

Supplementary Materials for:

Synthesis, Structure and Reduction of 6-Acetyl-2-Arylhydrazine Derivatives of Thiazolo[3,2-*a*]pyrimidine

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Figure S1. ¹H NMR spectrum of compound **2b** (DMSO-*d*₆, 400 MHz, 25°C).

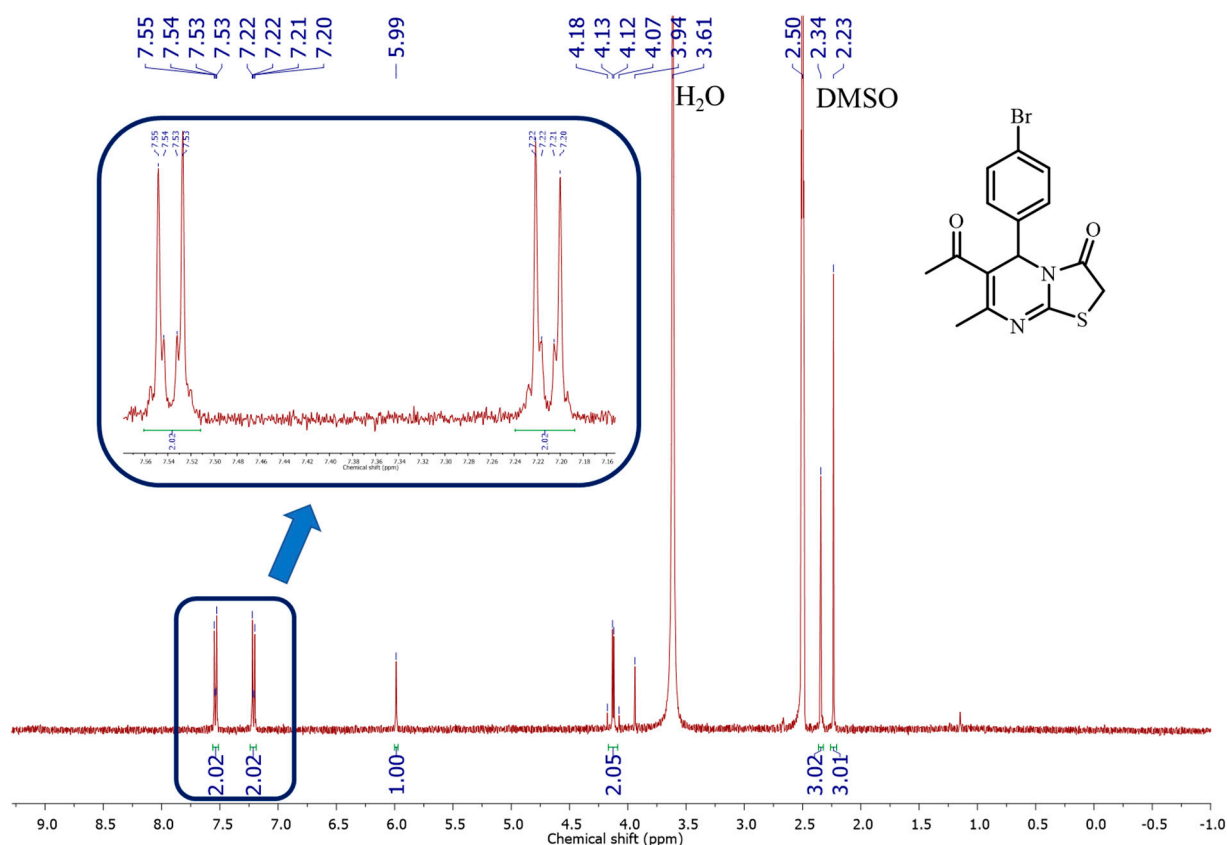
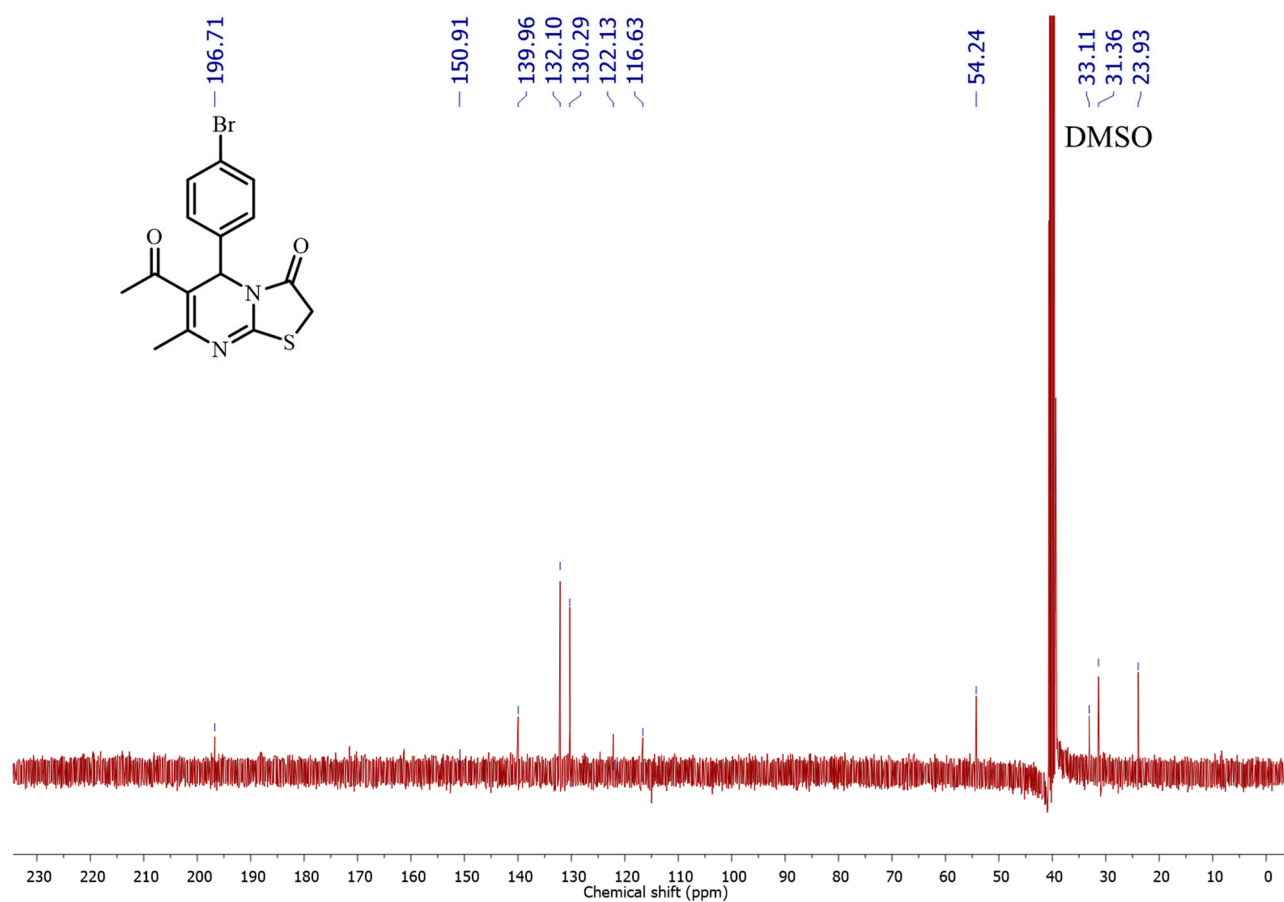
