

Supporting Information

SYNTHESIS OF N3-SUBSTITUTED QUINAZOLINE-2,4-DIONES VIA C-4 AMINATION-CYCLIZATION OF ISATOIC ANHYDRIDES

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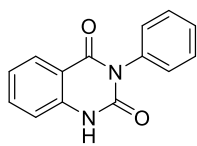
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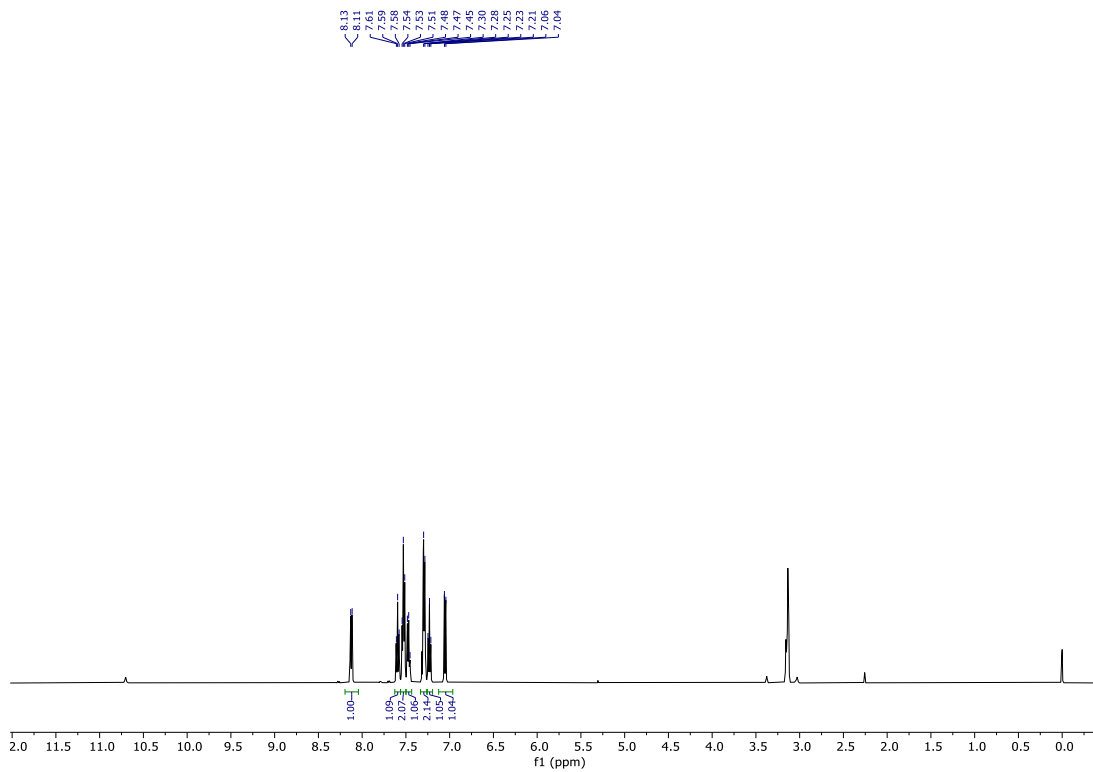
^dResearch Center on Chemistry for Development of Health Promoting Products from Northern Resources, Faculty of Science, Chiang Mai University, Chiang Mai, 50200, Thailand

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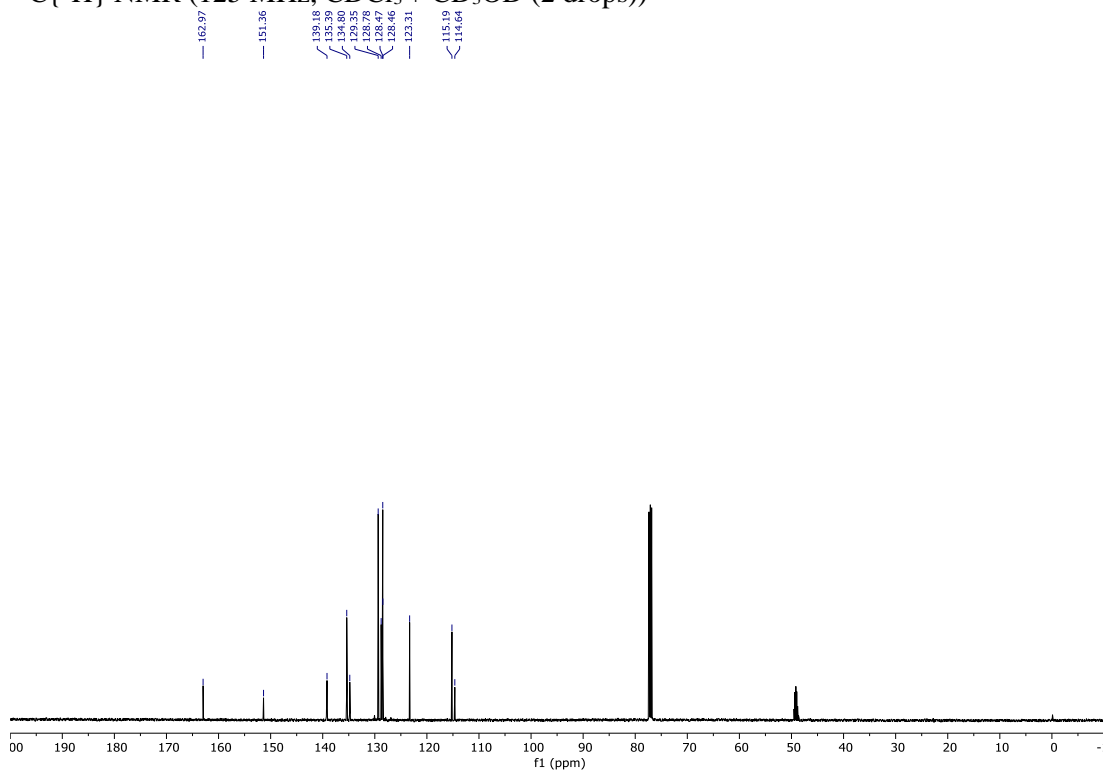
Copies of NMR Spectra

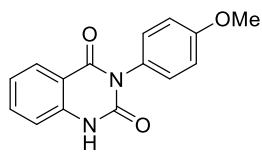


2a; ^1H NMR (500 MHz, $\text{CDCl}_3 + \text{CD}_3\text{OD}$ (2 drops))

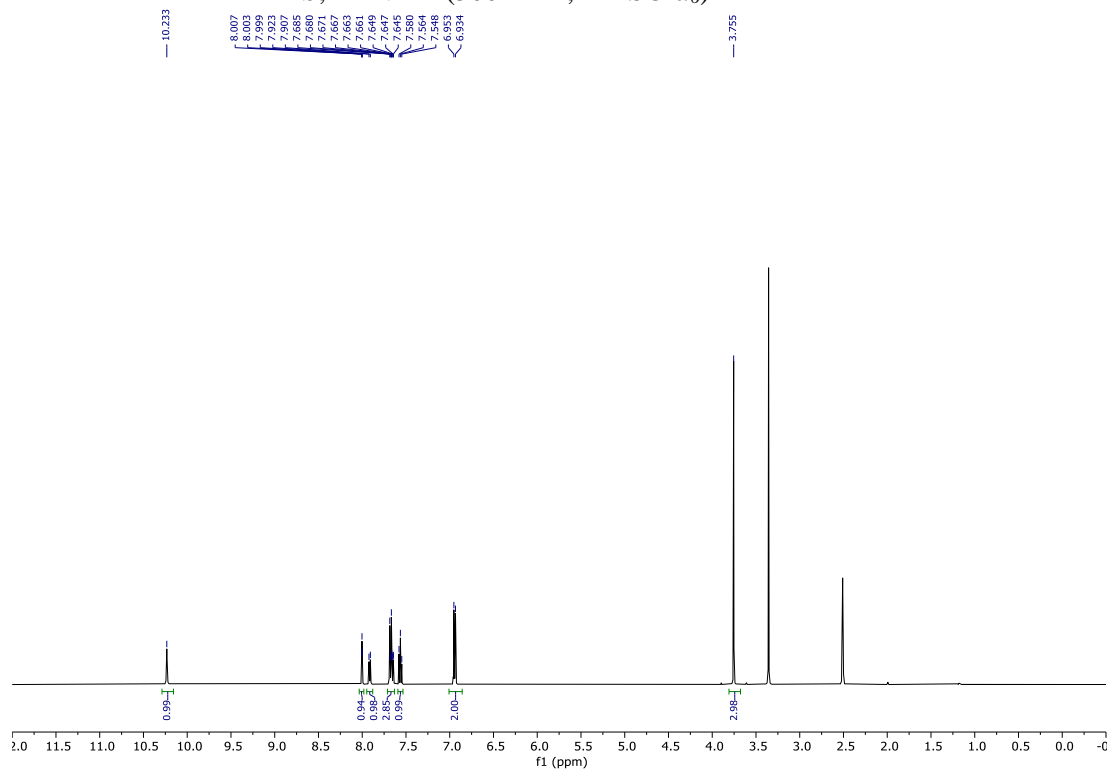


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{CDCl}_3 + \text{CD}_3\text{OD}$ (2 drops))

