

Ionic-liquid mediated one-pot synthesis of novel thiazolidinones containing pyrazole and thiazole hybrid as COX-1/COX-2 inhibitor**Vivek T. Humne^{1*}, Deekshaputra R. Birhade² and Omprakash B. Pawar³**¹Department of Chemistry, Shri R. R. Lahoti Science College, Morshi, Amravati (India)-444905² Department of Chemistry, Shri Vyankatesh Arts, Commerce and Science College, Deulgaon Raja (India) – 443204³Department of Chemistry, Rajaram College, Kolhapur (India) - 416004

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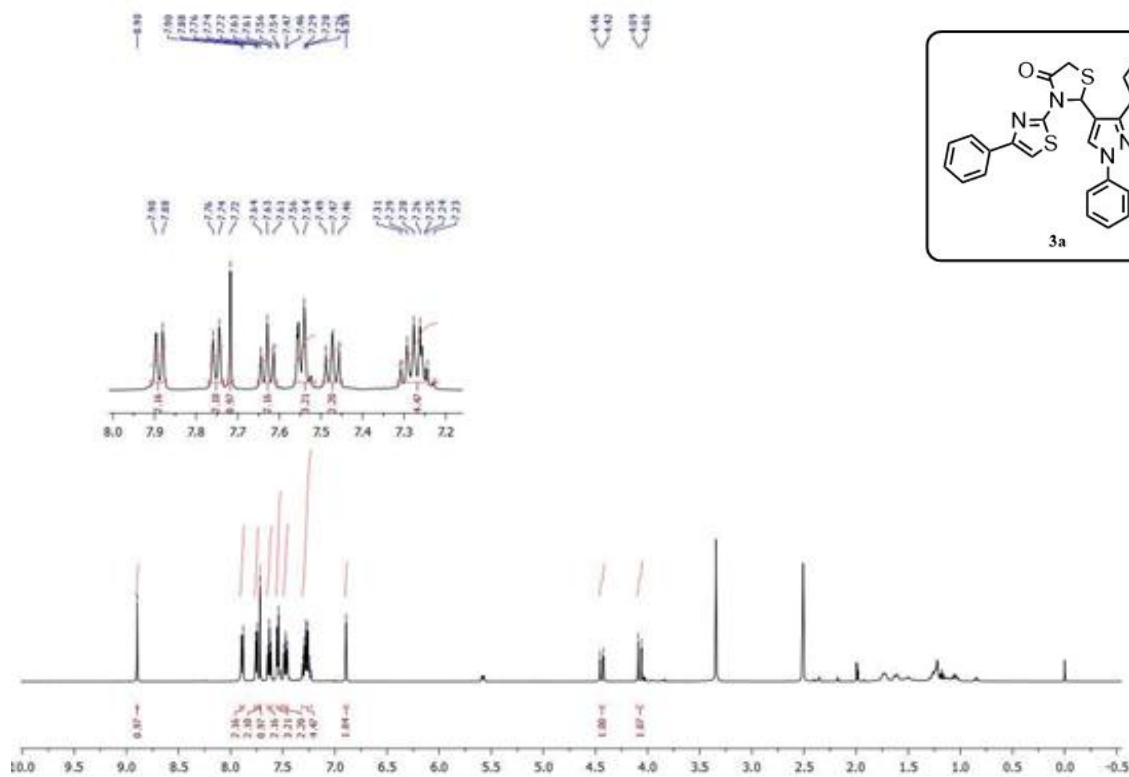
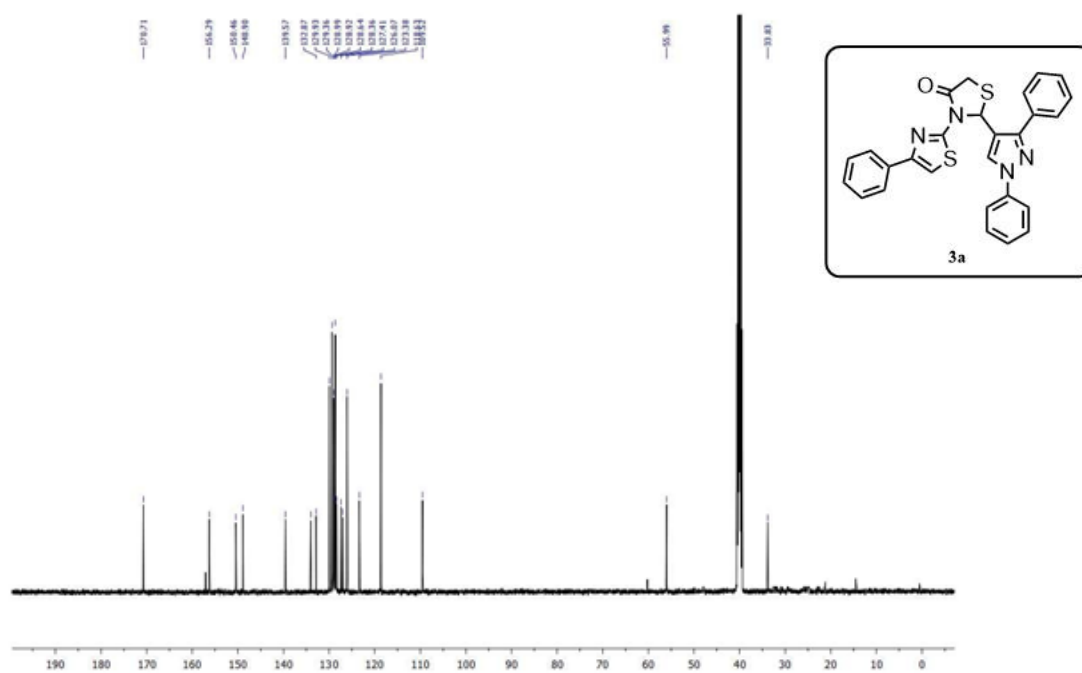