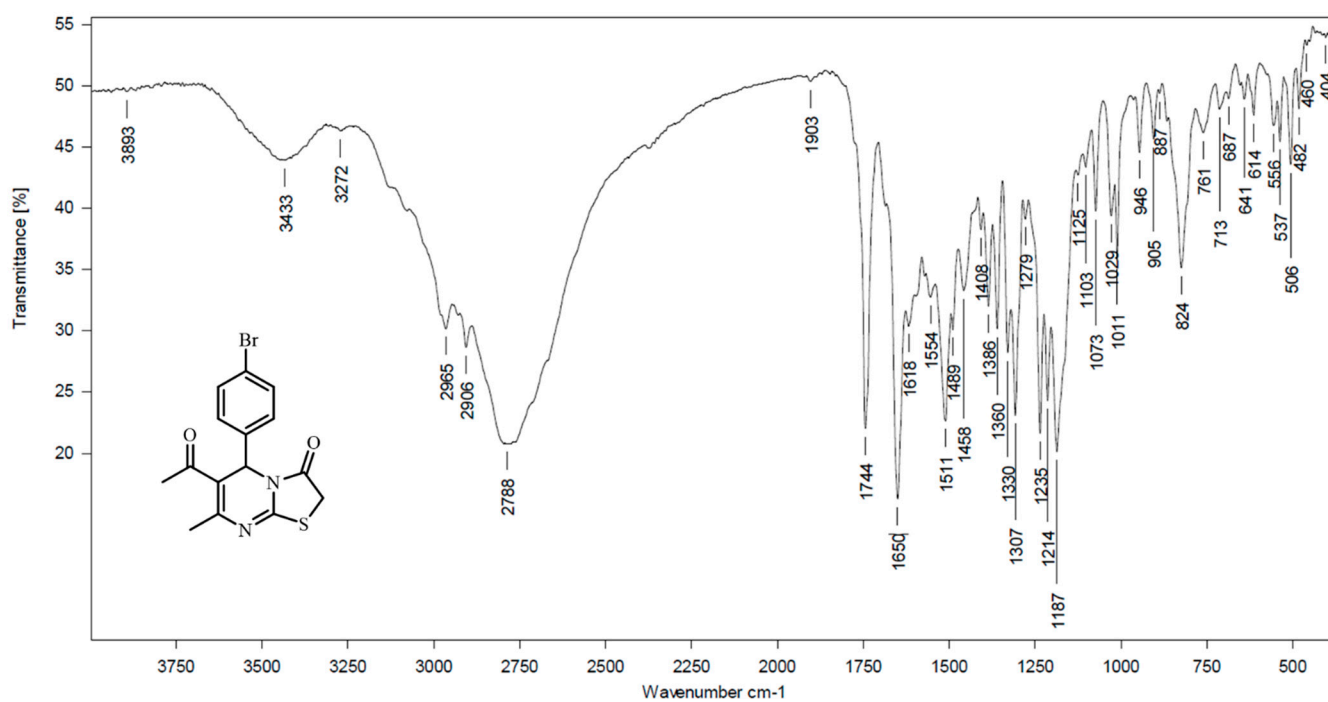


Figure S2. ¹³C NMR spectrum of compound **2b** (DMSO-*d*₆, 100 MHz, 25°C).

Figure S3. IR spectrum of compound **2b** (KBr tablet).Figure S4. ¹H NMR spectrum of