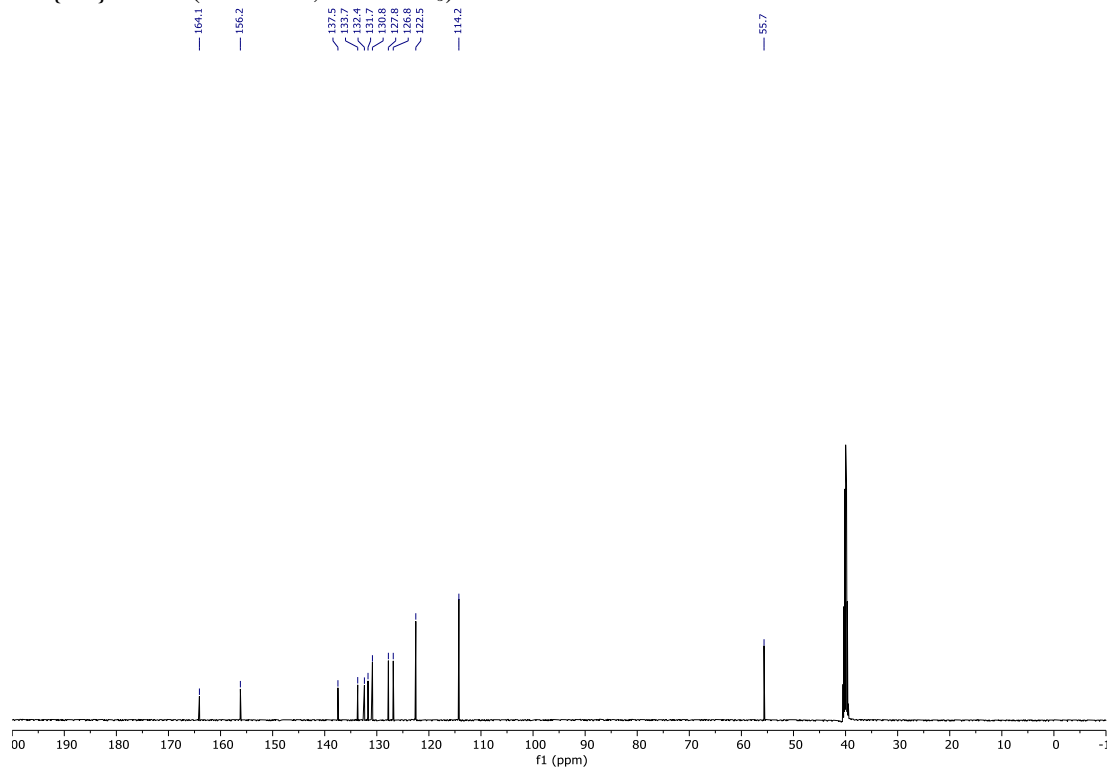


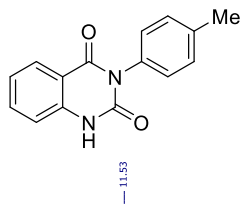


2b; ^1H NMR (500 MHz, $\text{DMSO-}d_6$)

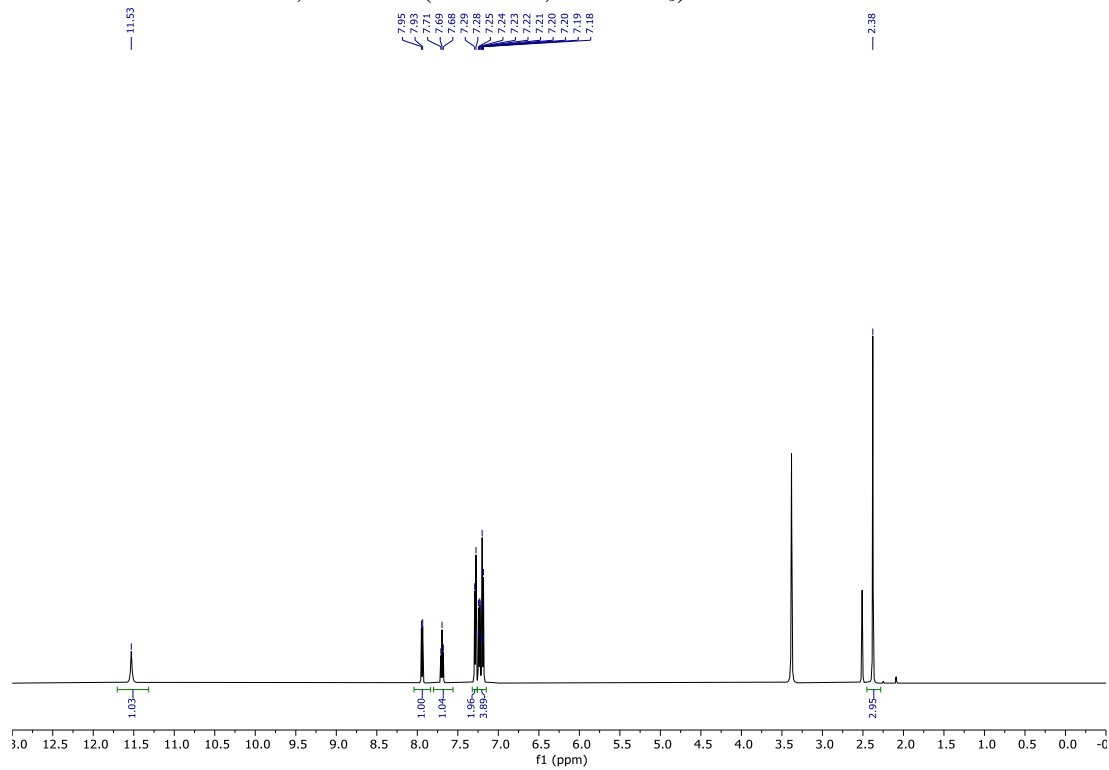


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{DMSO-}d_6$)

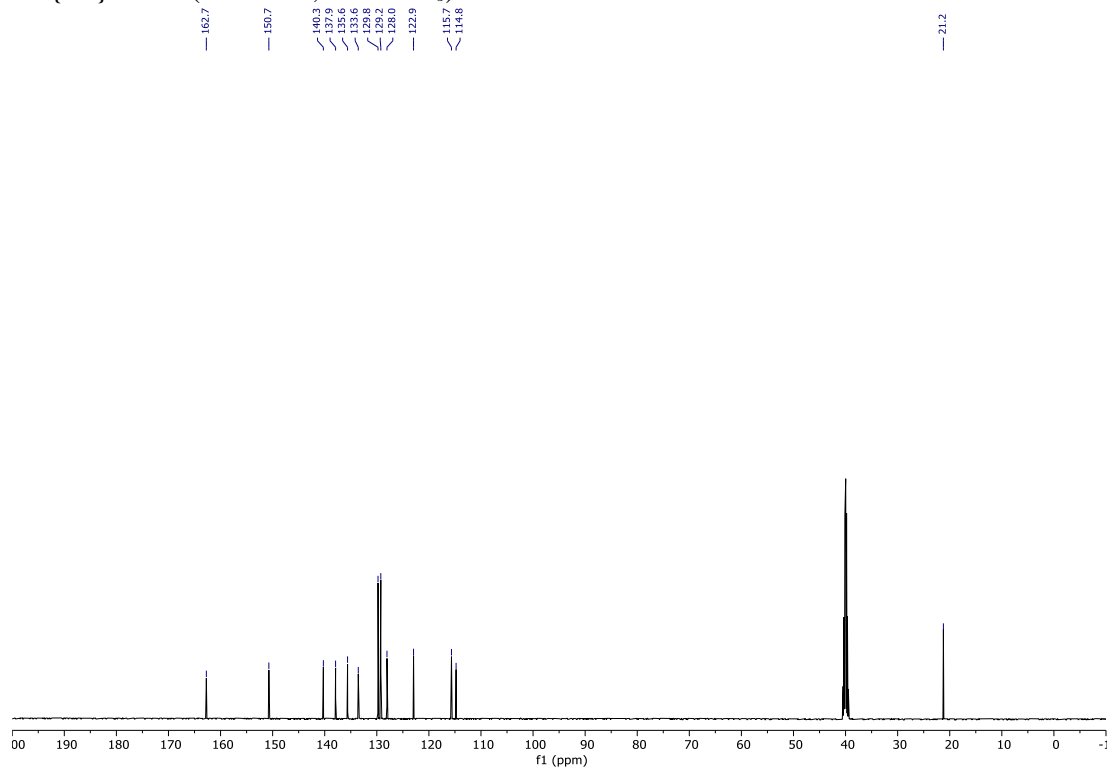


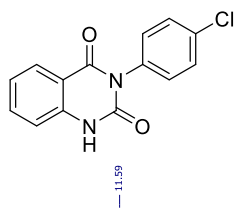


2c; ^1H NMR (500 MHz, $\text{DMSO-}d_6$)

