

Electronic Supplementary Information

Investigation of the *In Vitro* Anticancer Potential of Bis(imino)acenaphthene-*N*-Heterocyclic Carbene Transition Metal Complexes Revealed TrxR Inhibition and Triggering of Immunogenic Cell Death (ICD) for Allyl Palladates

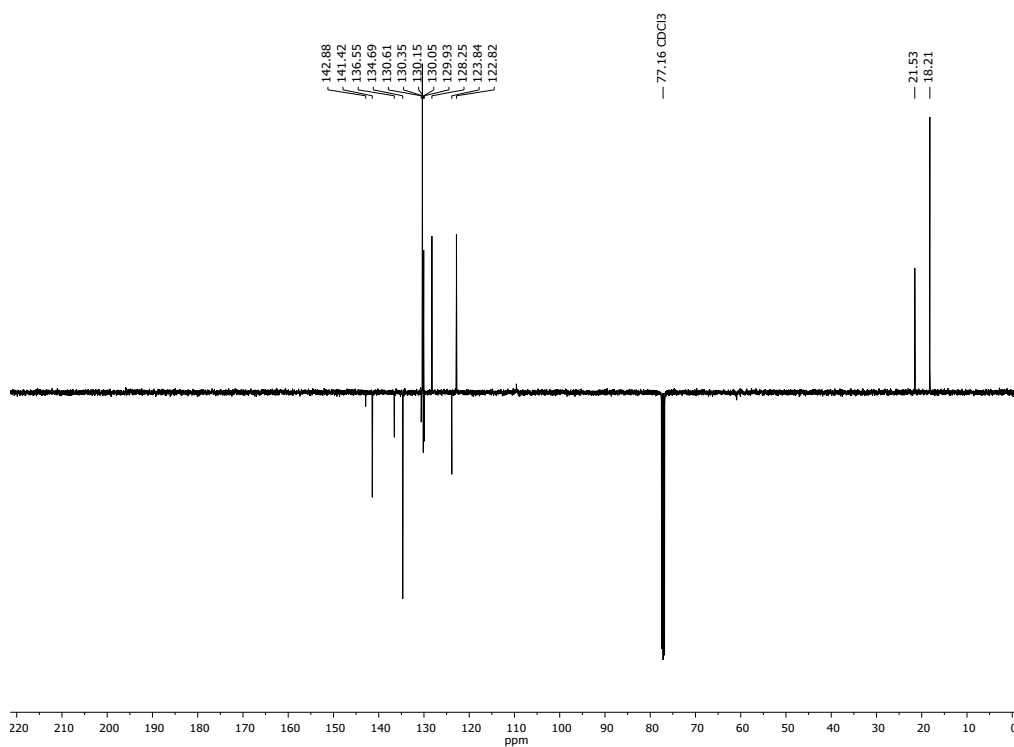
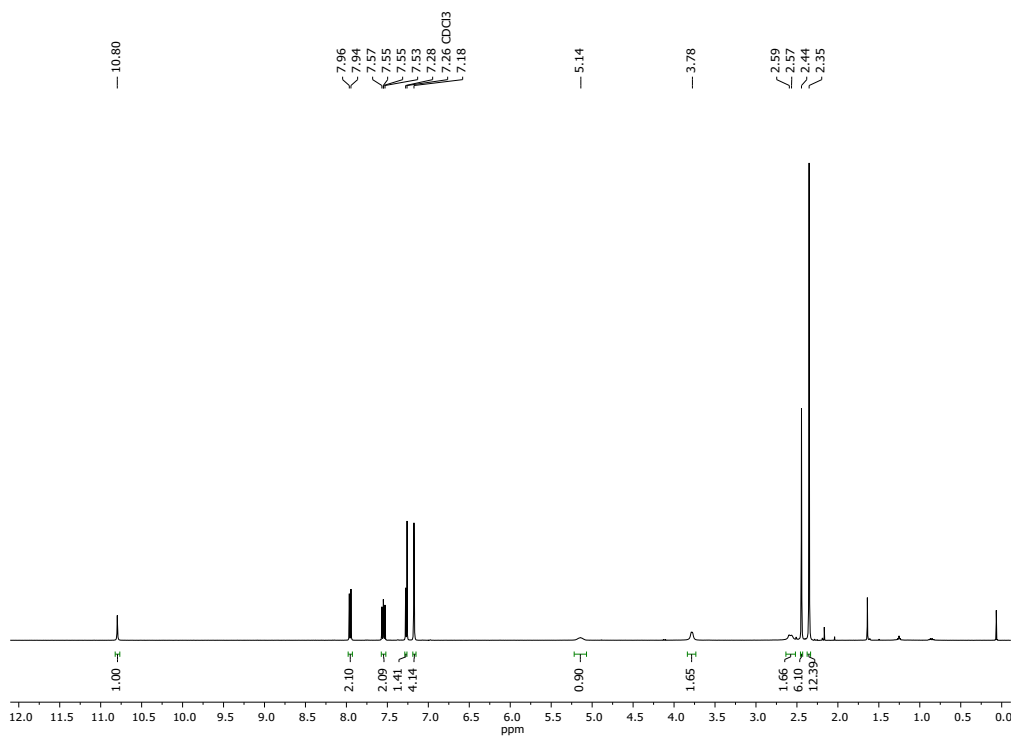
Chiara Donati,^a Ishfaq Ibni Hashim,^b Nestor Bracho Pozsoni,^b Laurens Bourda,^b Kristof Van Hecke,^b Catherine S. J. Cazin,^b Fabiano Visentin,^c Steven P. Nolan,^{b,*} Valentina Gandin,^{a,*} and Thomas Scattolin^{d,*}

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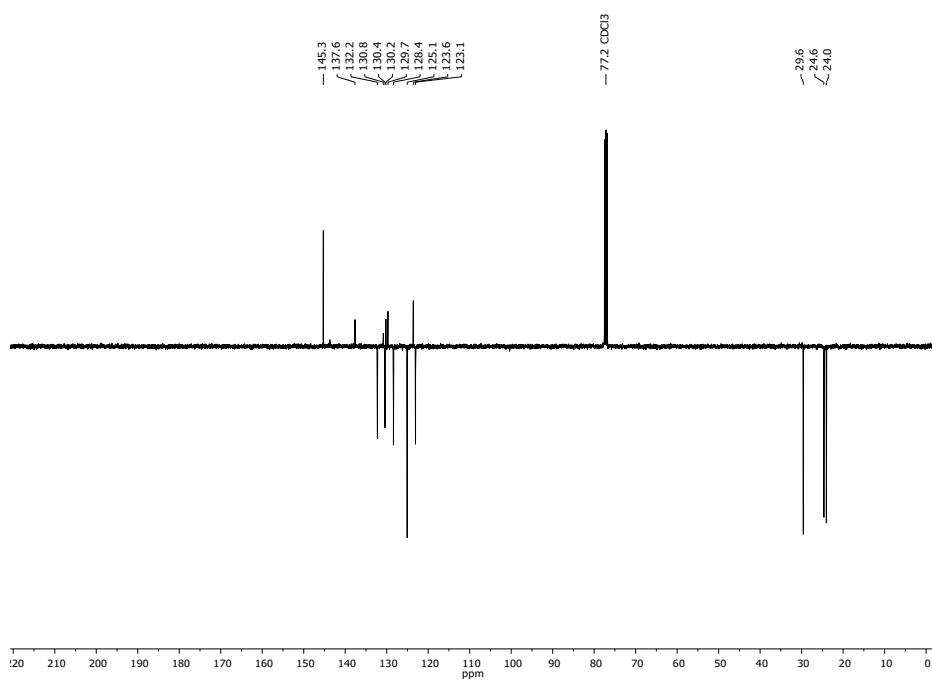
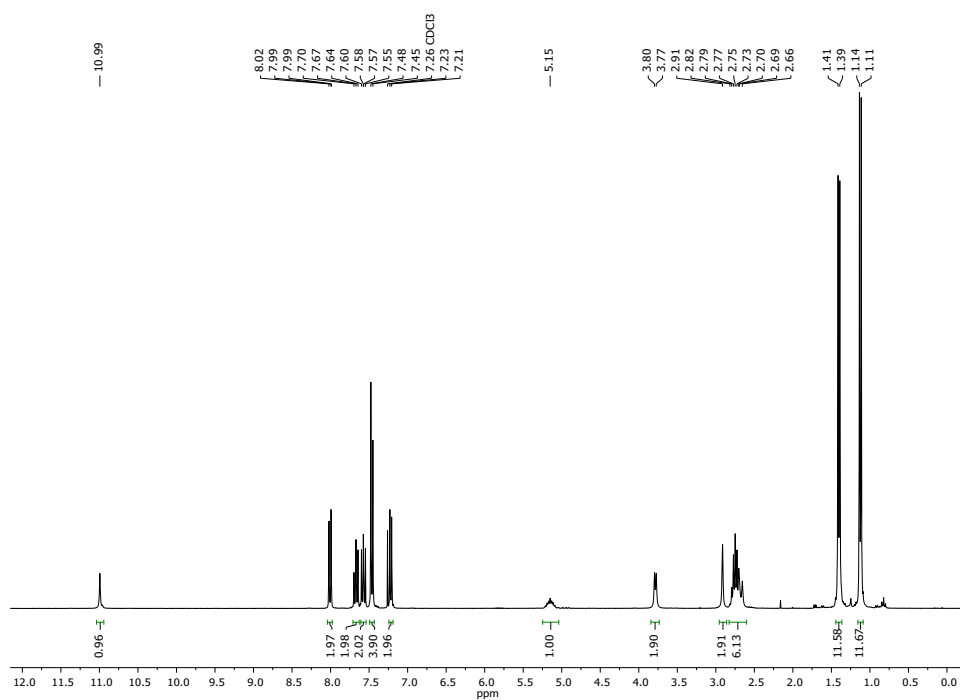
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NMR spectra