compound **3a** (DMSO-d₆, 400 MHz, 25°C).

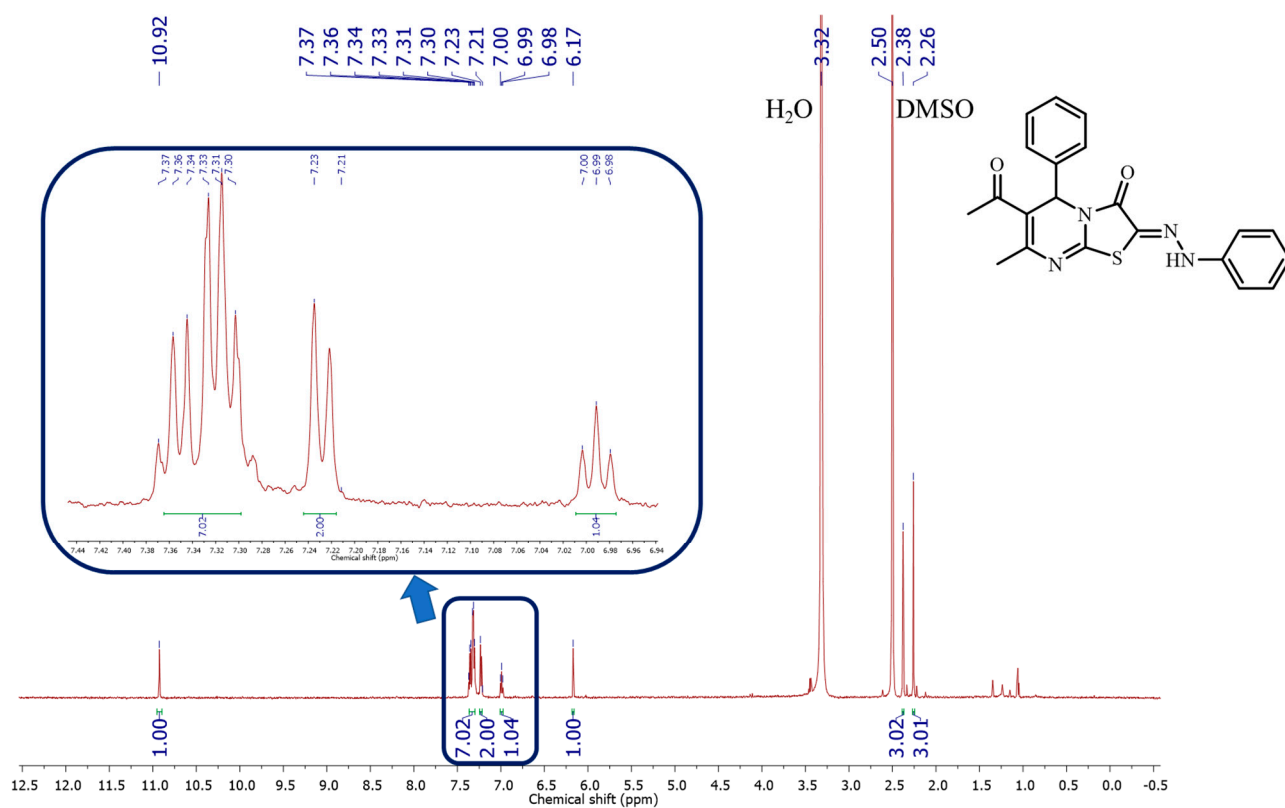


Figure S5. ¹³C NMR spectrum of compound **3a** (DMSO-d₆, 100 MHz, 25°C).

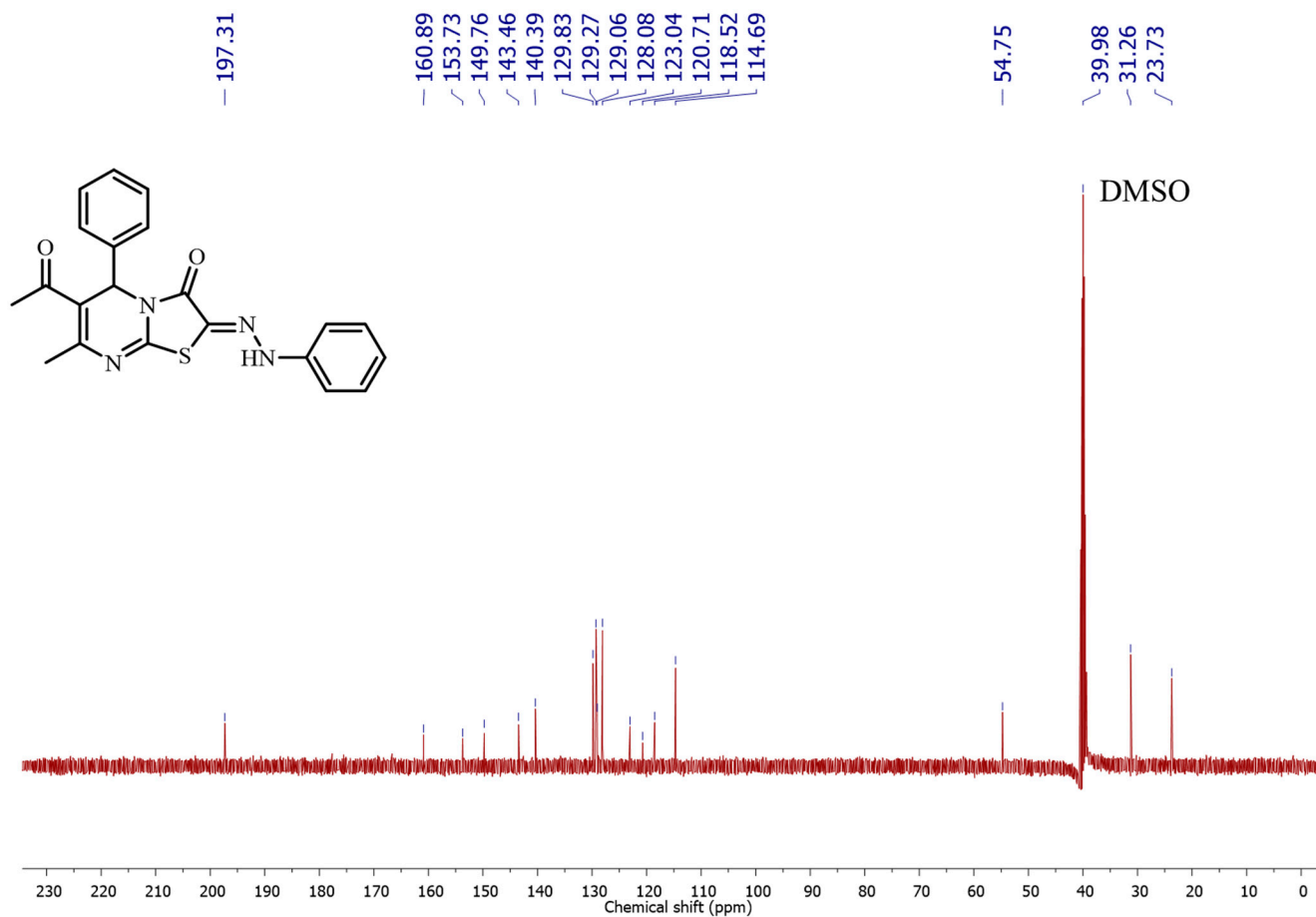