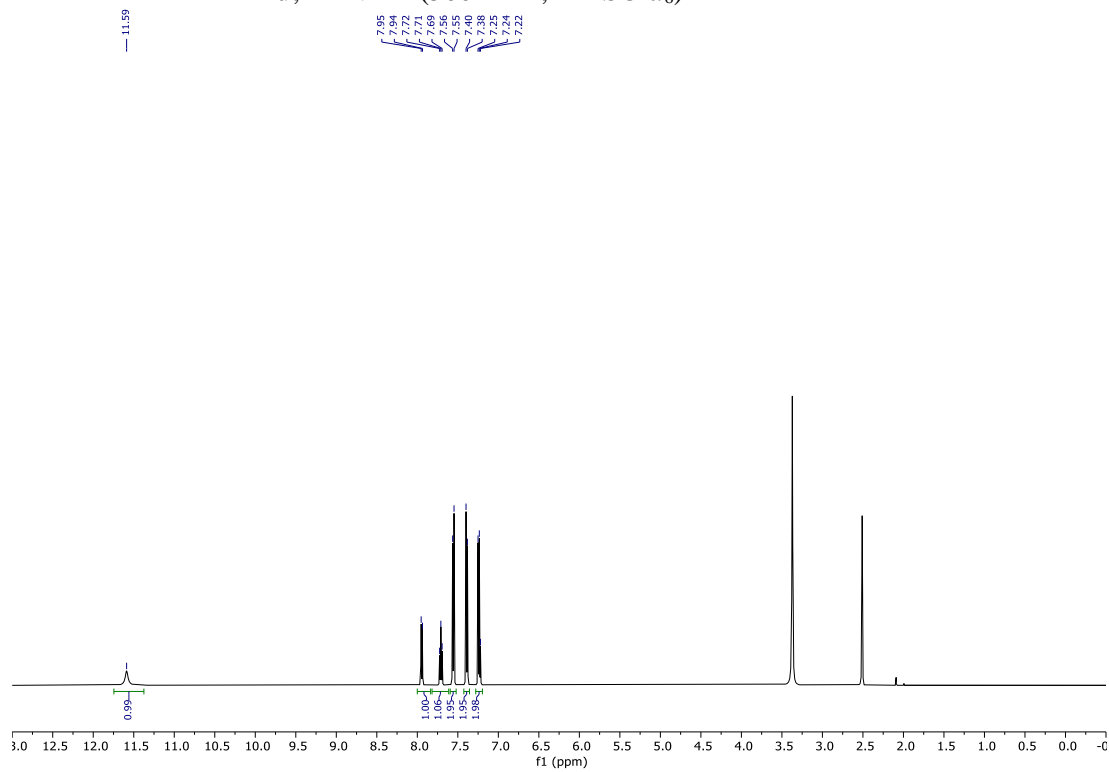


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{DMSO-}d_6$)

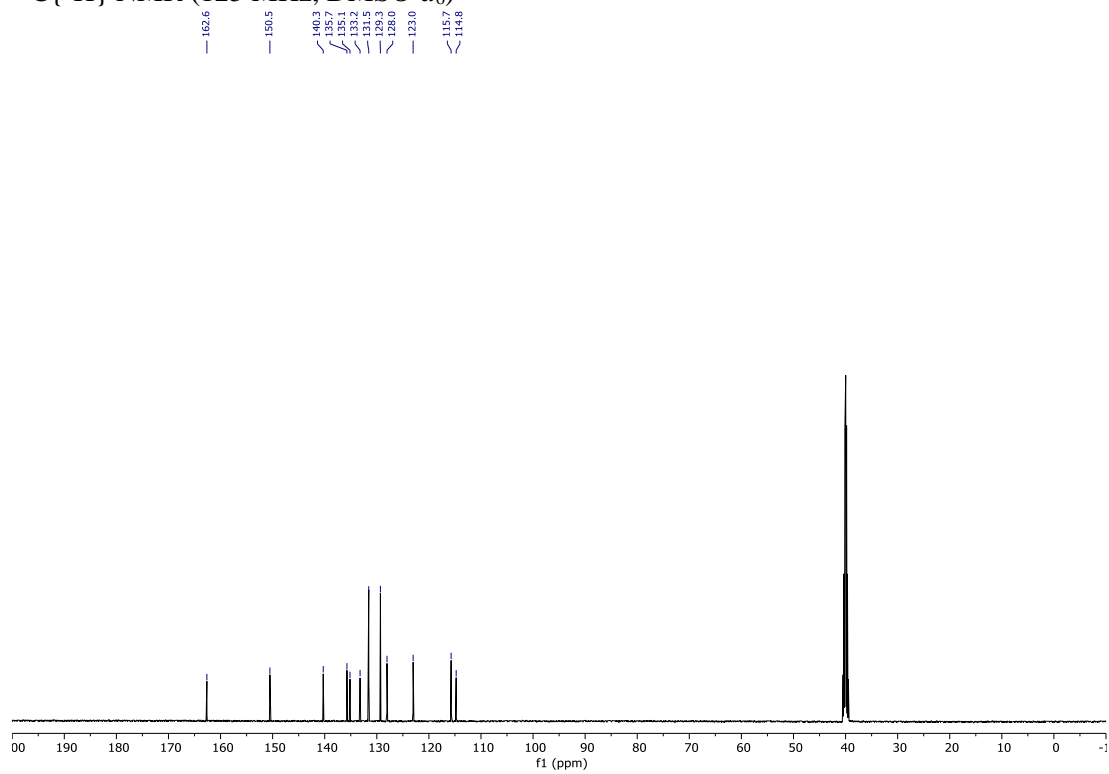


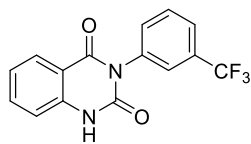


2d; ^1H NMR (500 MHz, $\text{DMSO-}d_6$)

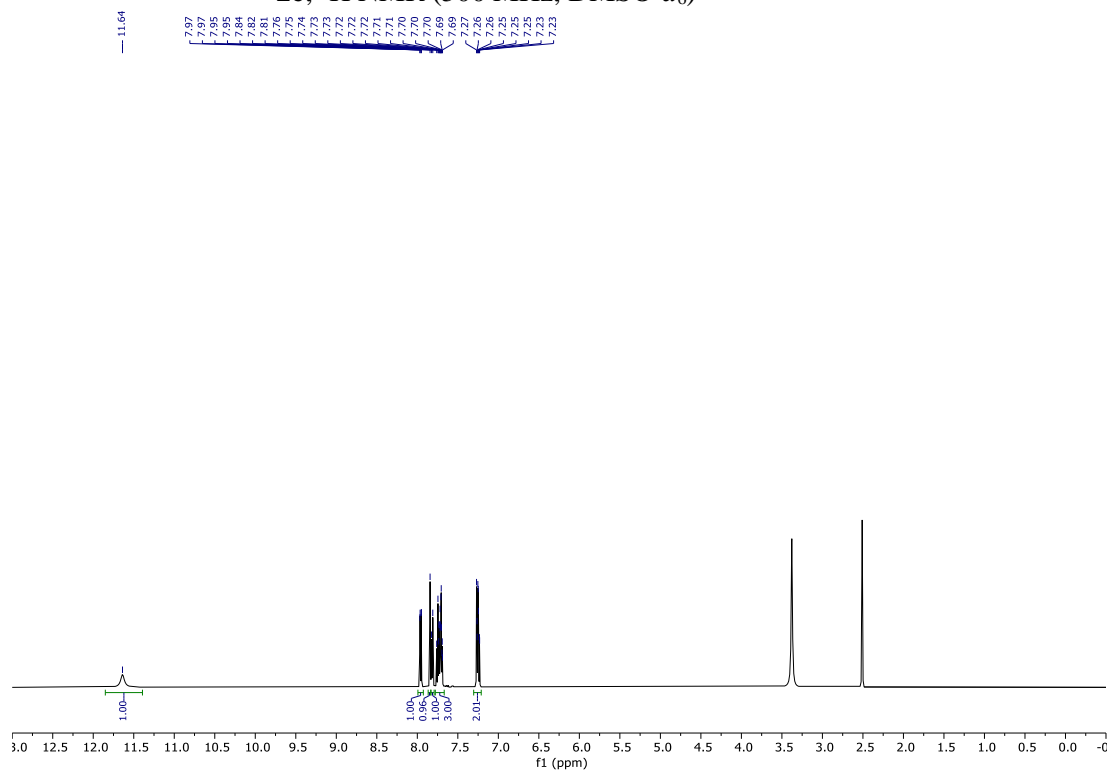


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{DMSO-}d_6$)