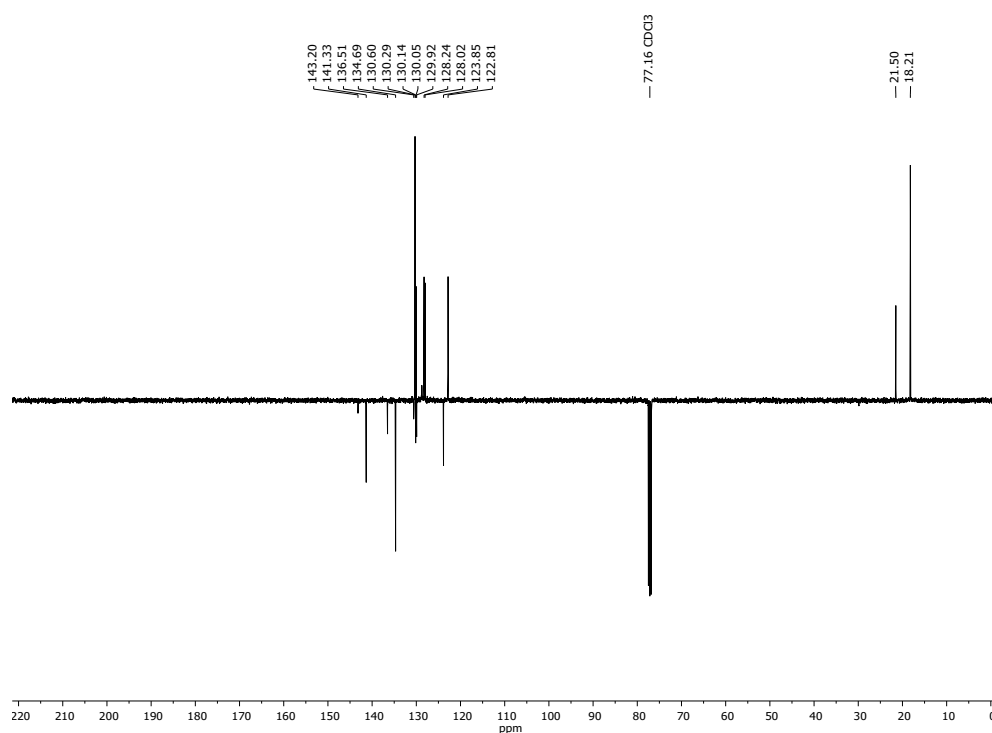
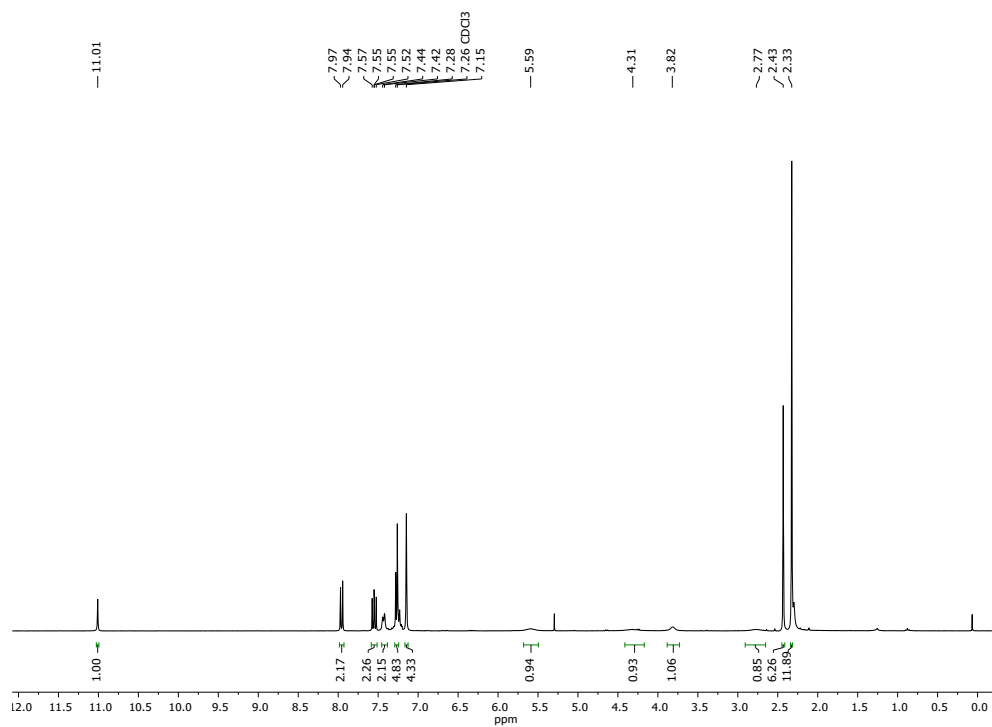
^1H NMR and ^{13}C $\{^1\text{H}\}$ NMR for 2a



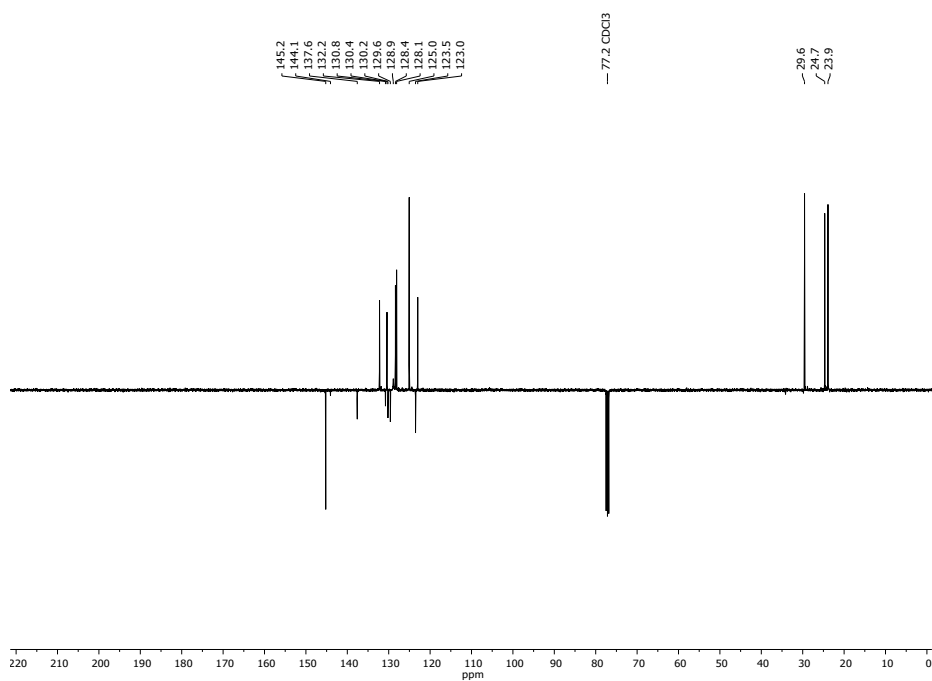
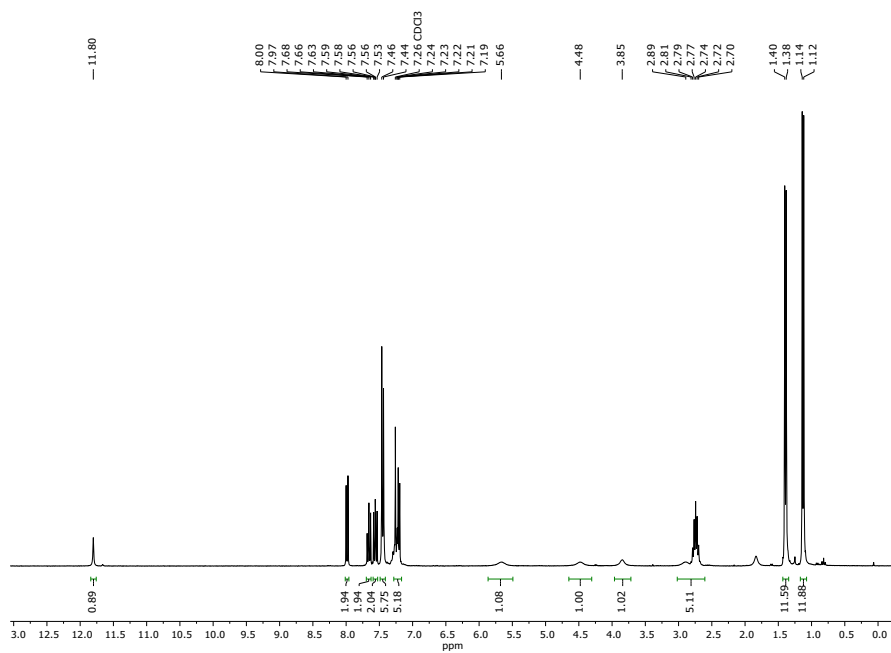
^1H NMR and ^{13}C $\{^1\text{H}\}$ NMR for 2b