Figure S6. IR spectrum of compound 3a (KBr tablet).

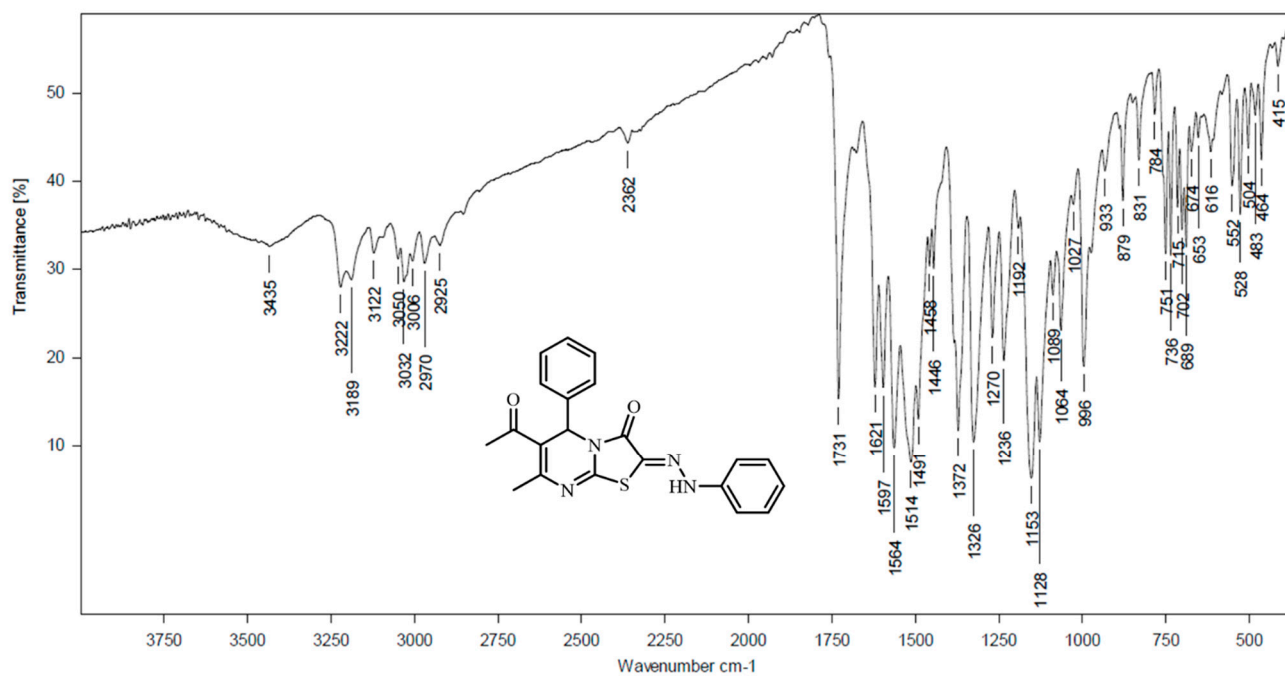


Figure S7. ESI MS spectrum of compound 3a (Ion Polarity: Positive).