Figure S1: ¹H-NMR (500 MHz, DMSO-*d*₆) Spectrum of **3a**



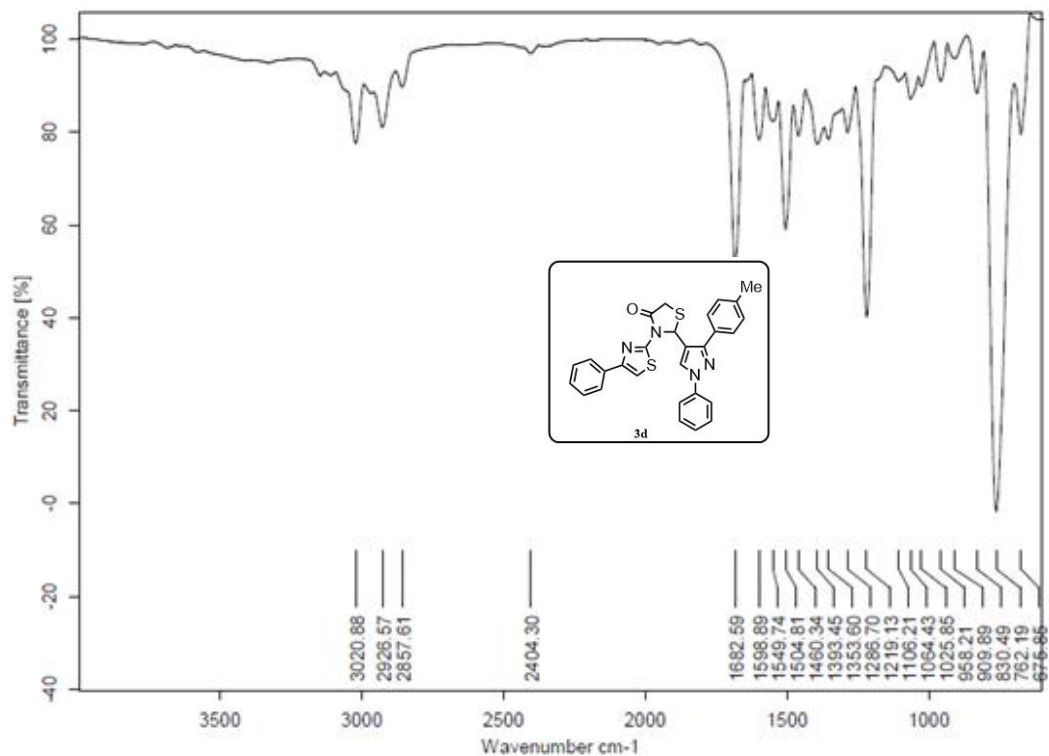


Figure S3: IR Spectrum of **3d**

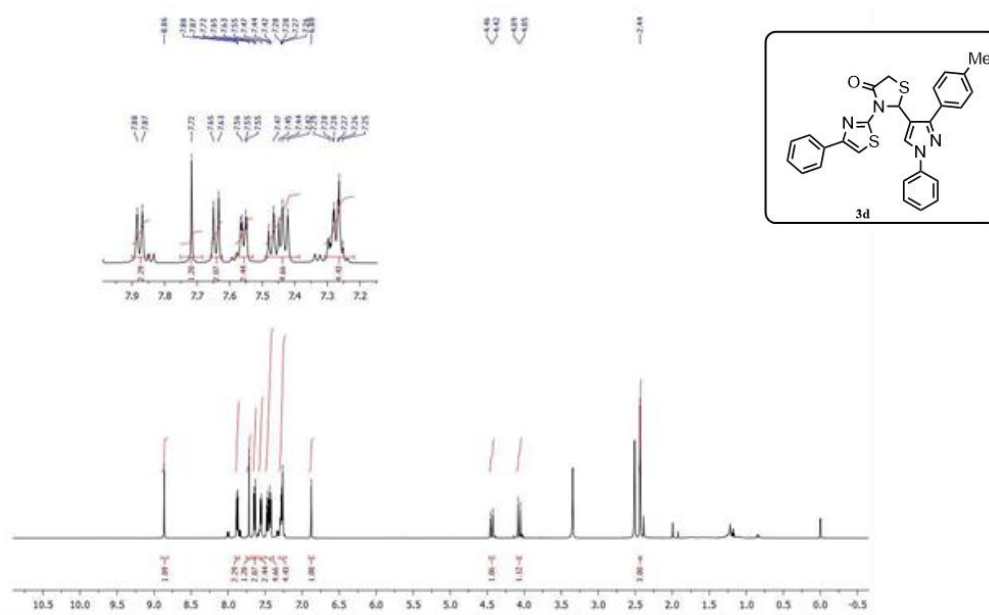


Figure S4: ^1H -NMR (500 MHz, $\text{DMSO}-d_6$) Spectrum of **3d**