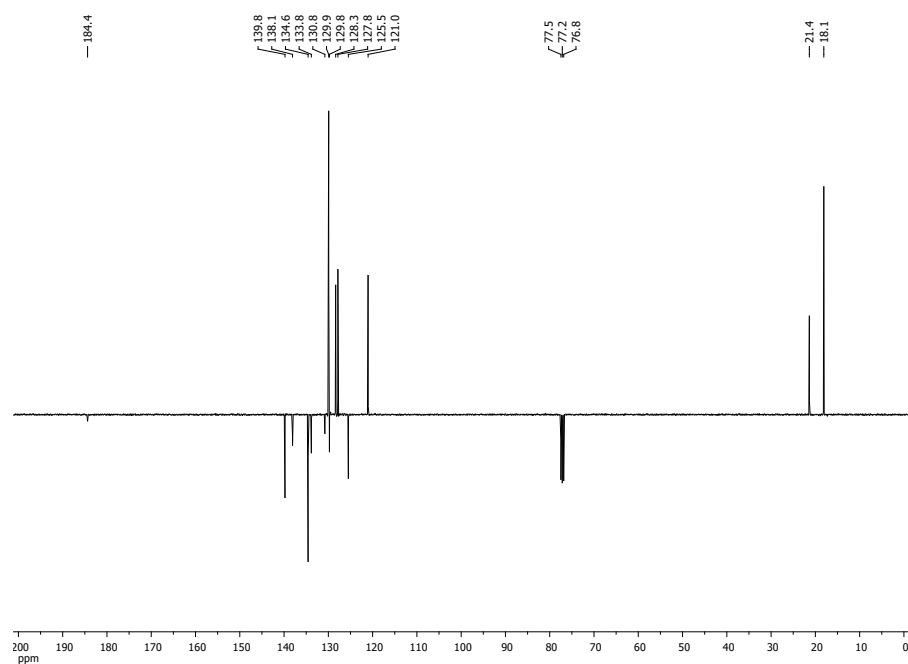
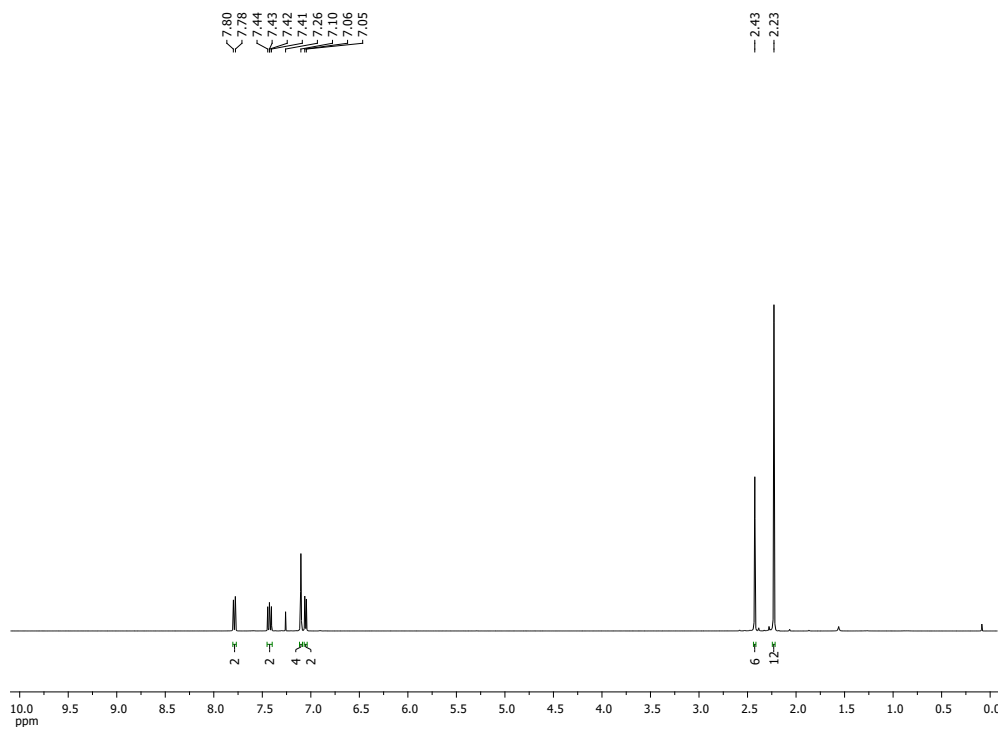
^1H NMR and ^{13}C $\{^1\text{H}\}$ NMR for 3a



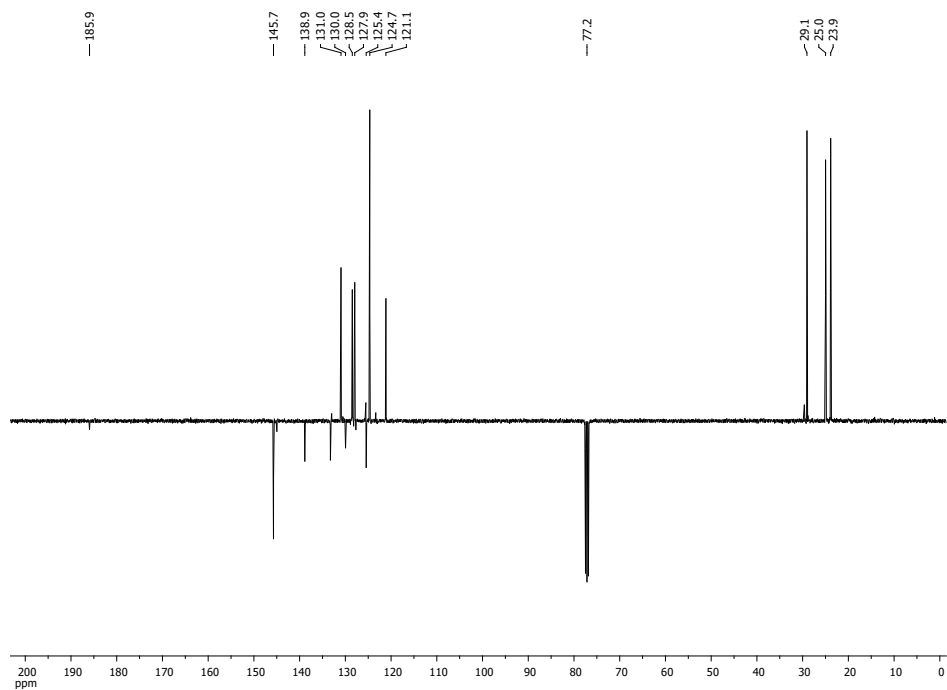
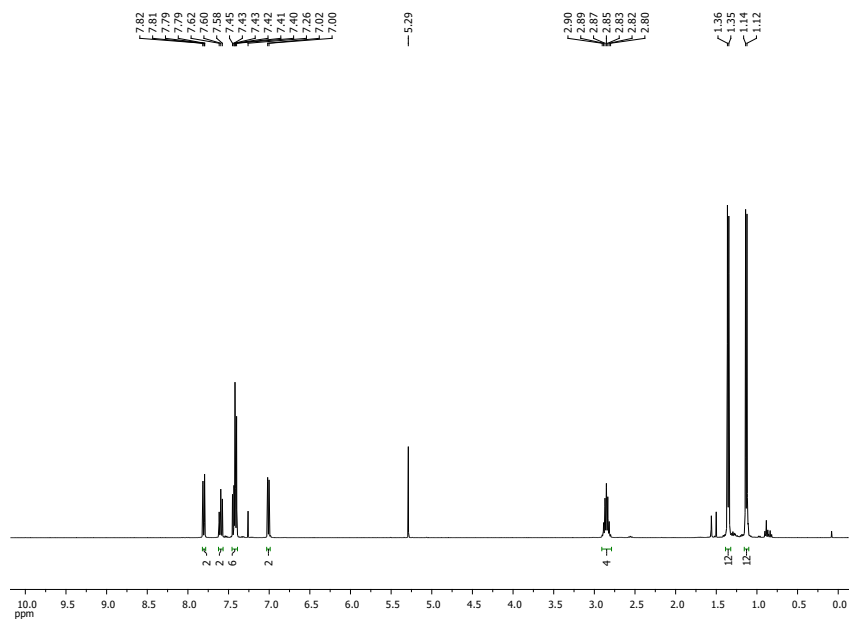
^1H NMR and ^{13}C $\{^1\text{H}\}$ NMR for 3b



