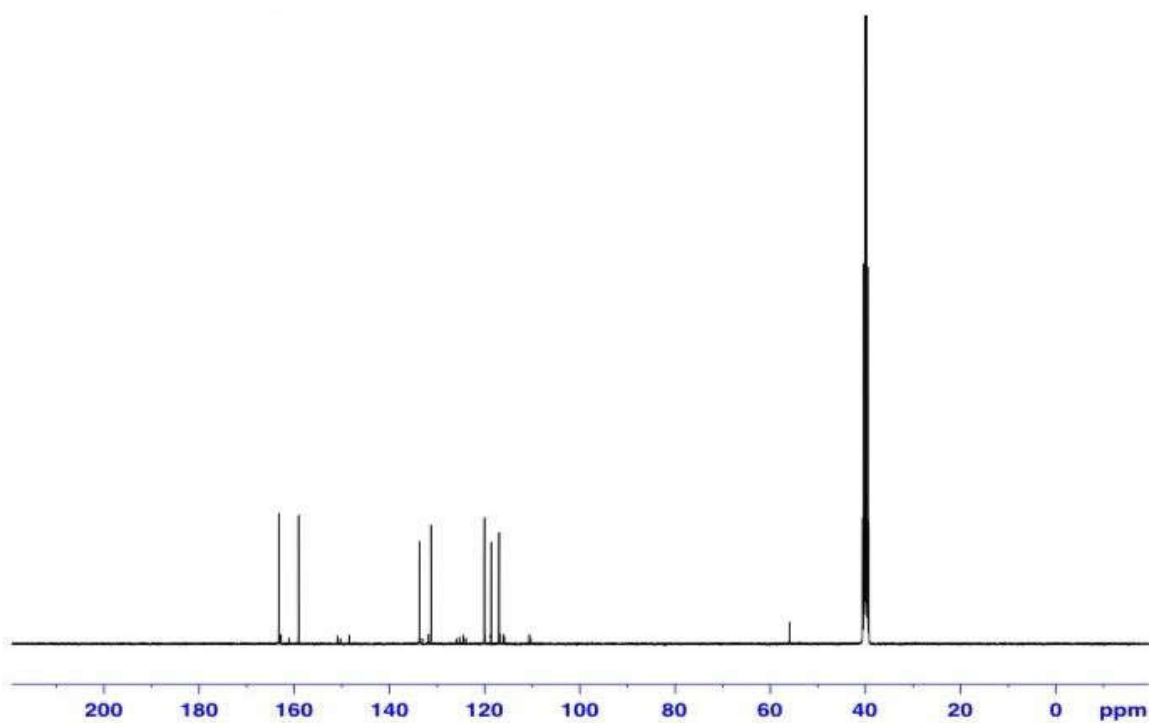


Figure S14:  $^{13}\text{C}$ -NMR spectrum of compound 8c.