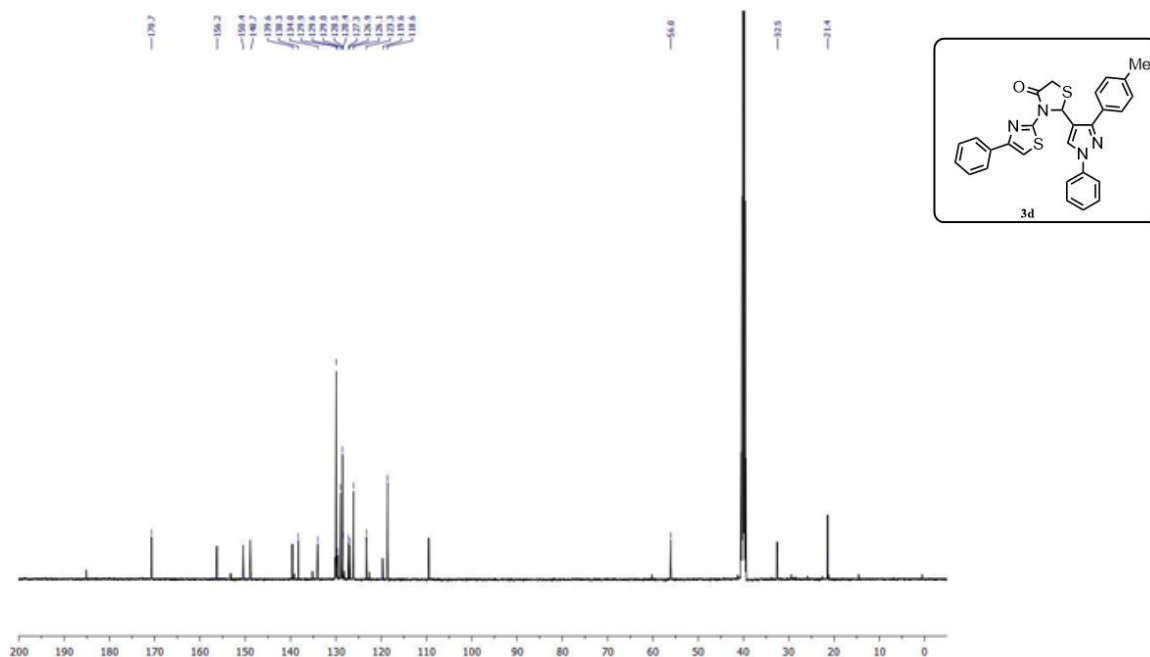


Figure S5: ^{13}C -NMR (126 MHz, $\text{DMSO-}d_6$) Spectrum of **3d**

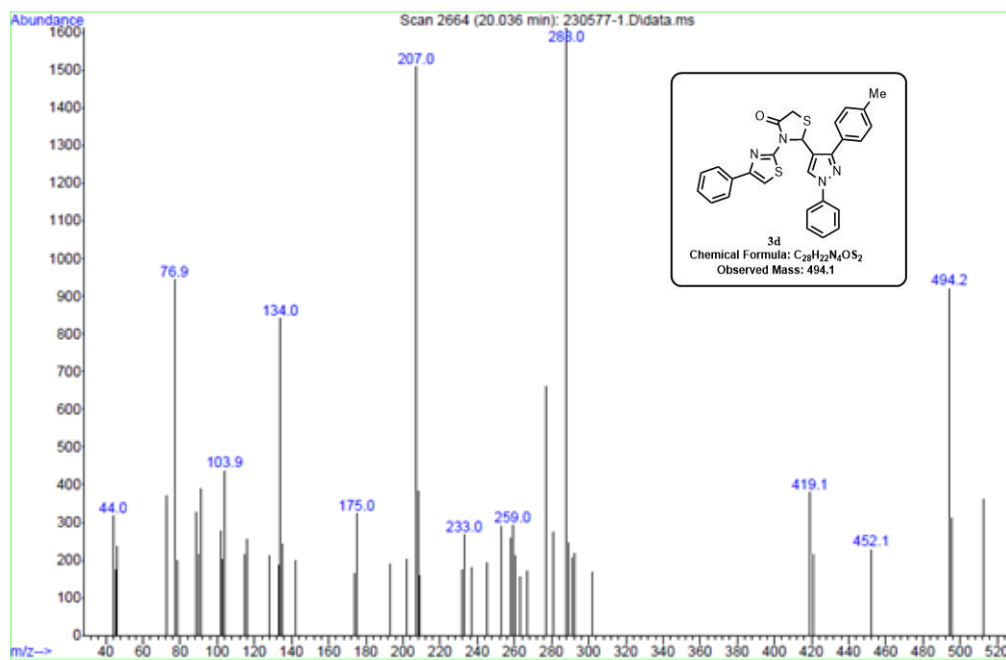
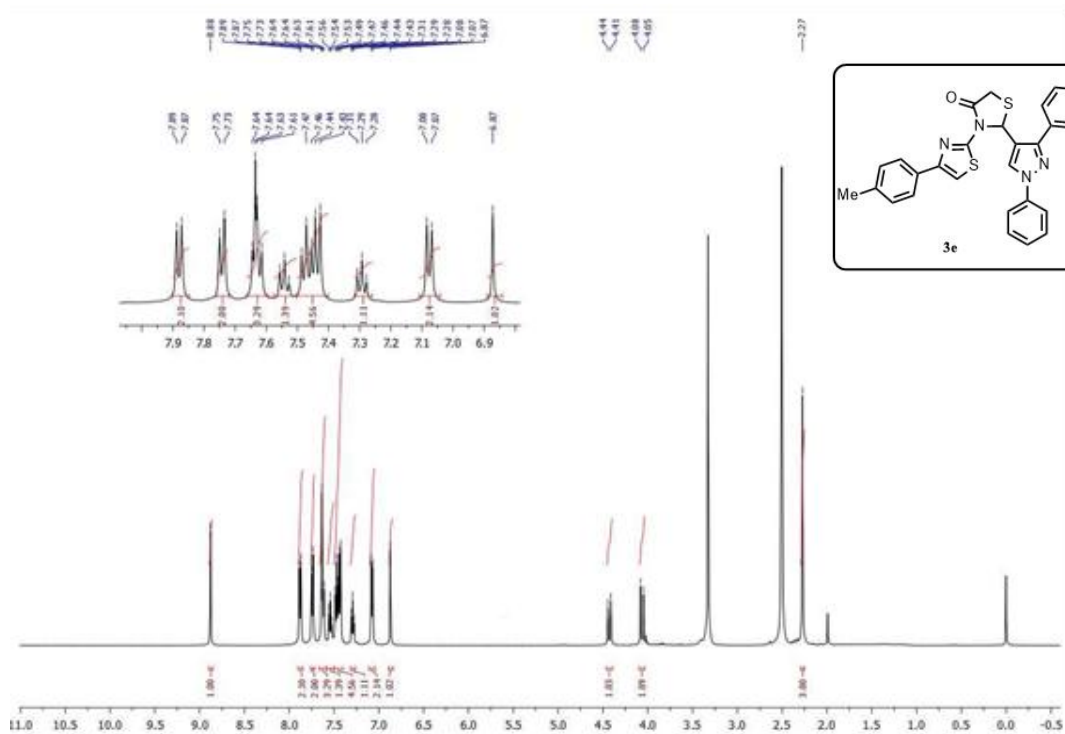