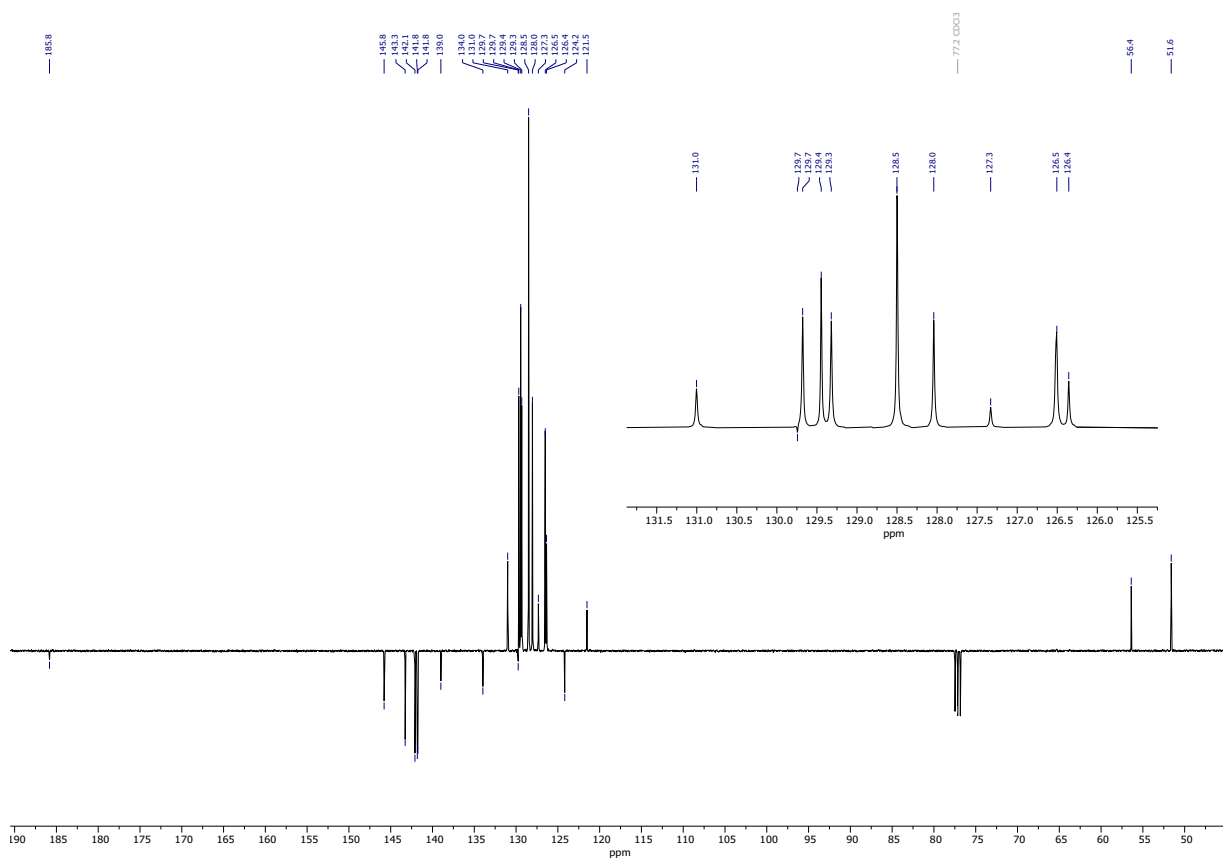
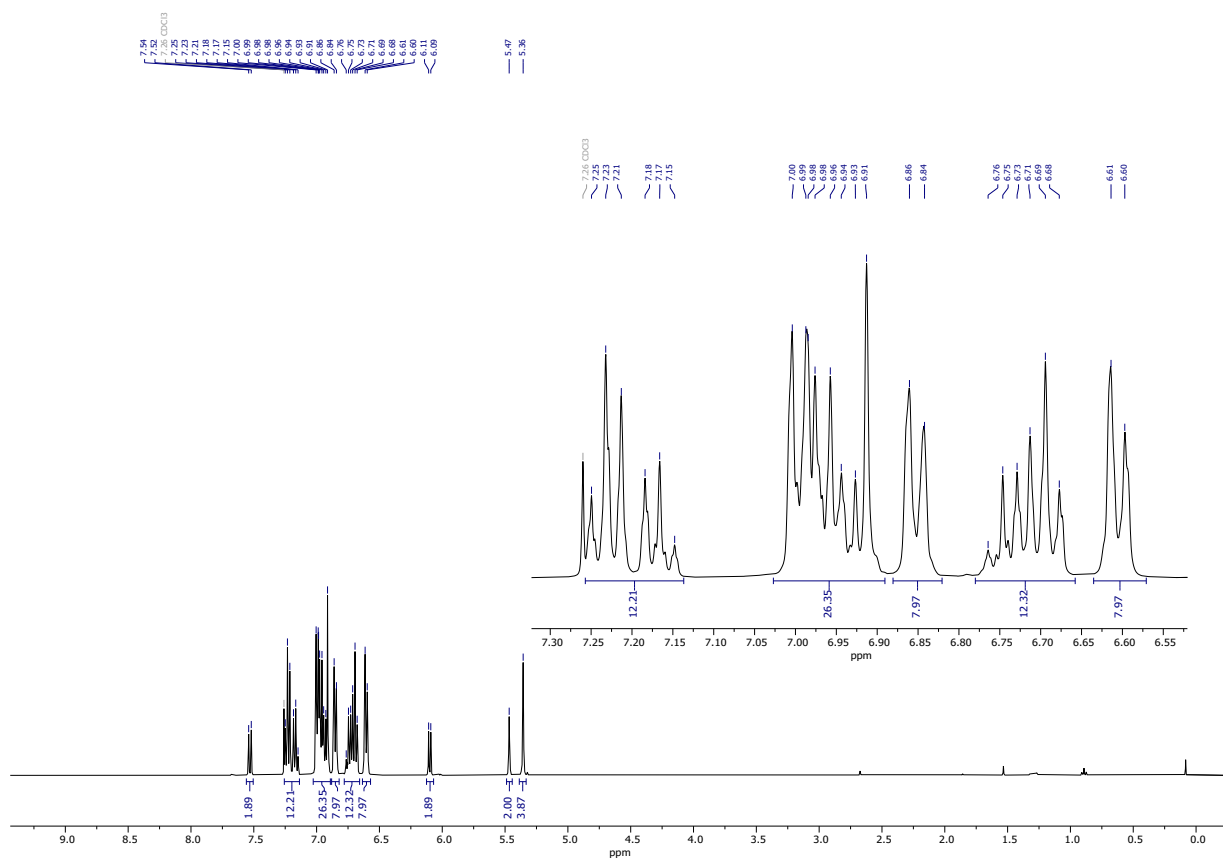
^1H NMR and ^{13}C $\{^1\text{H}\}$ NMR for 4a