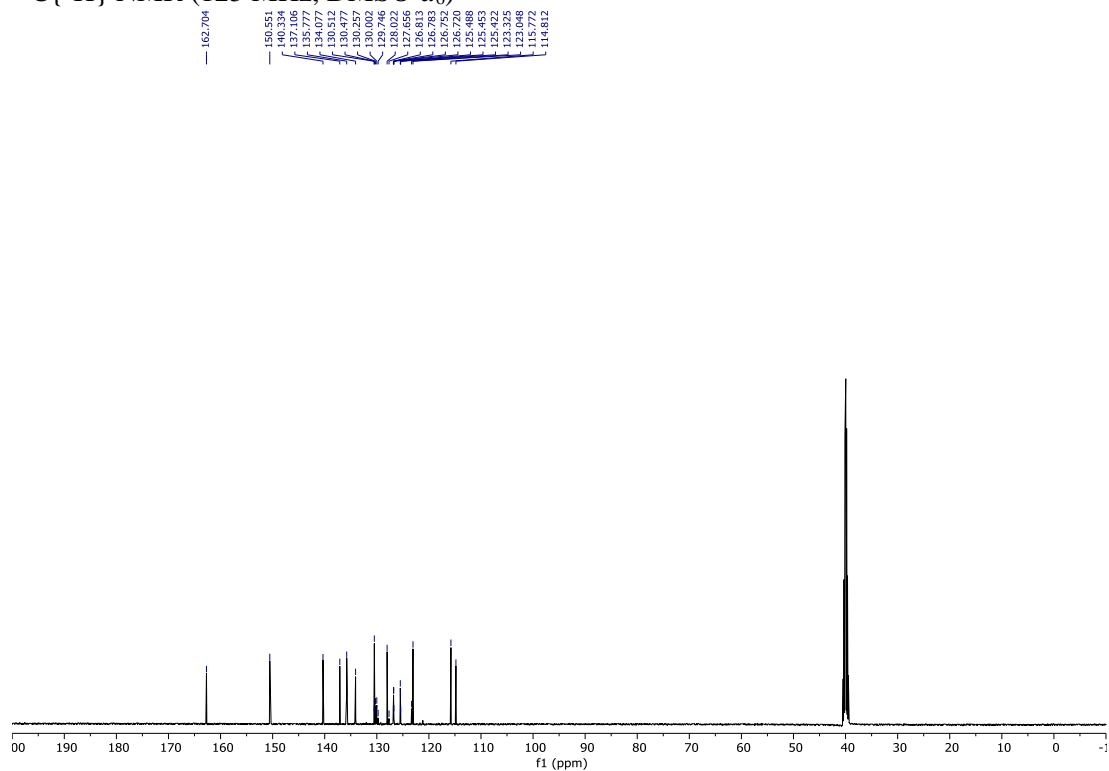


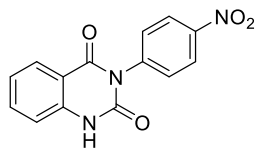


2e; ^1H NMR (500 MHz, $\text{DMSO-}d_6$)

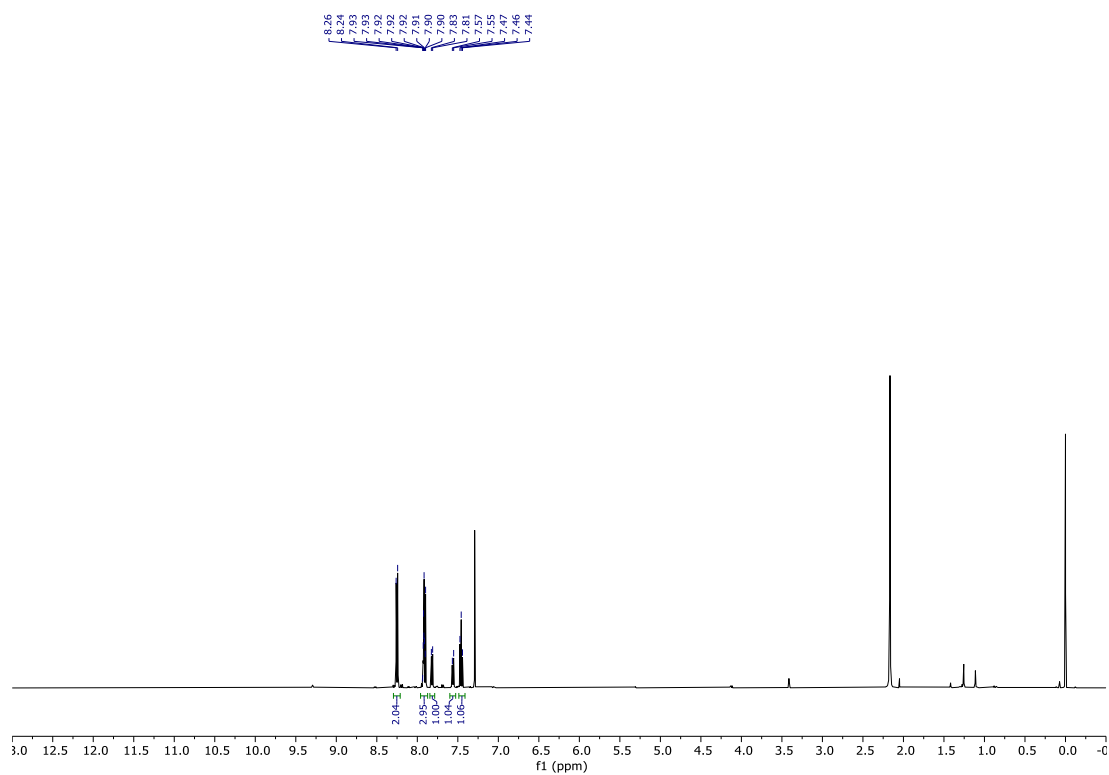


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{DMSO-}d_6$)

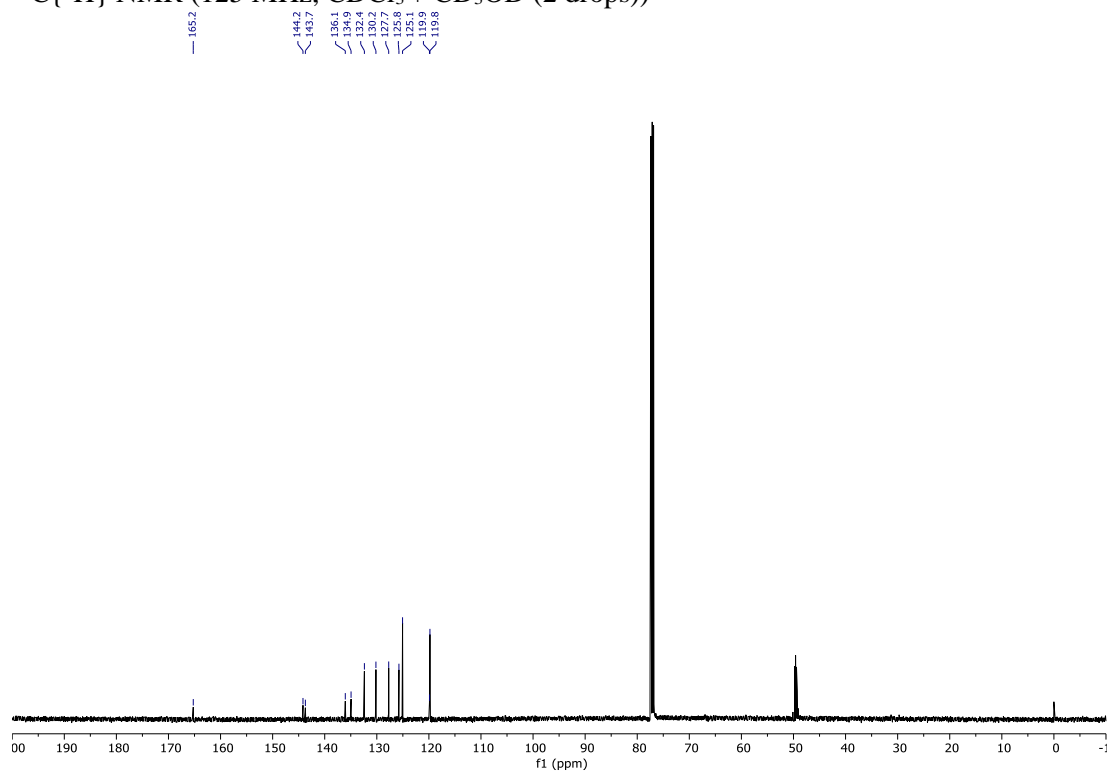


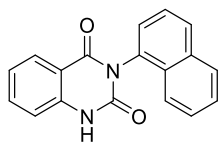


2f; ^1H NMR (500 MHz, $\text{CDCl}_3 + \text{CD}_3\text{OD}$ (2 drops))