Figure S6: HRMS of **3d**



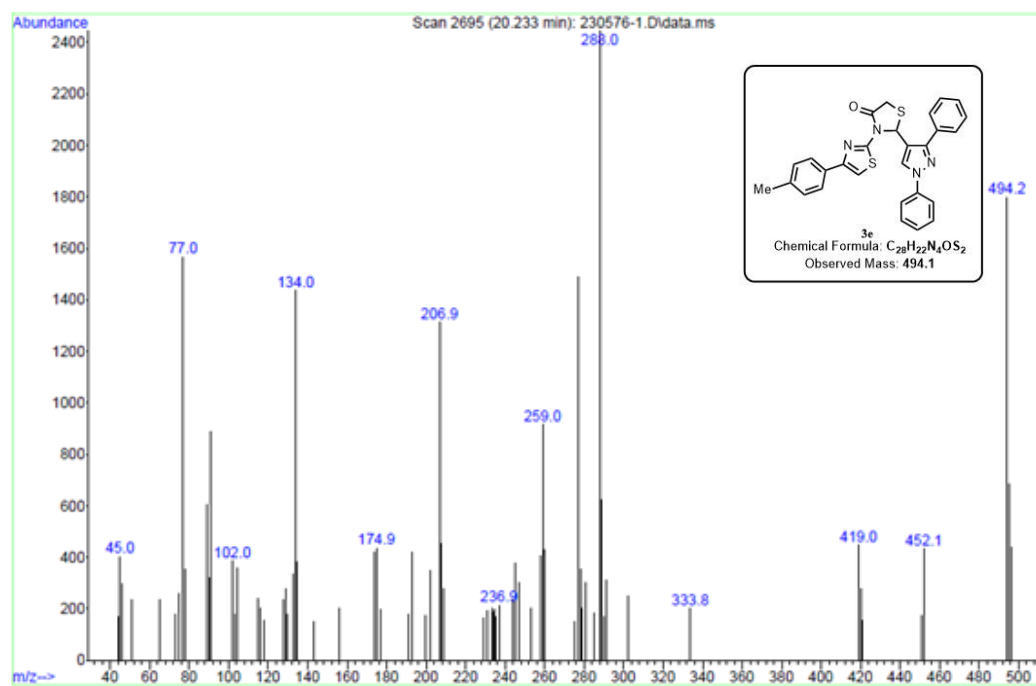


Figure S9: HRMS of **3e**

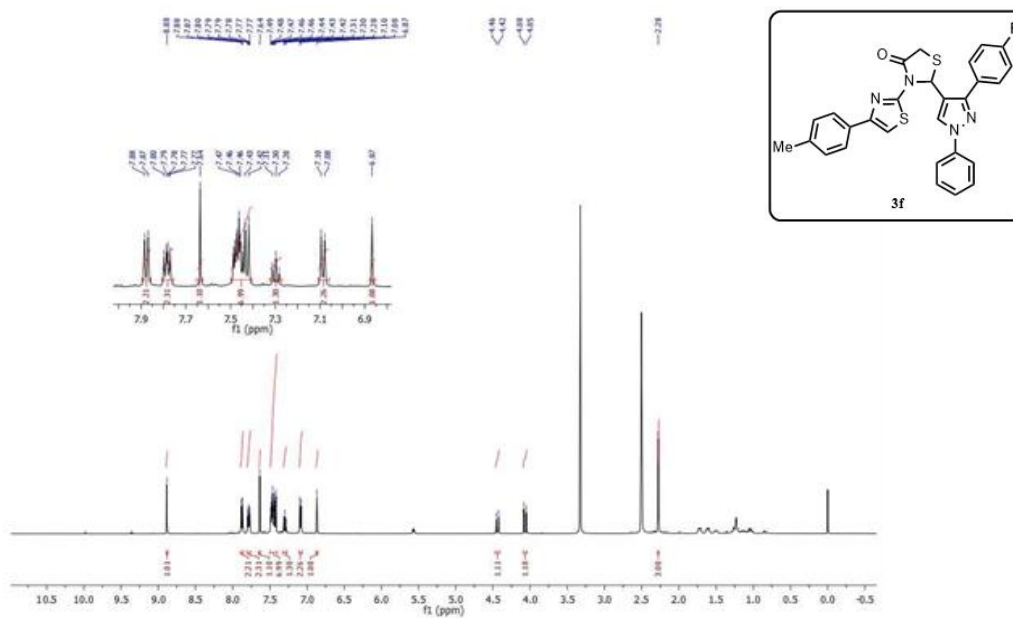


Figure S10: ^1H -NMR (500 MHz, $\text{DMSO}-d_6$) Spectrum of **3f**