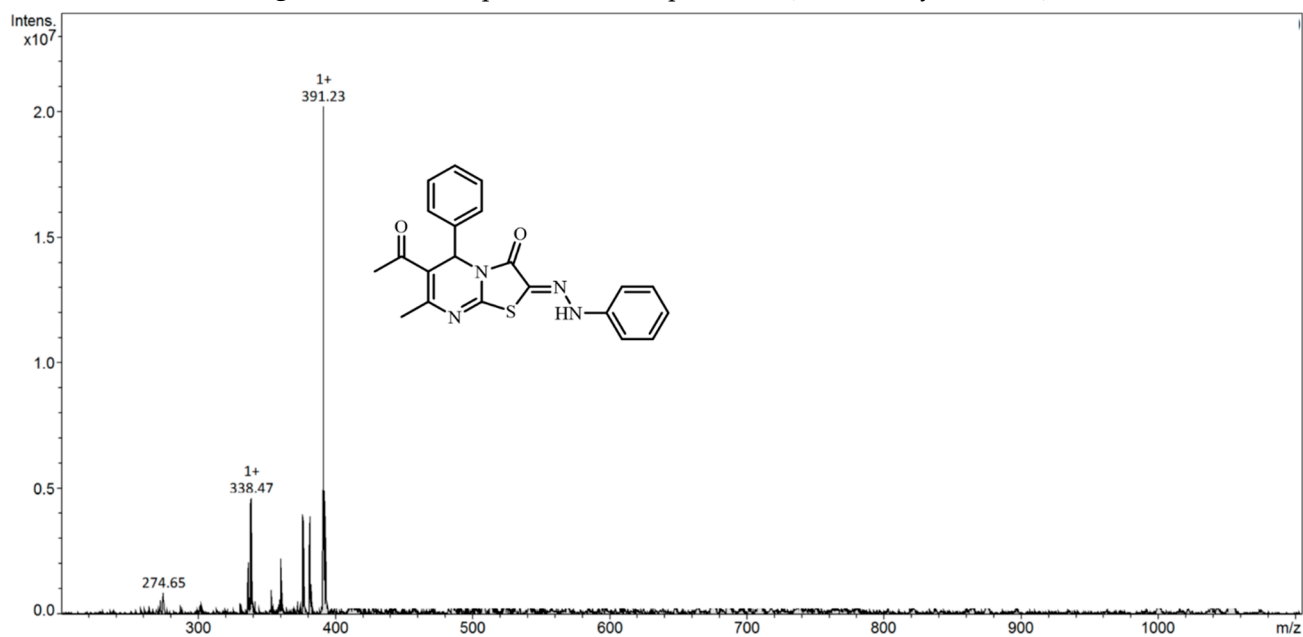