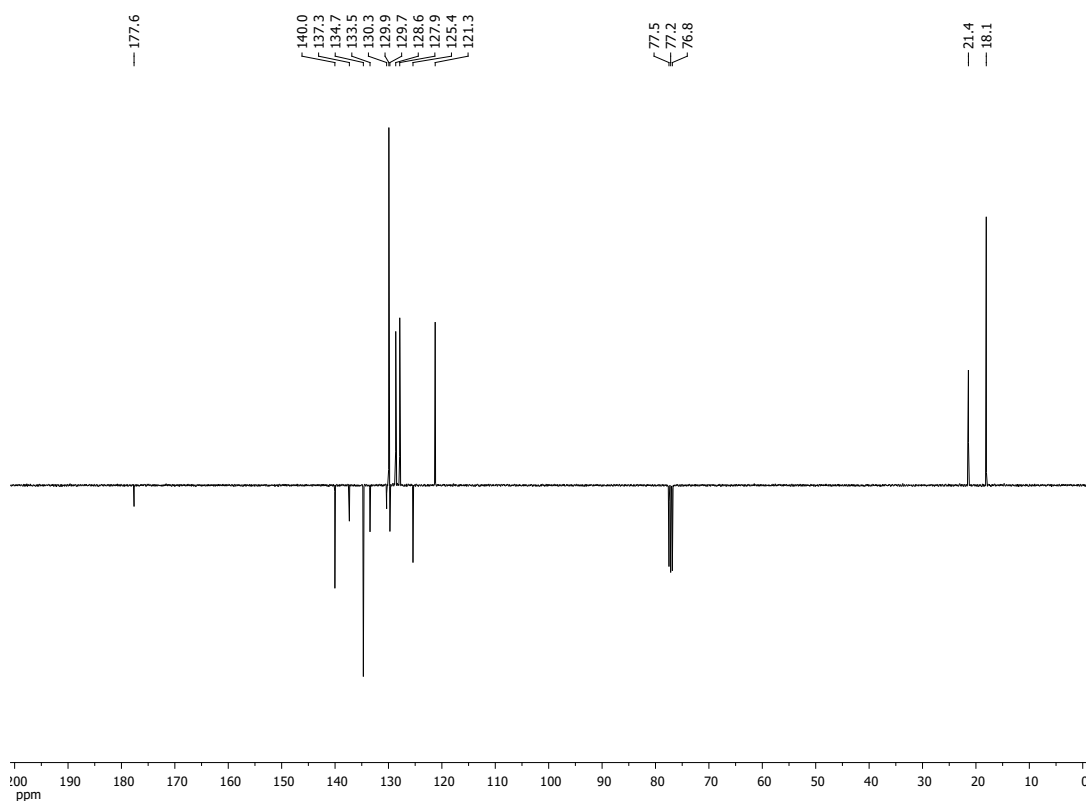
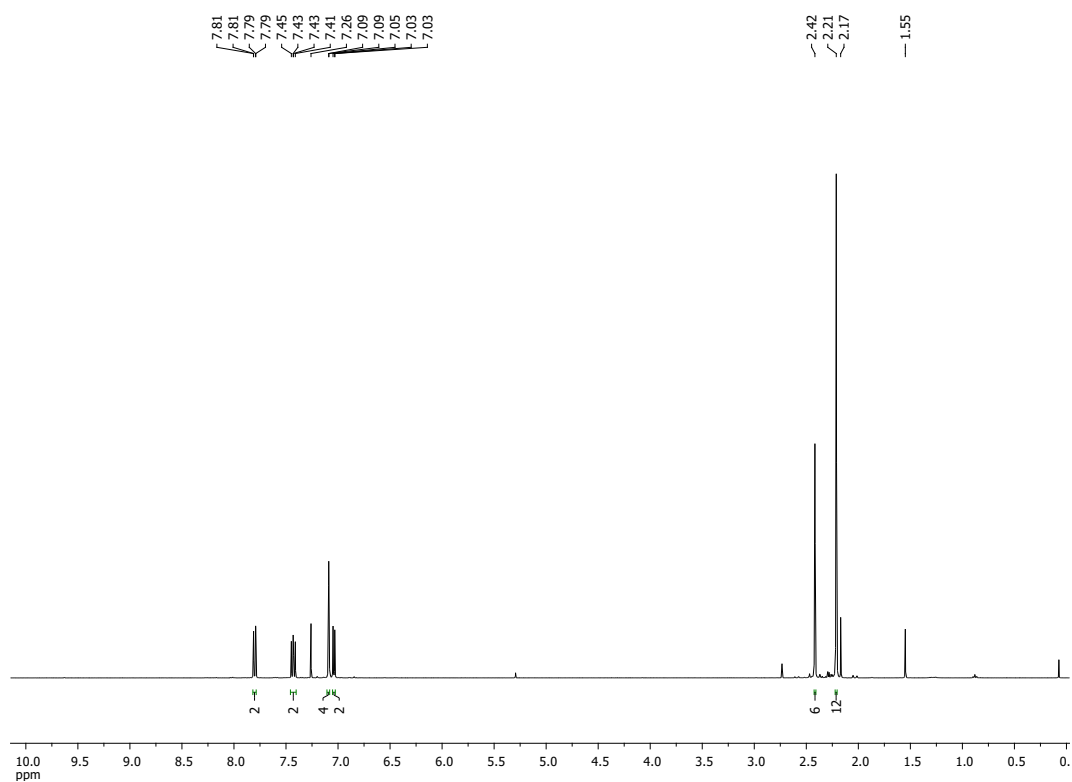
^1H NMR and ^{13}C $\{^1\text{H}\}$ NMR for 4b



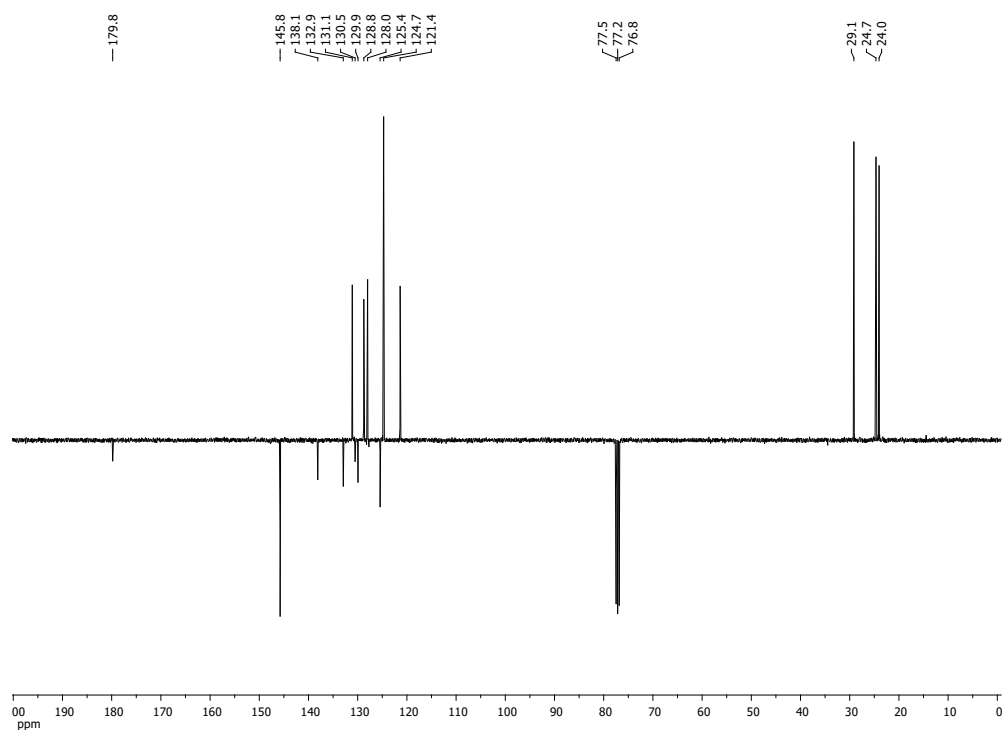
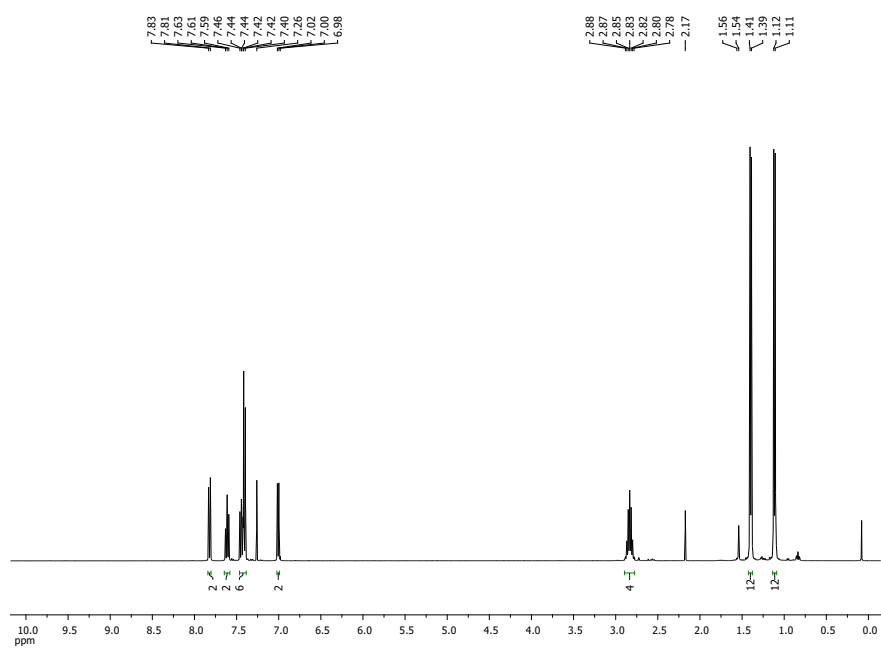
^1H NMR and ^{13}C $\{^1\text{H}\}$ NMR for 4c