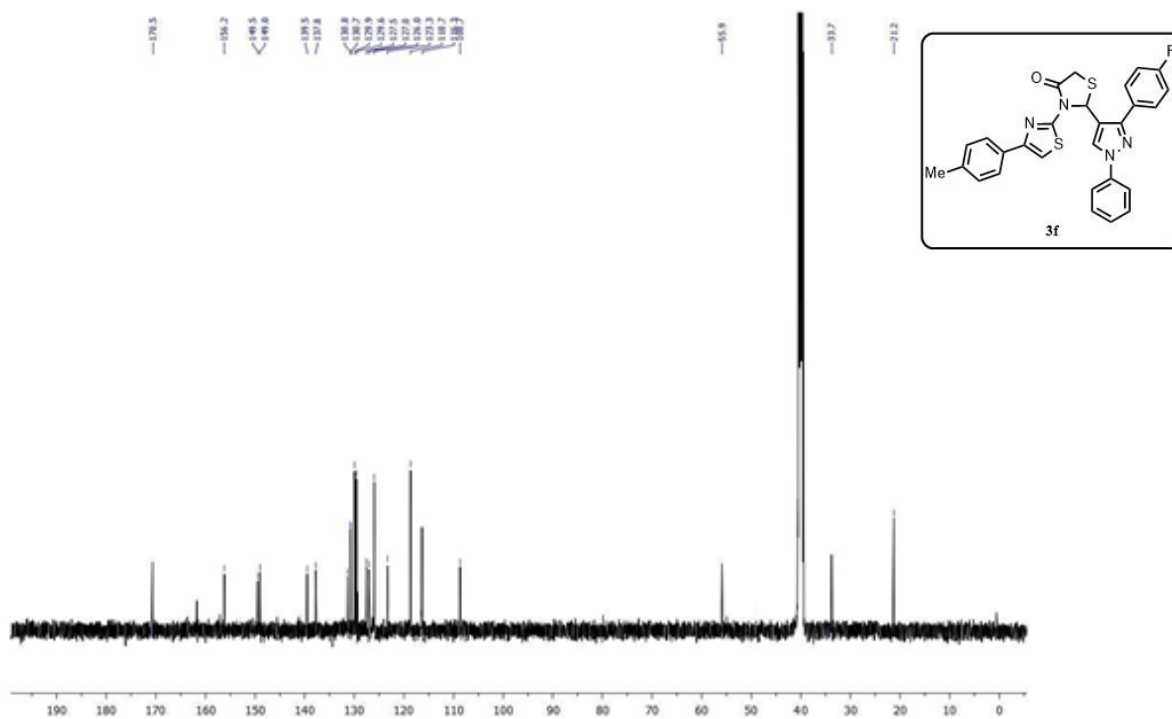


Figure S11: ^{13}C -NMR (126 MHz, $\text{DMSO-}d_6$) Spectrum of **3f**

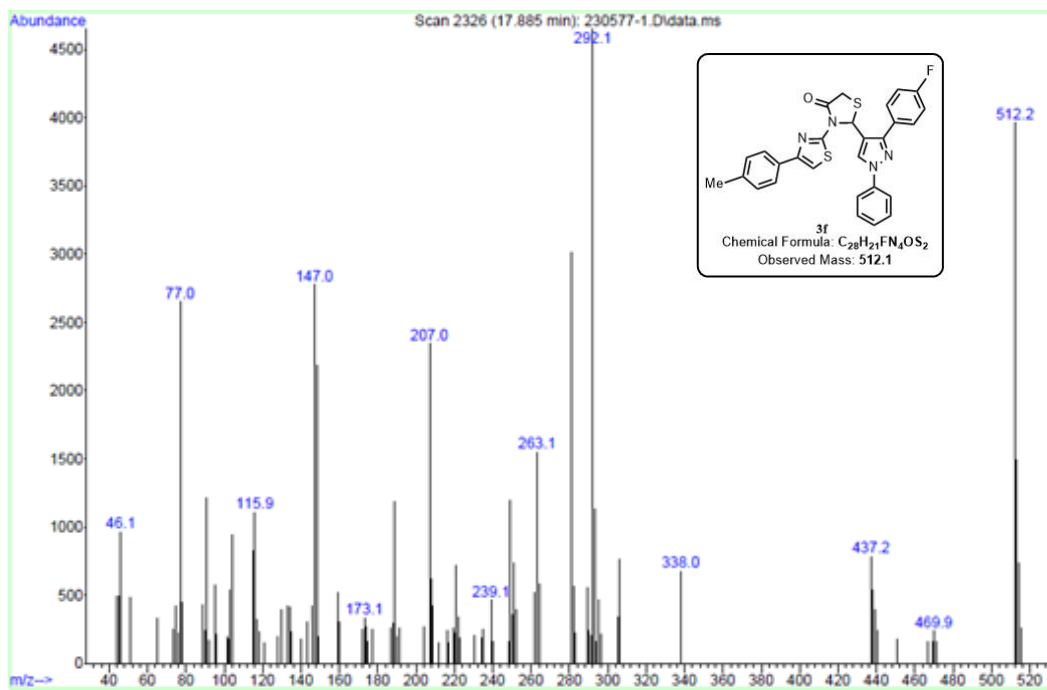


Figure S12: HRMS of **3f**

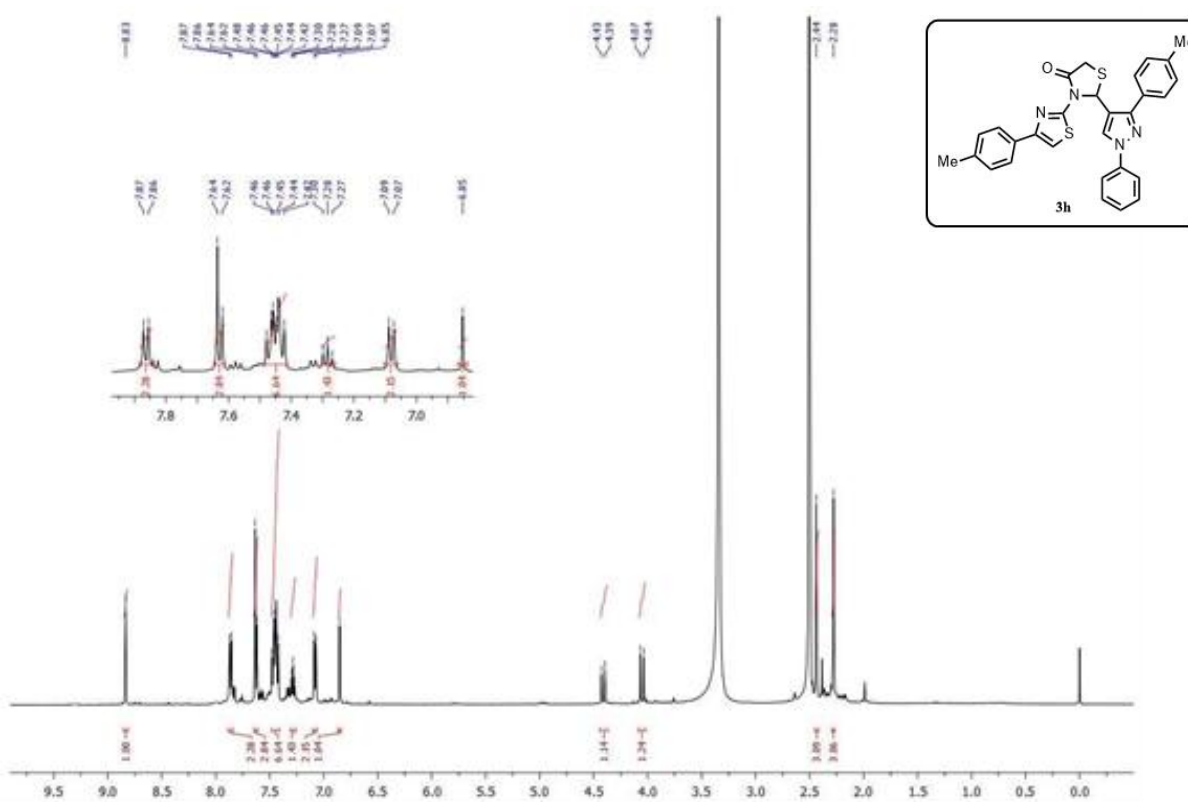