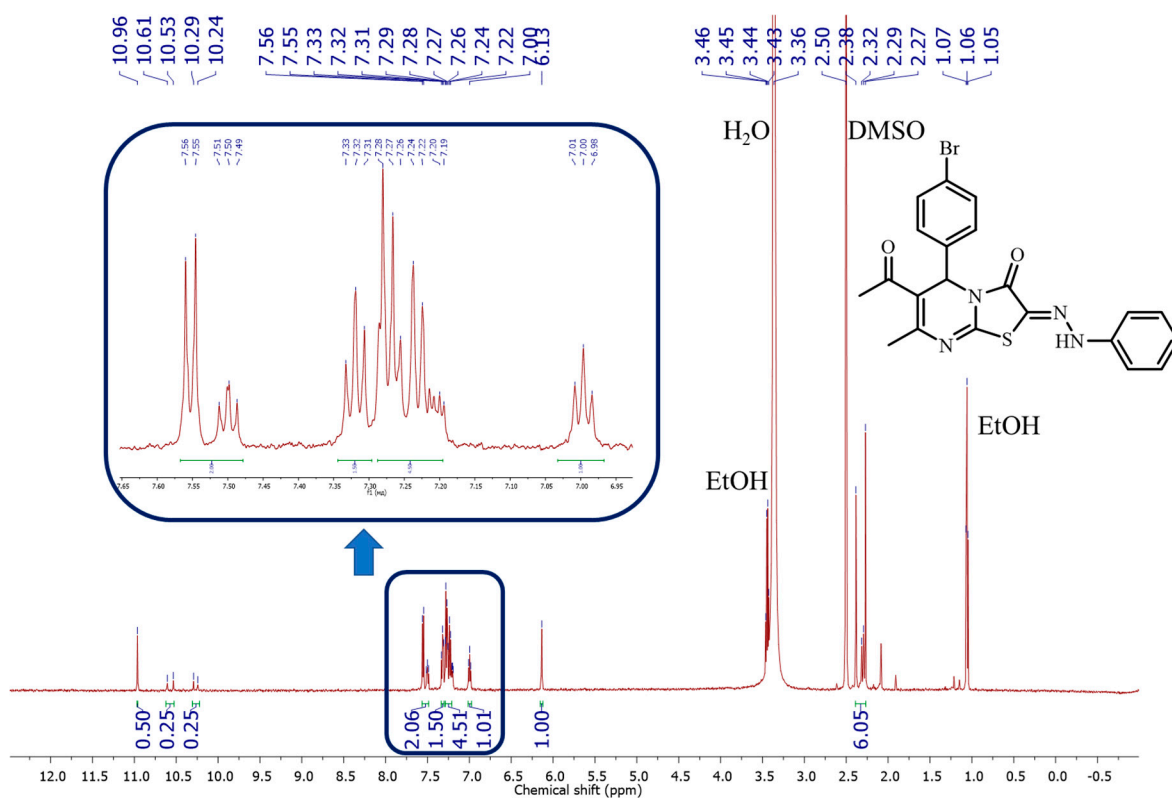
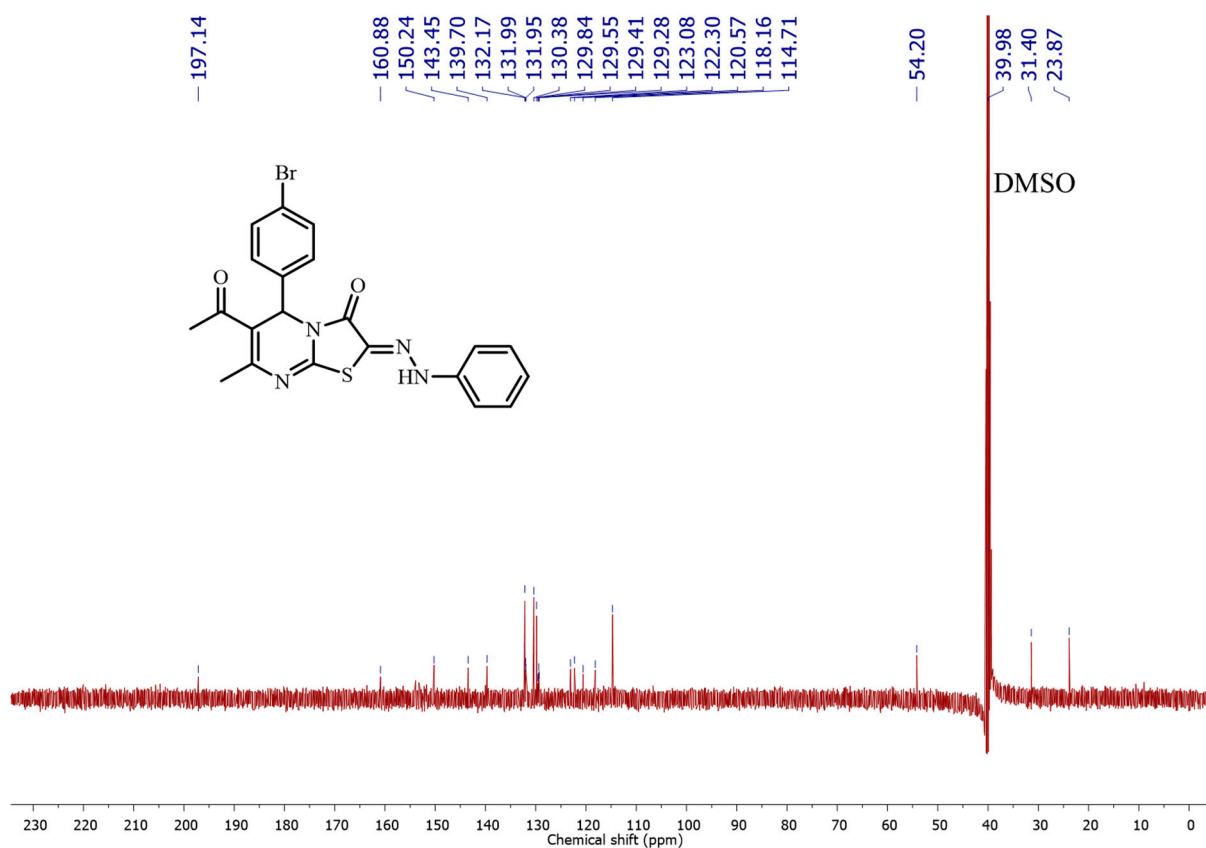