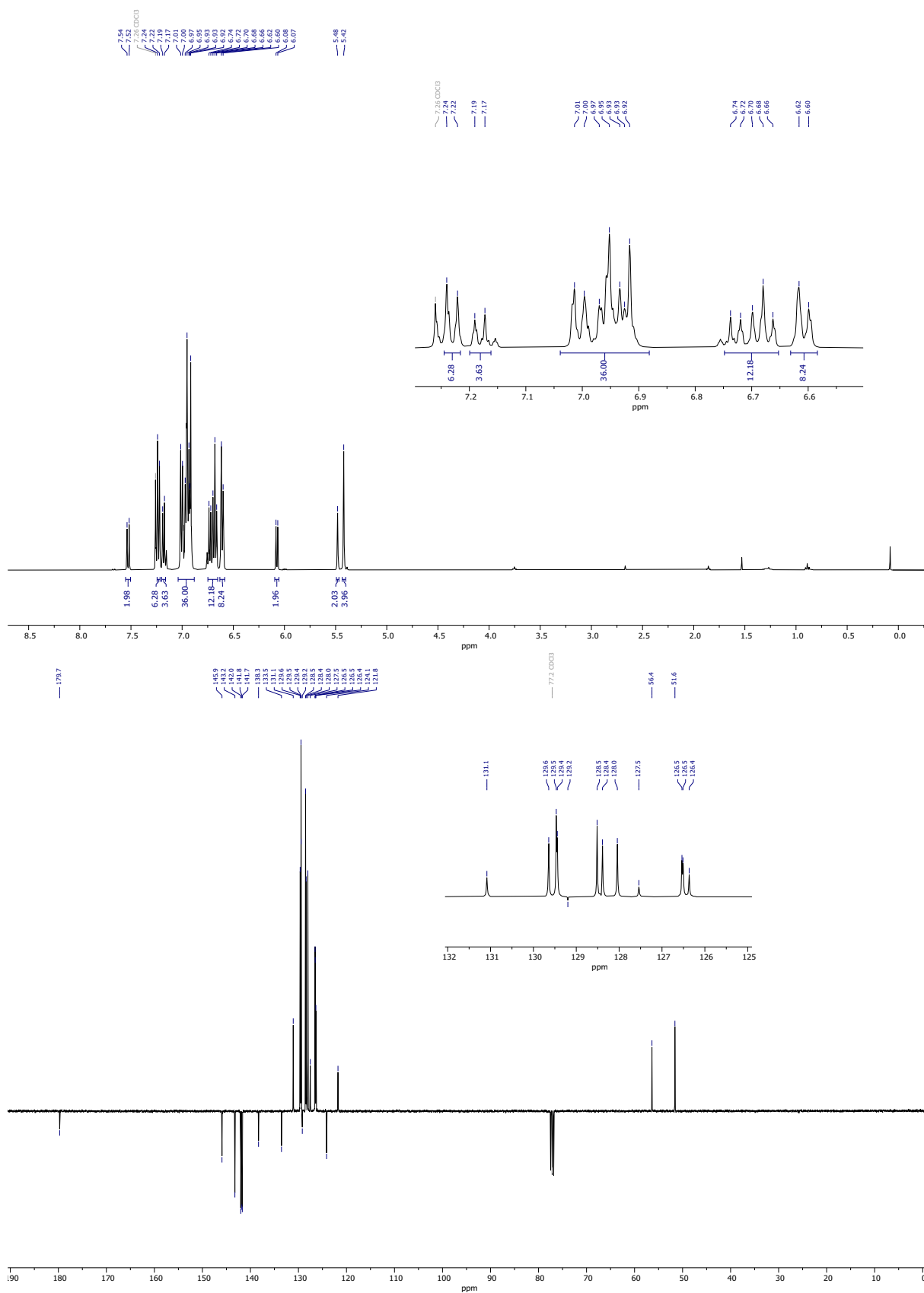
^1H NMR and ^{13}C $\{^1\text{H}\}$ NMR for 5a