Figure S13: ¹H-NMR (500 MHz, DMSO-*d*₆) Spectrum of **3h**

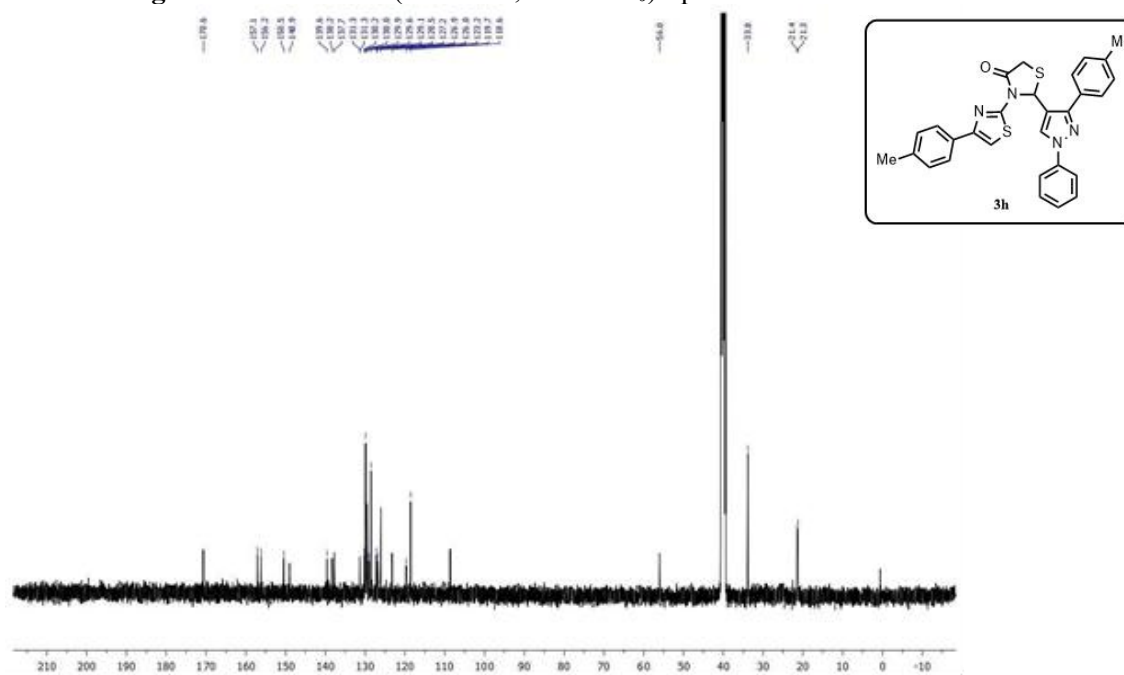


Figure S14: ¹³C-NMR (126 MHz, DMSO-*d*₆) Spectrum of **3h**

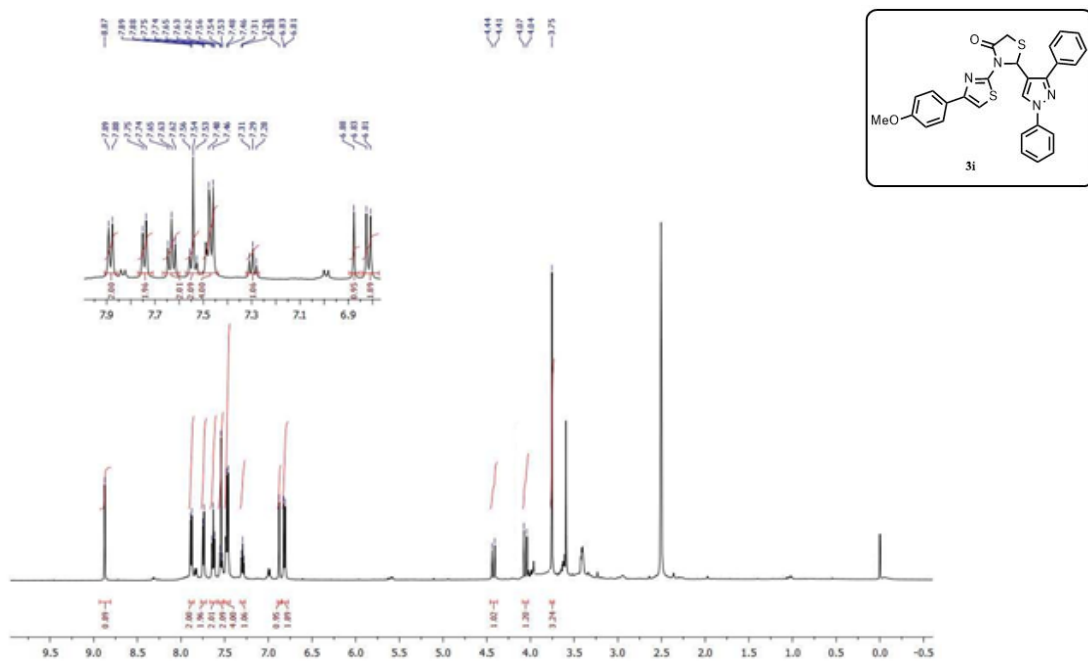