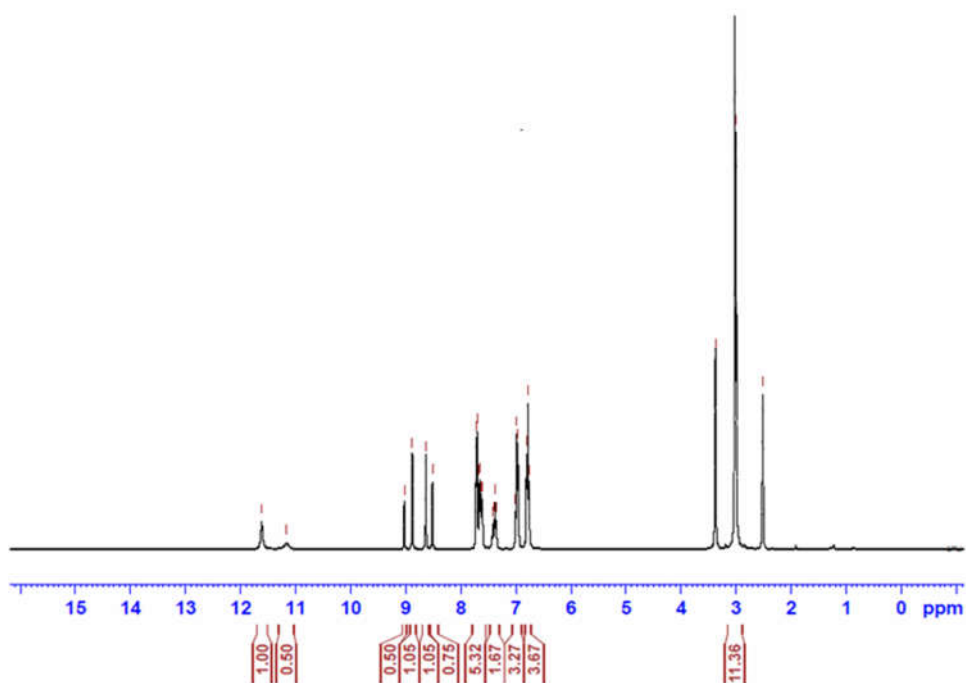


Figure S15:  $^1\text{H}$ -NMR spectrum of compound 8d.

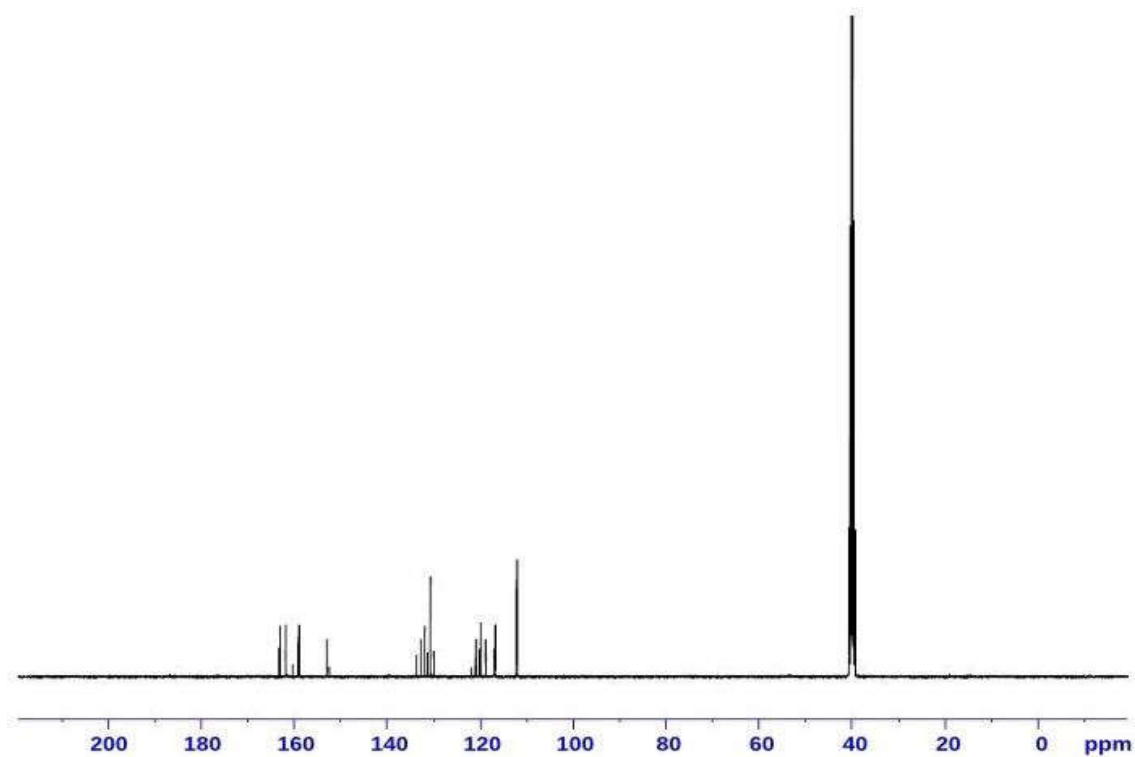


Figure S16:  $^{13}\text{C}$ -NMR spectrum of compound 8d.