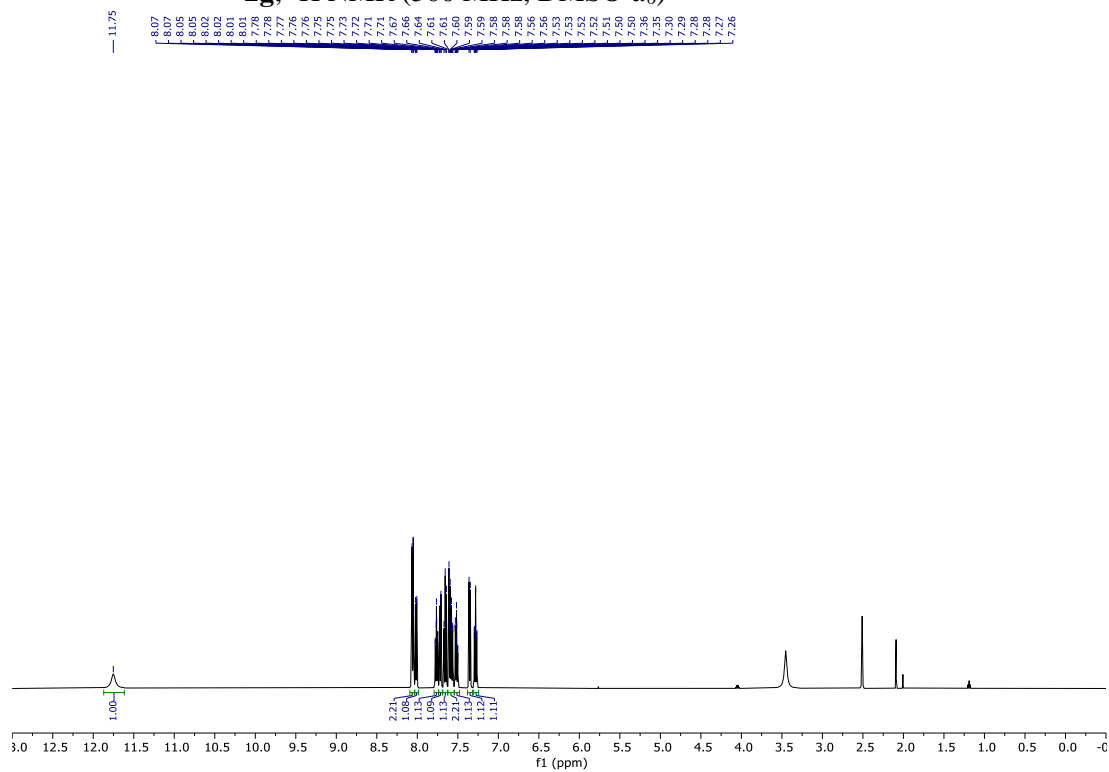


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{CDCl}_3 + \text{CD}_3\text{OD}$ (2 drops))

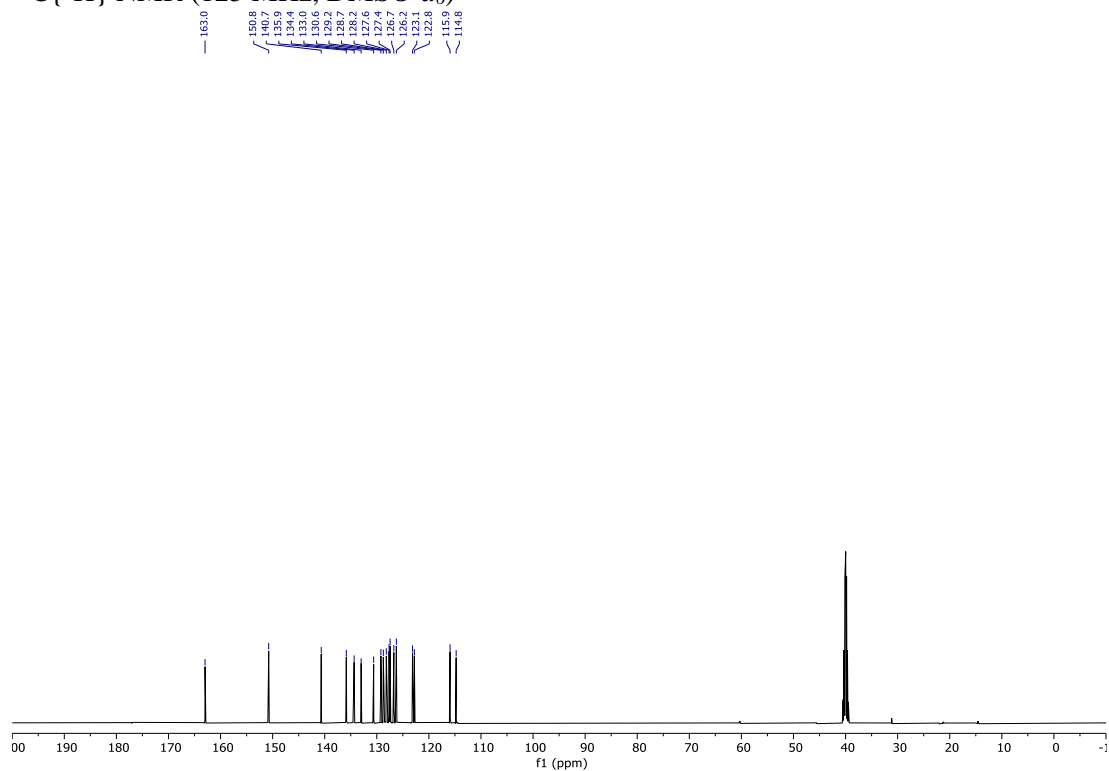


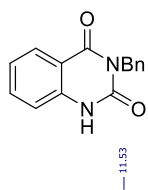


2g: ^1H NMR (500 MHz, $\text{DMSO-}d_6$)

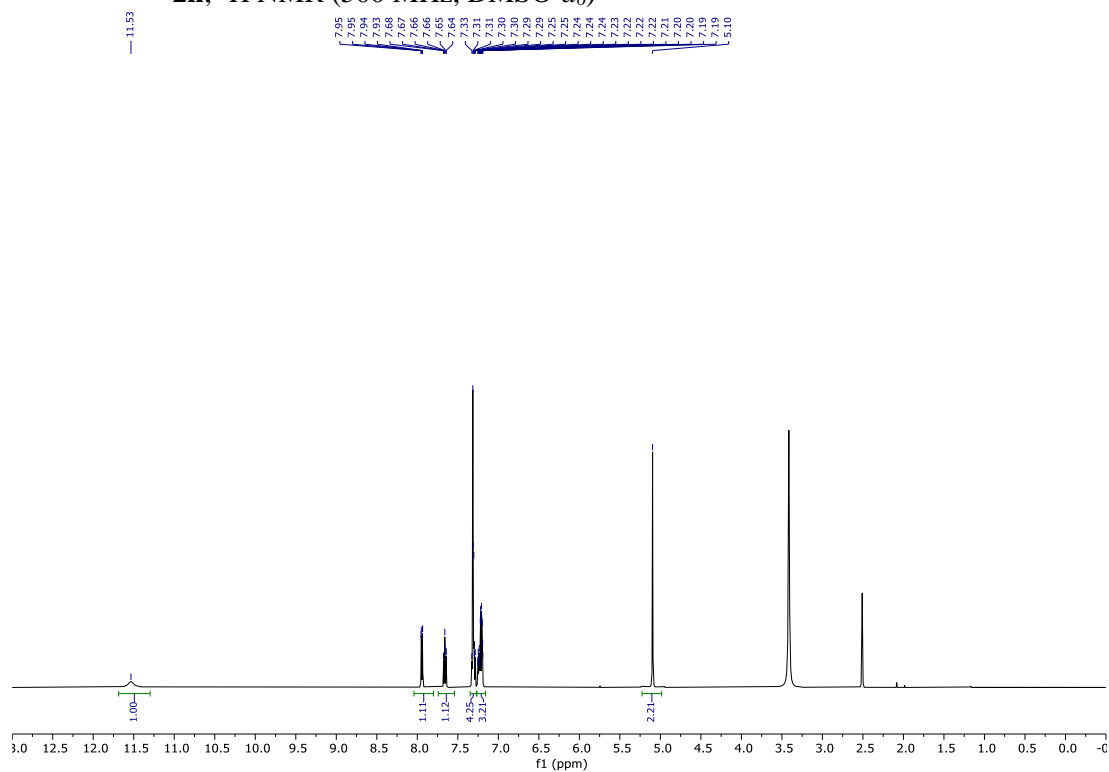


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{DMSO-}d_6$)

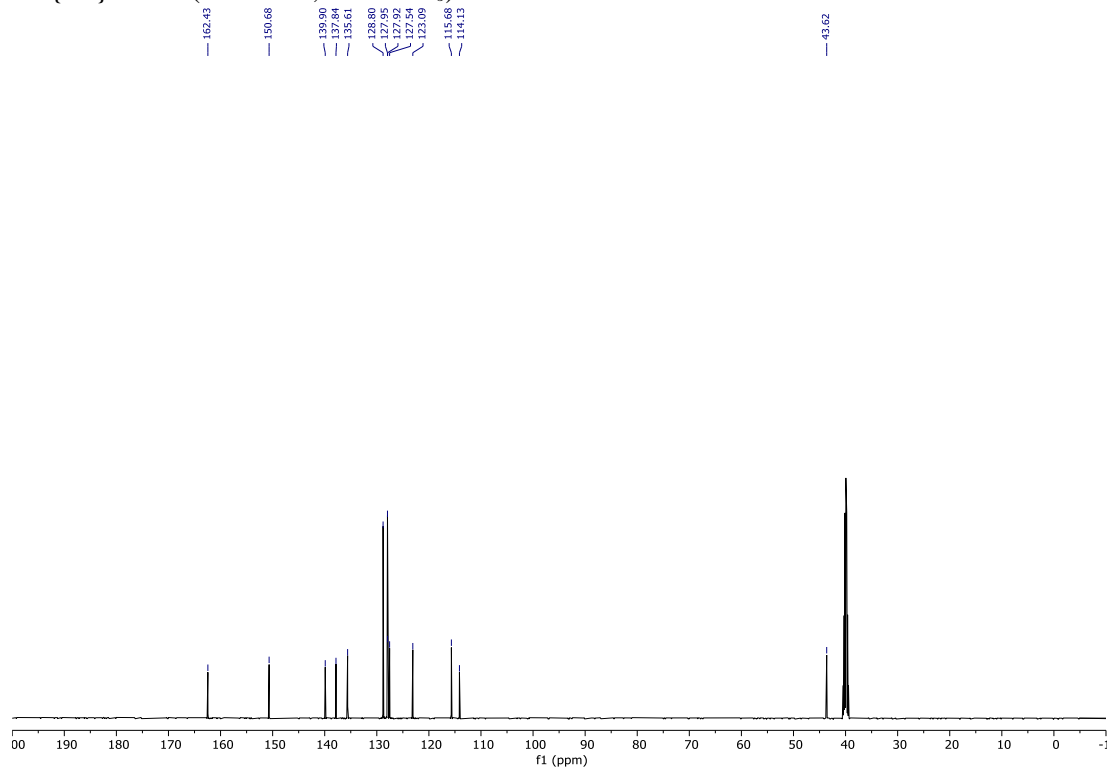


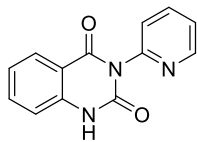


2h; ^1H NMR (500 MHz, $\text{DMSO-}d_6$)