Figure S15: ^1H -NMR (500 MHz, $\text{DMSO}-d_6$) Spectrum of **3i**

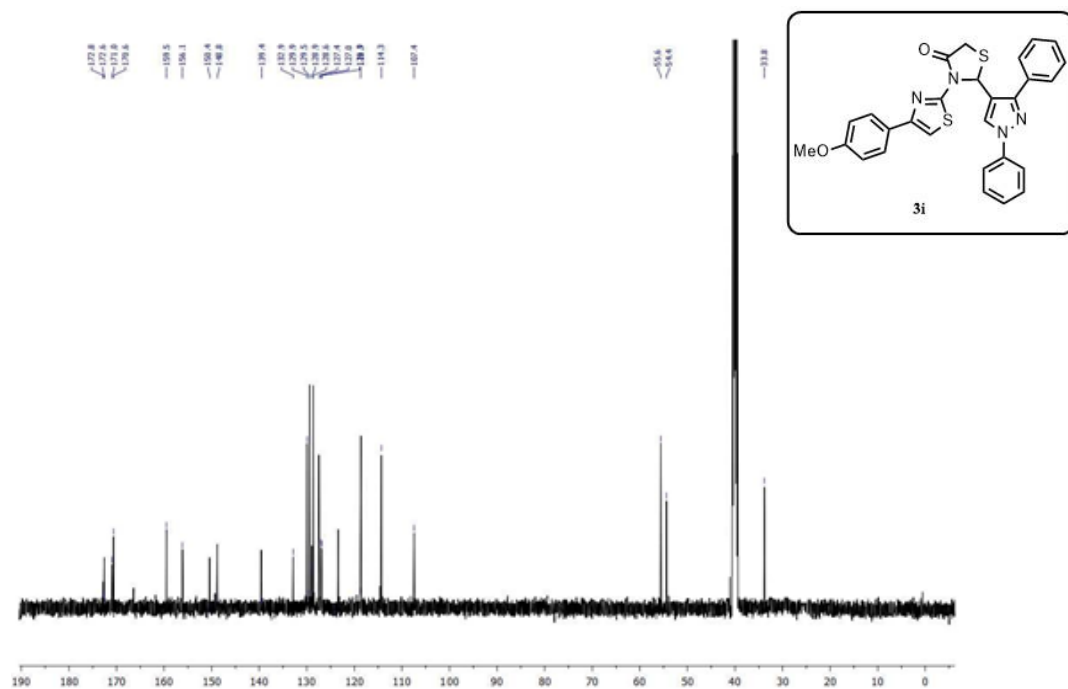
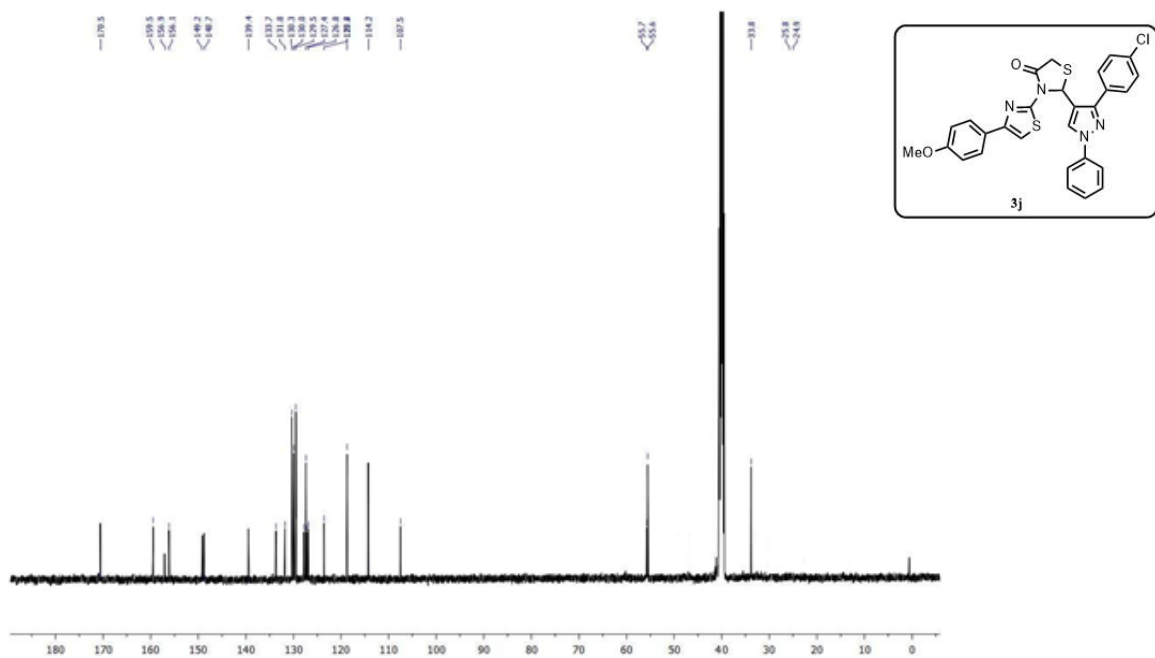
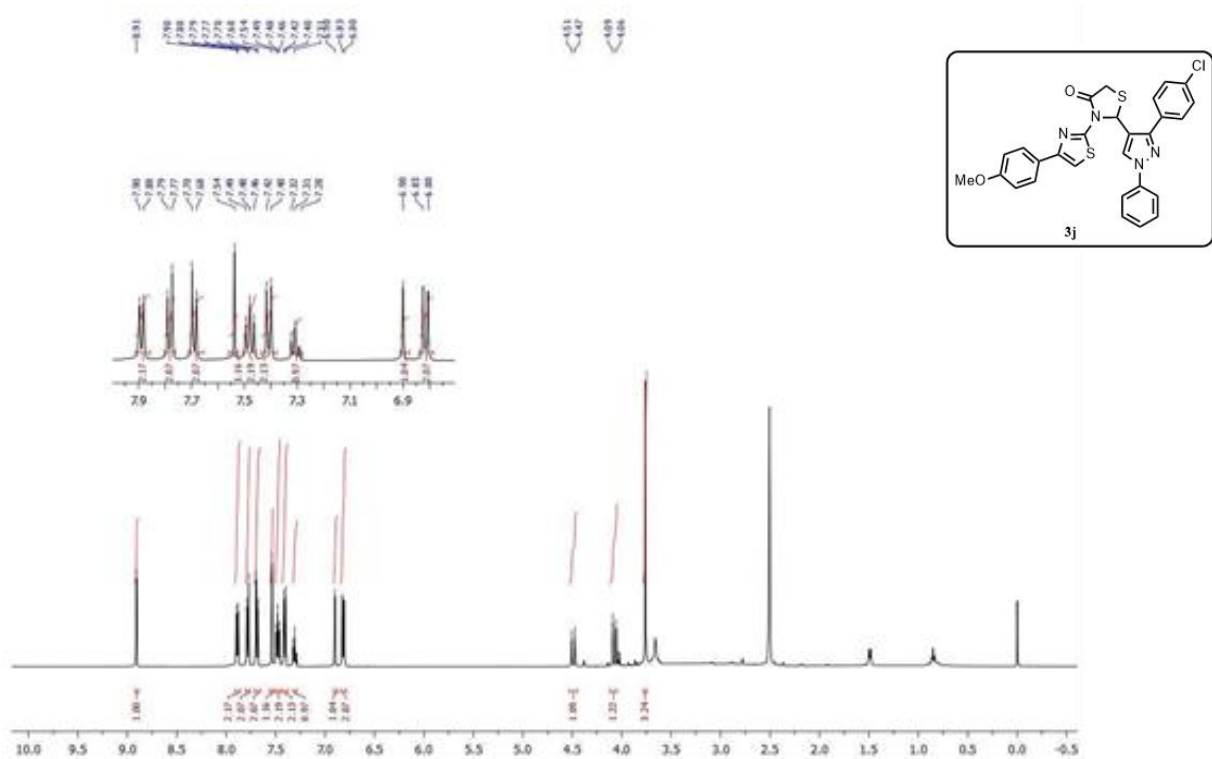