^1H NMR and ^{13}C $\{^1\text{H}\}$ NMR for 5b

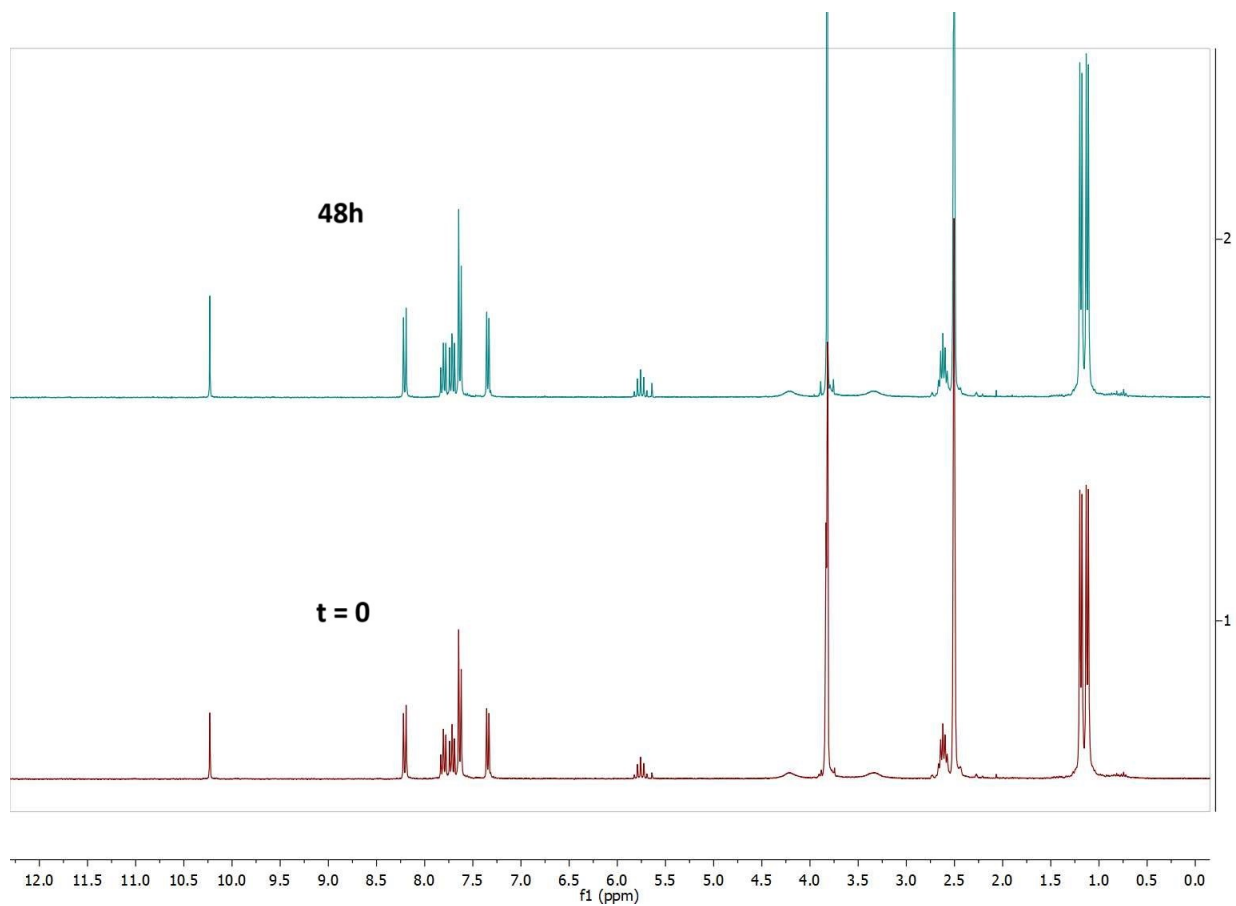


^1H NMR and ^{13}C $\{^1\text{H}\}$ NMR for 5c

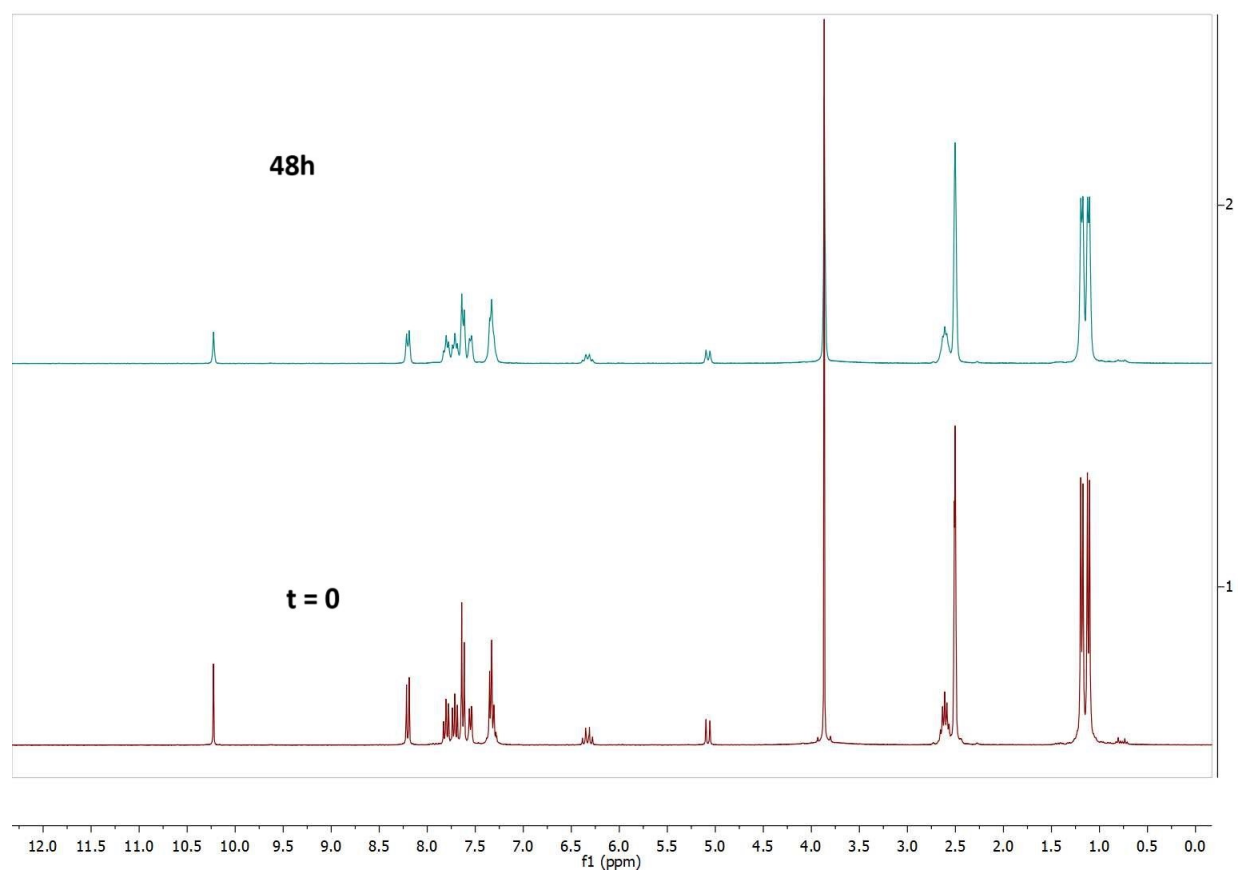


Examples of NMR Spectra in DMSO-d⁶/D₂O (1:1) for stability studies

¹H NMR of 2b in DMSO-d⁶/D₂O (1:1) (t = 0 and 48h)

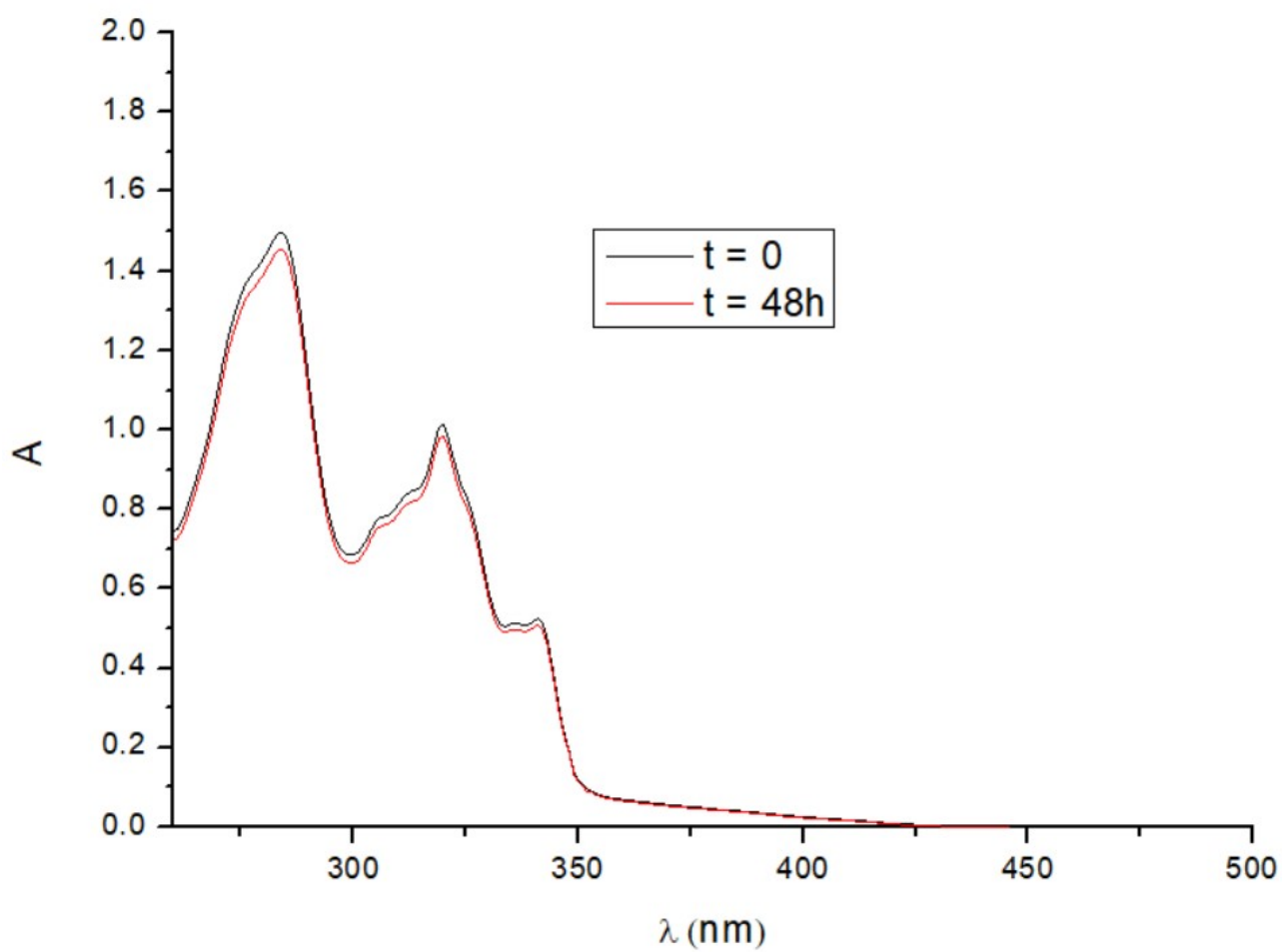


¹H NMR of 3b in DMSO-d₆/D₂O (1:1) (t = 0 and 48h)