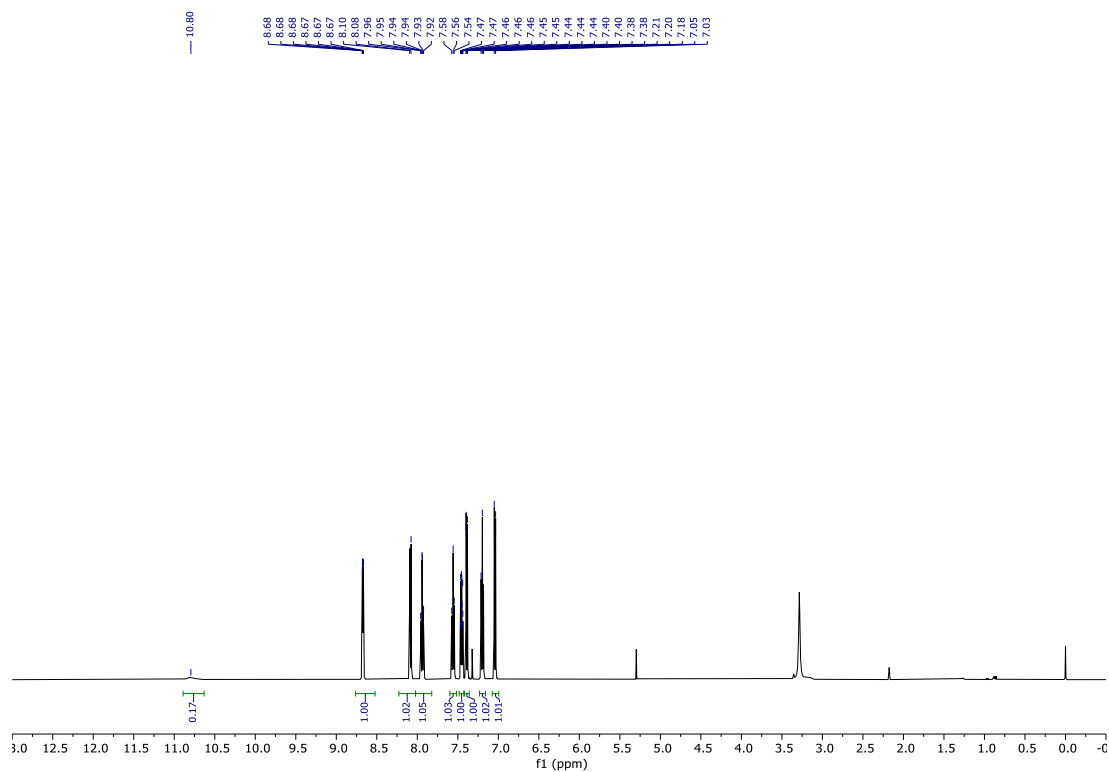


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{DMSO-}d_6$)

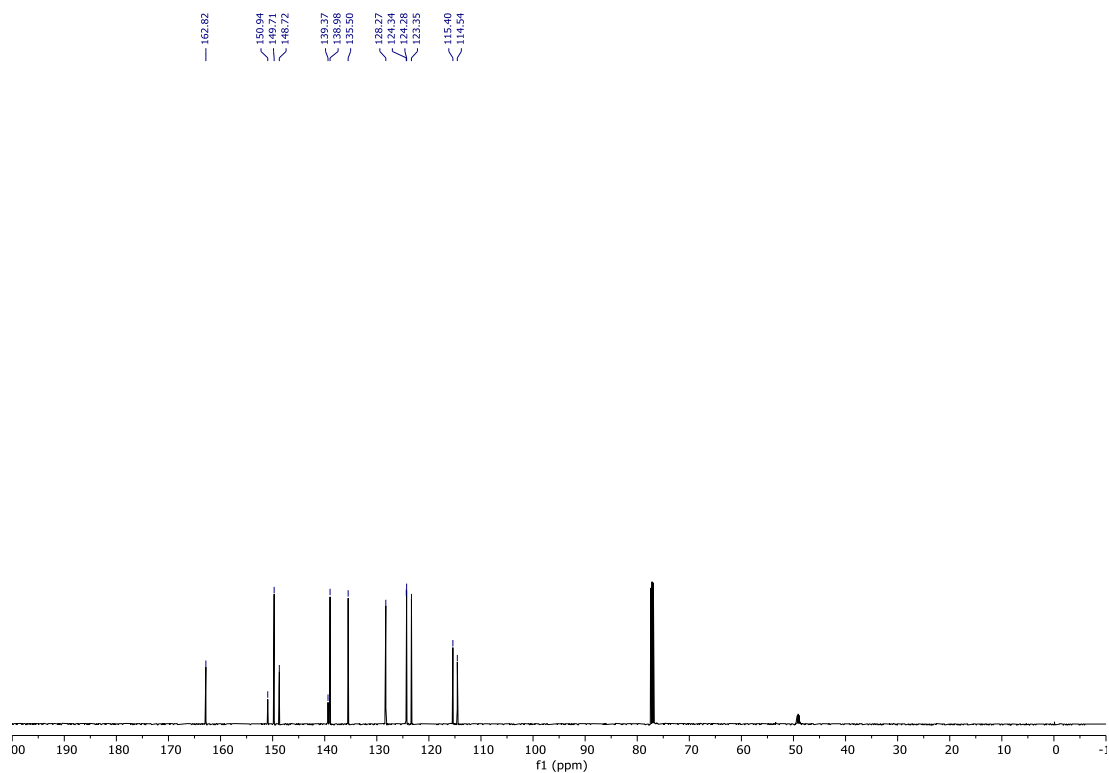


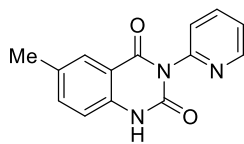


2i; ^1H NMR (500 MHz, CDCl_3)

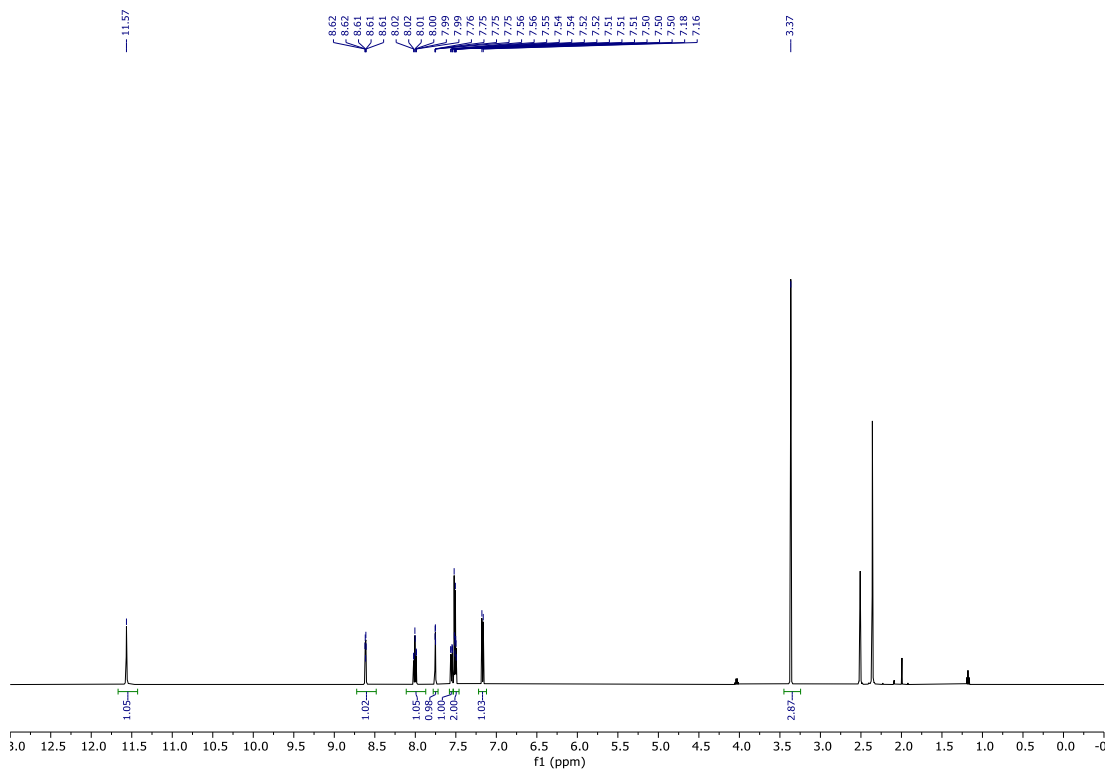


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, CDCl_3)