Figure S16: ^{13}C -NMR (126 MHz, $\text{DMSO}-d_6$) Spectrum of **3i**



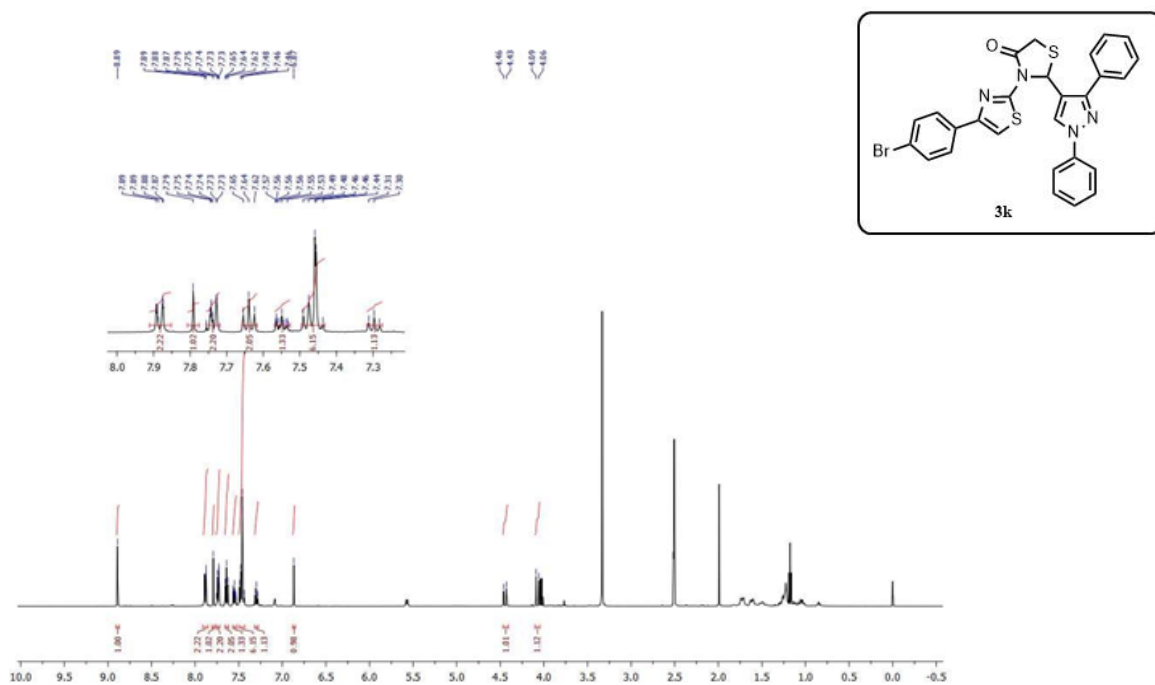


Figure S19: ¹H-NMR (500 MHz, DMSO-*d*₆) Spectrum of **3k**

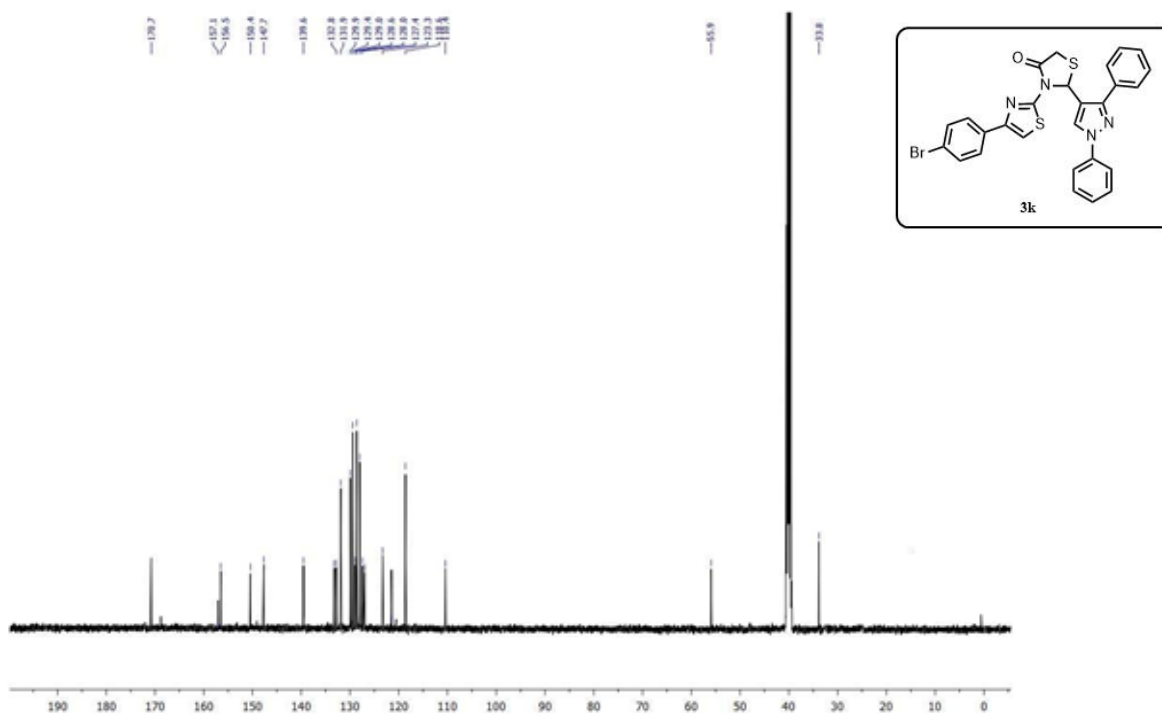


Figure S20: ¹³C-NMR (126 MHz, DMSO-*d*₆) Spectrum of **3k**

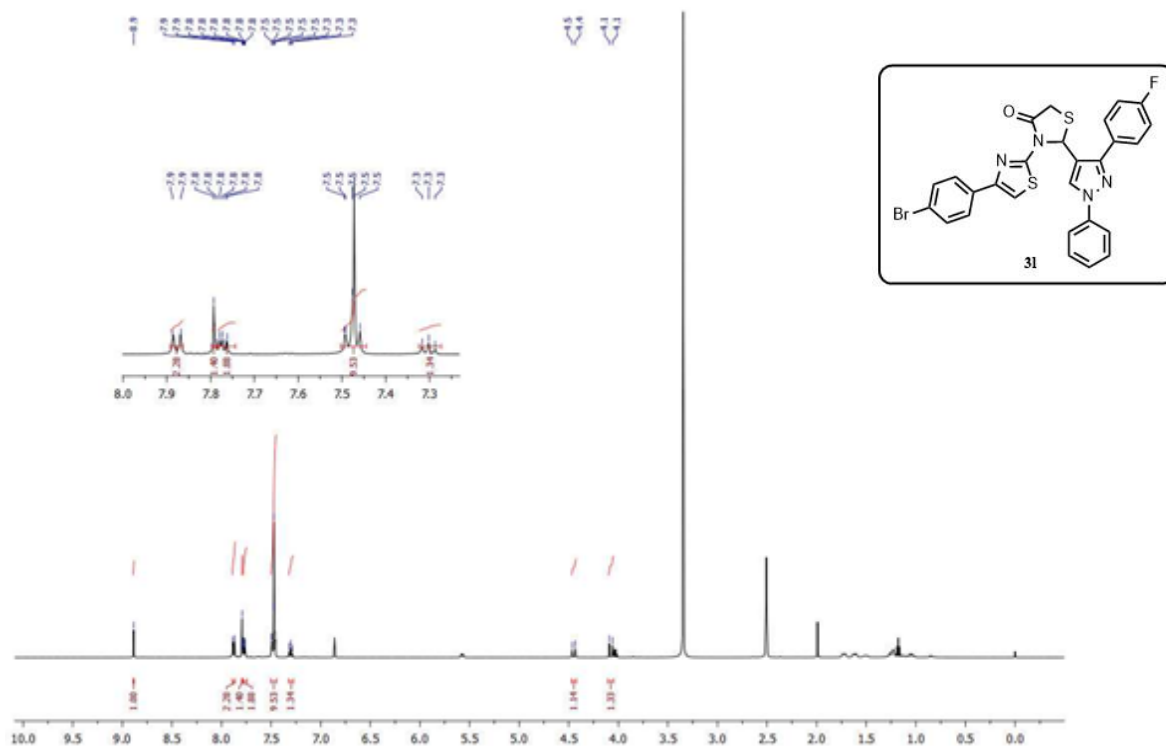


Figure S21: ^1H -NMR (500 MHz, $\text{DMSO}-d_6$) Spectrum of **31**

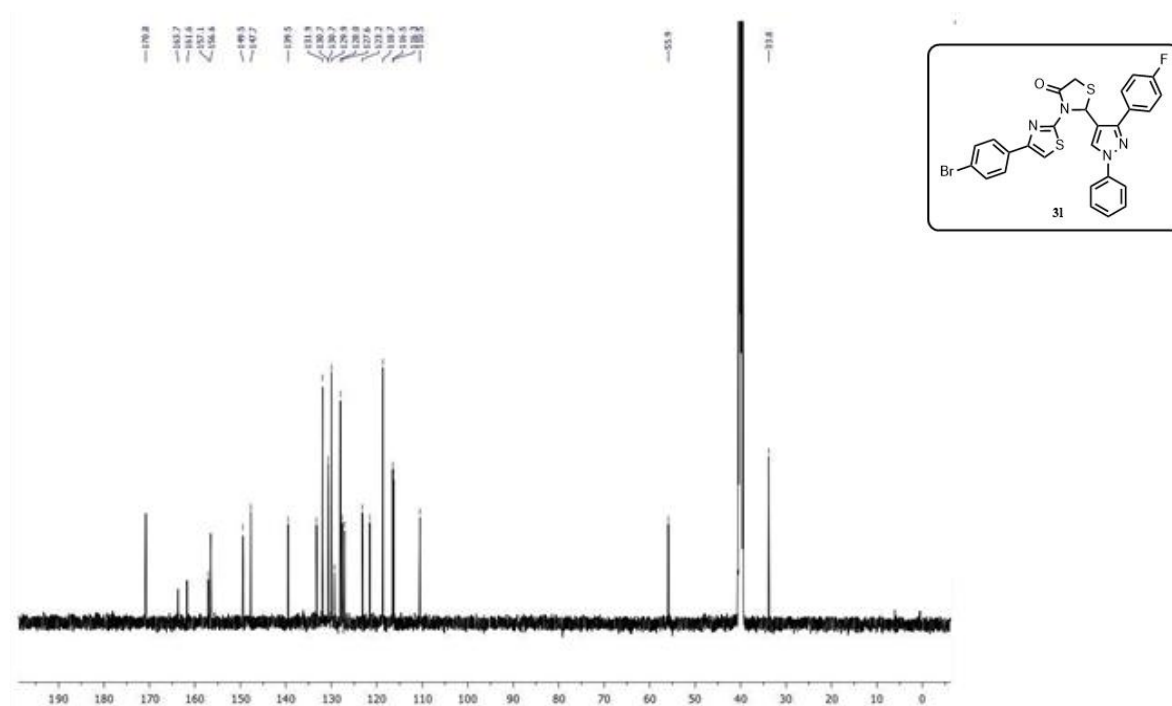


Figure S22: ^{13}C -NMR (126 MHz, $\text{DMSO}-d_6$) Spectrum of **31**