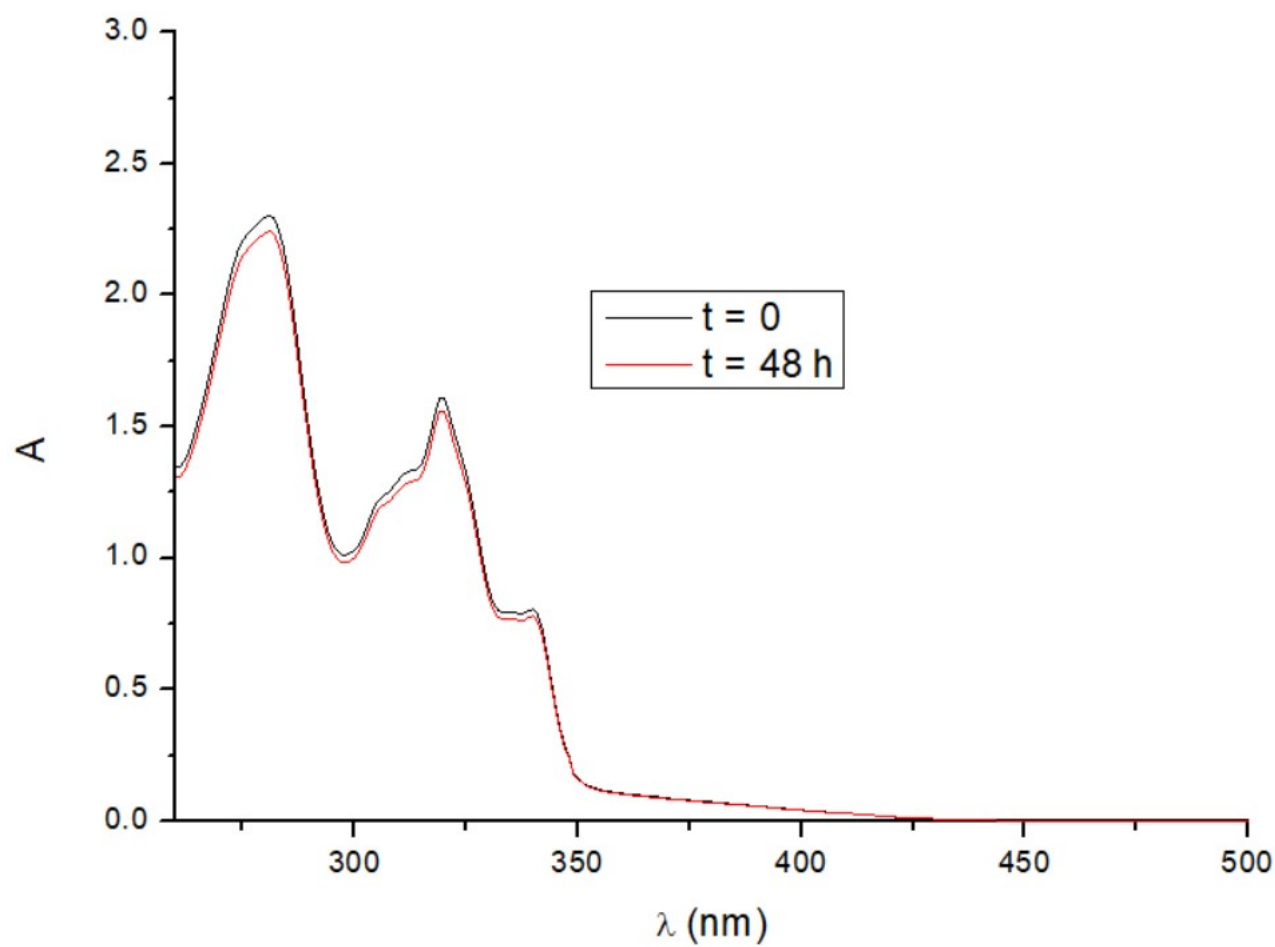


Examples of UV-Vis spectra in aqueous solution at different pH

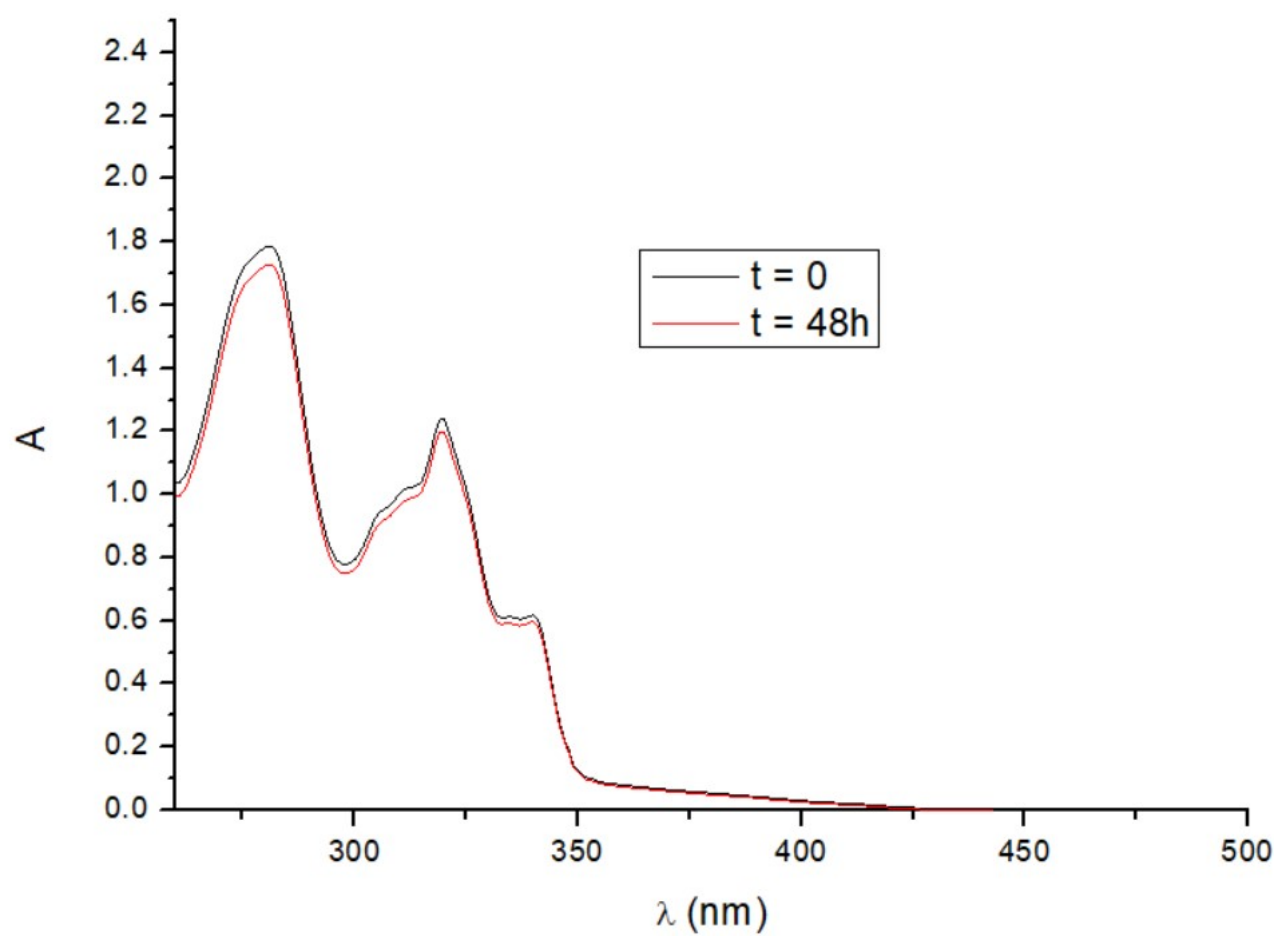
UV-Vis spectra of **2a** ($5 \cdot 10^{-5}$ M) in phosphate buffer solution (pH = 7.2) with 10% of DMSO ($t = 0$ and 48h)



UV-Vis spectra of 2b ($5 \cdot 10^{-5}$ M) in phosphate buffer solution (pH = 7.2) with 10% of DMSO (t = 0 and 48h)



UV-Vis spectra of 2b ($5 \cdot 10^{-5}$ M) in phosphate buffer solution (pH = 6) with 10% of DMSO (t = 0 and 48h)



UV-Vis spectra of 2b ($5 \cdot 10^{-5}$ M) in phosphate buffer solution (pH = 8) with 10% of DMSO (t = 0 and 48h)