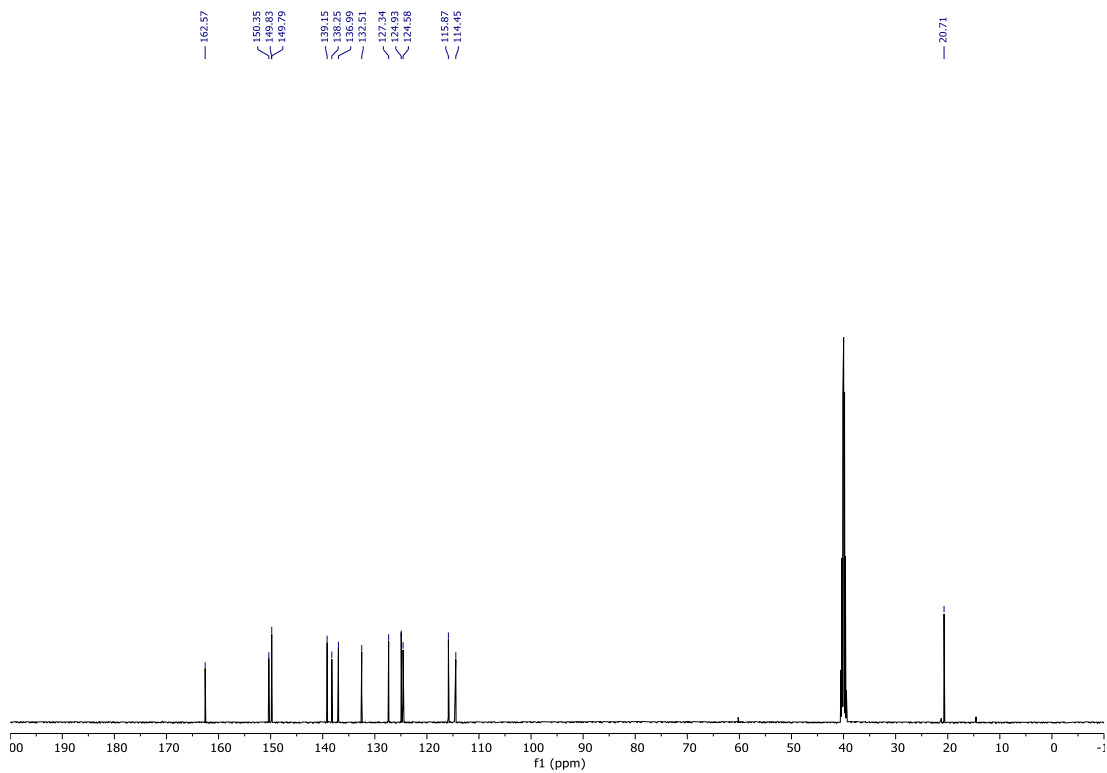


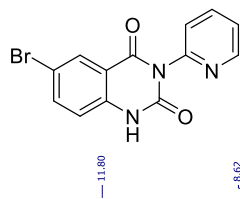


2j (R = 4-Me-Ph); ^1H NMR (500 MHz, $\text{DMSO-}d_6$)

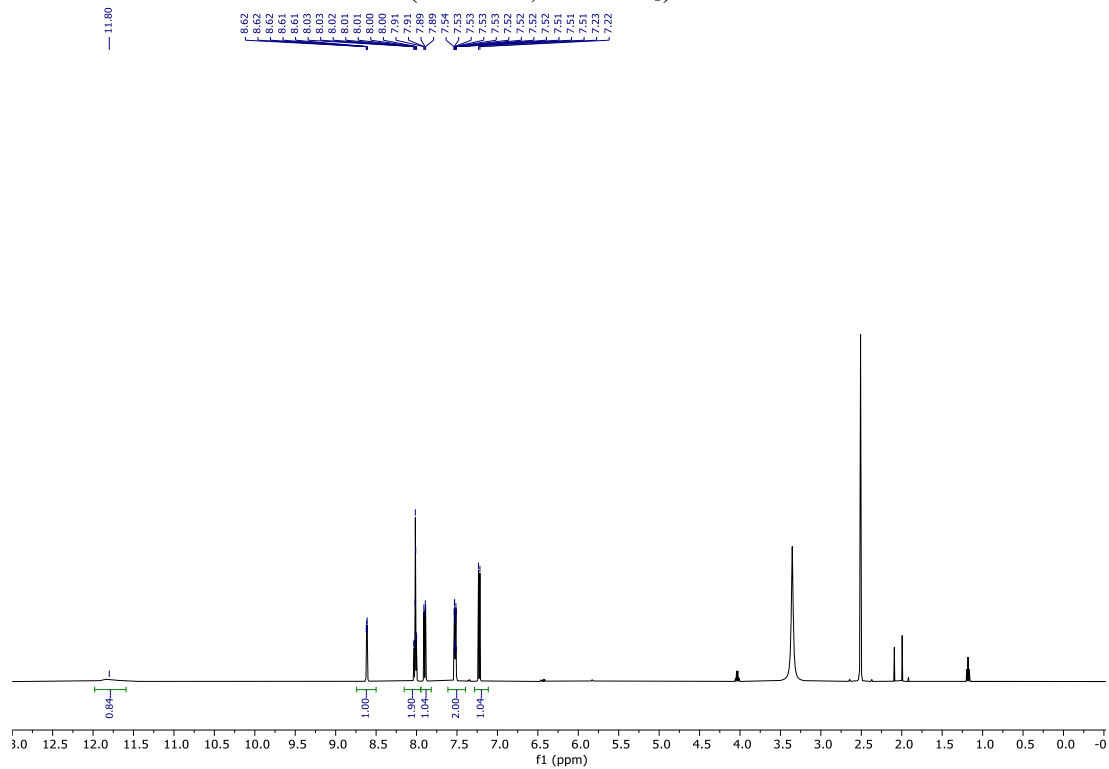


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{DMSO-}d_6$)

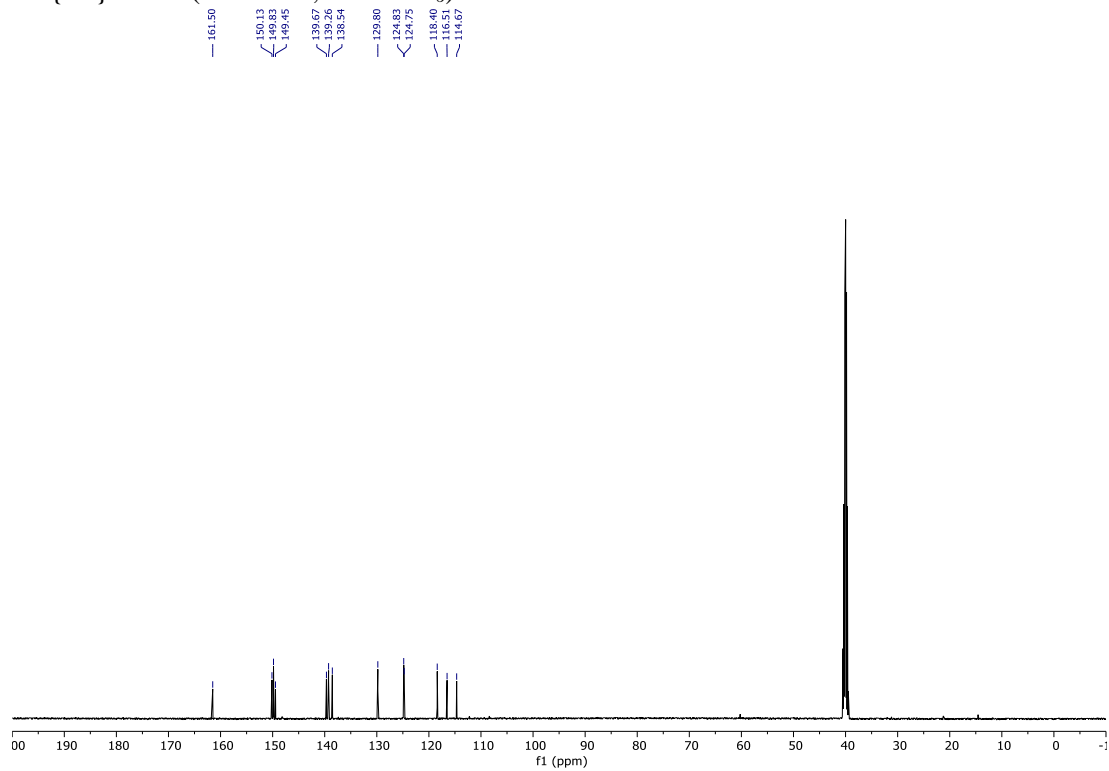


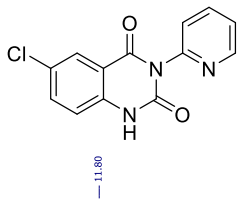


2k ^1H NMR (500 MHz, $\text{DMSO-}d_6$)

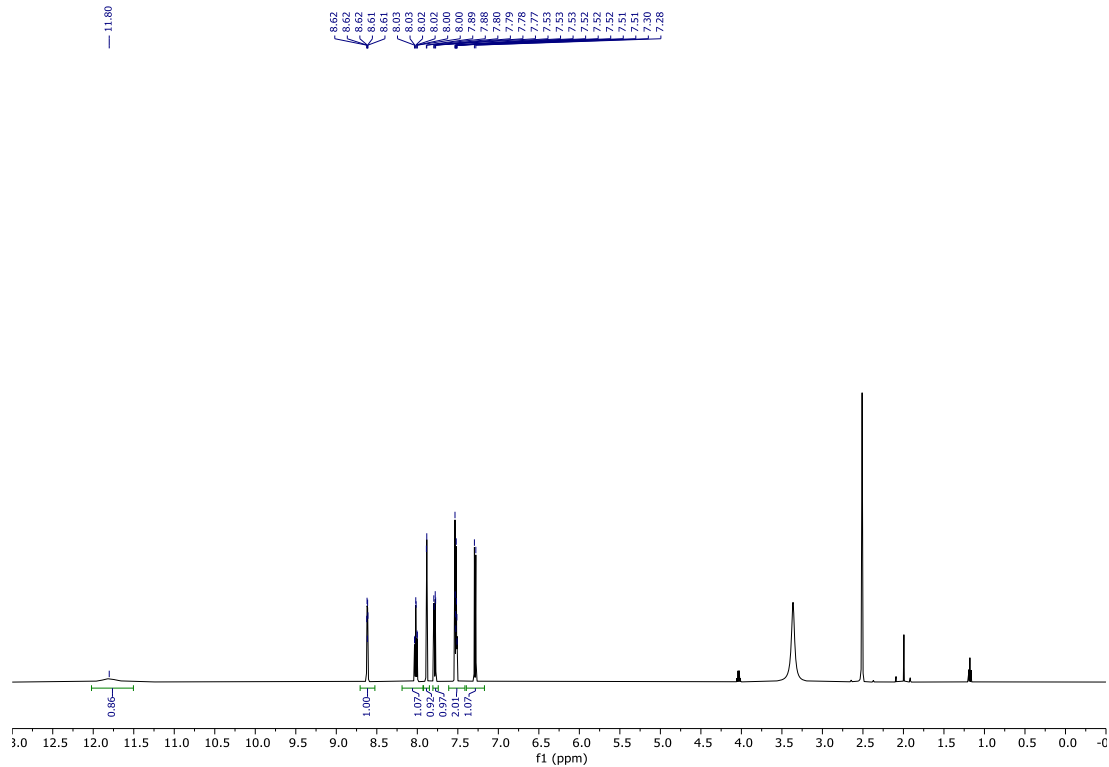


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{DMSO-}d_6$)

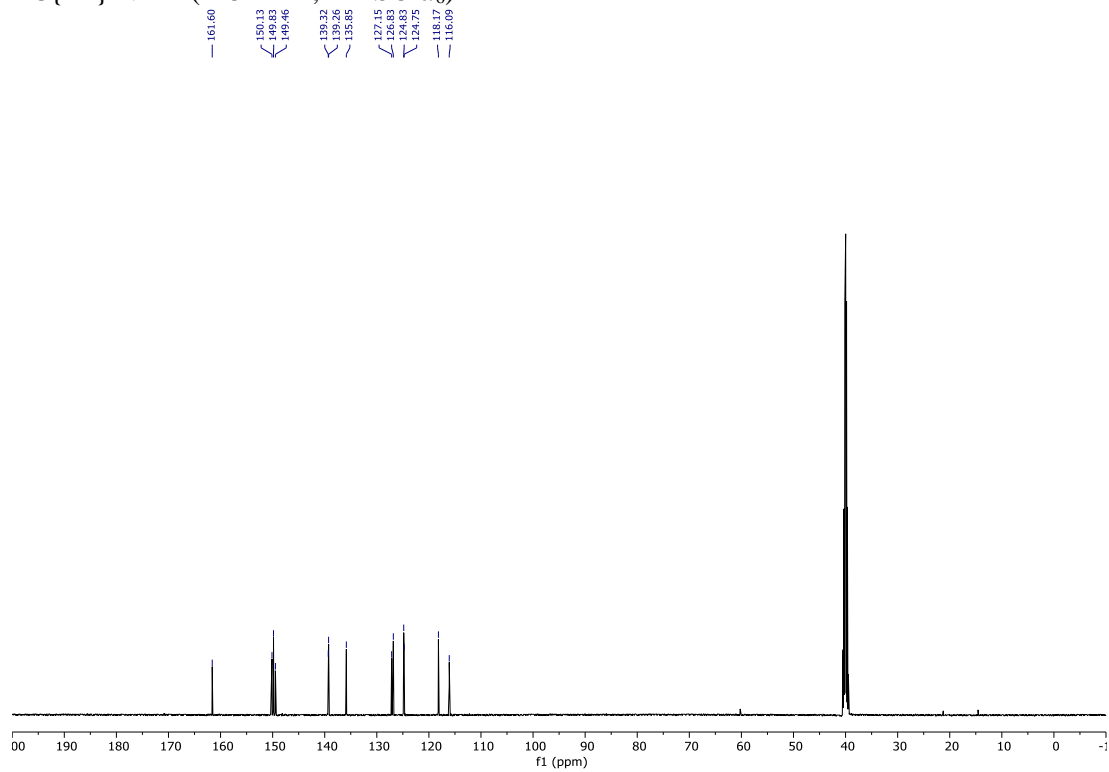


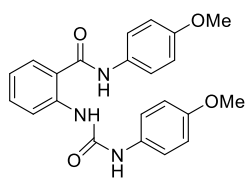


21 ^1H NMR (500 MHz, $\text{DMSO-}d_6$)

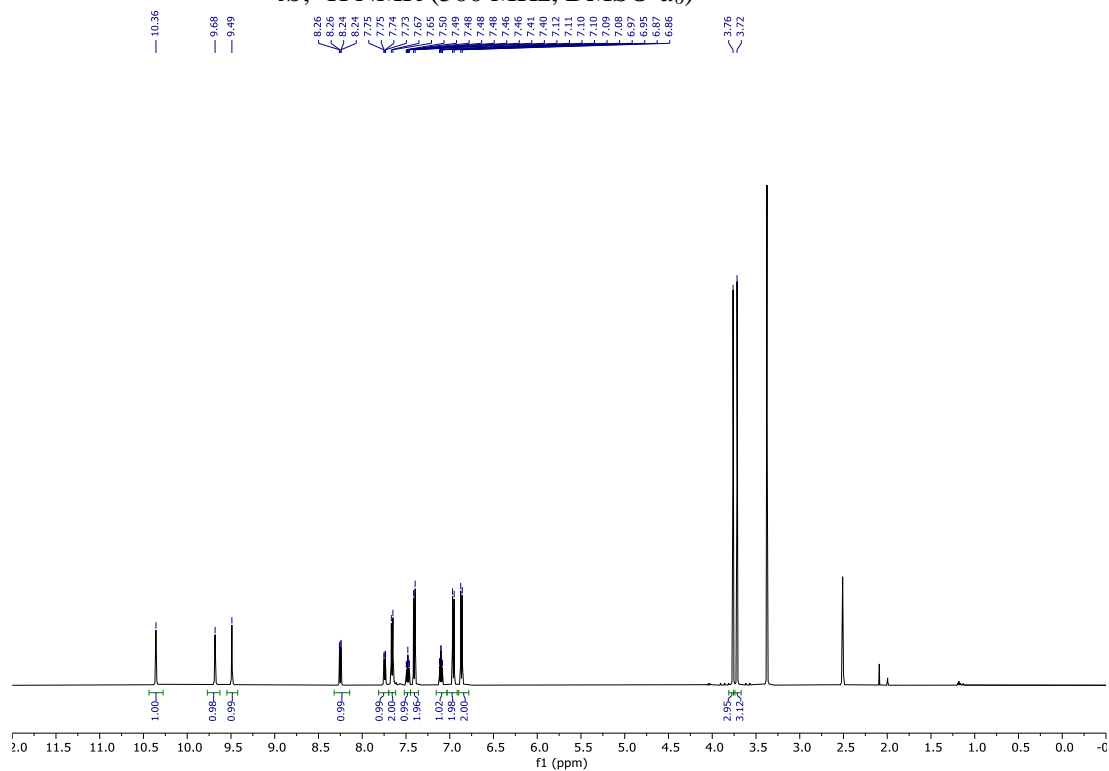


$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{DMSO-}d_6$)





4b; ^1H NMR (500 MHz, $\text{DMSO-}d_6$)



$^{13}\text{C}\{^1\text{H}\}$ NMR (125 MHz, $\text{DMSO-}d_6$)