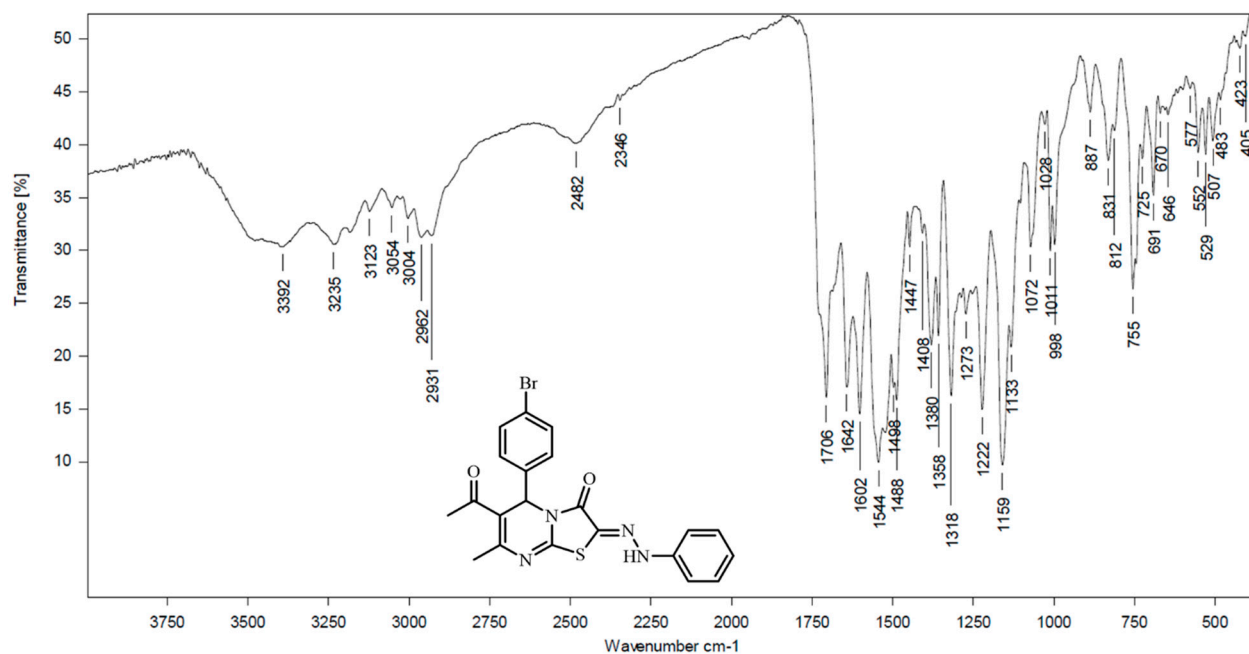
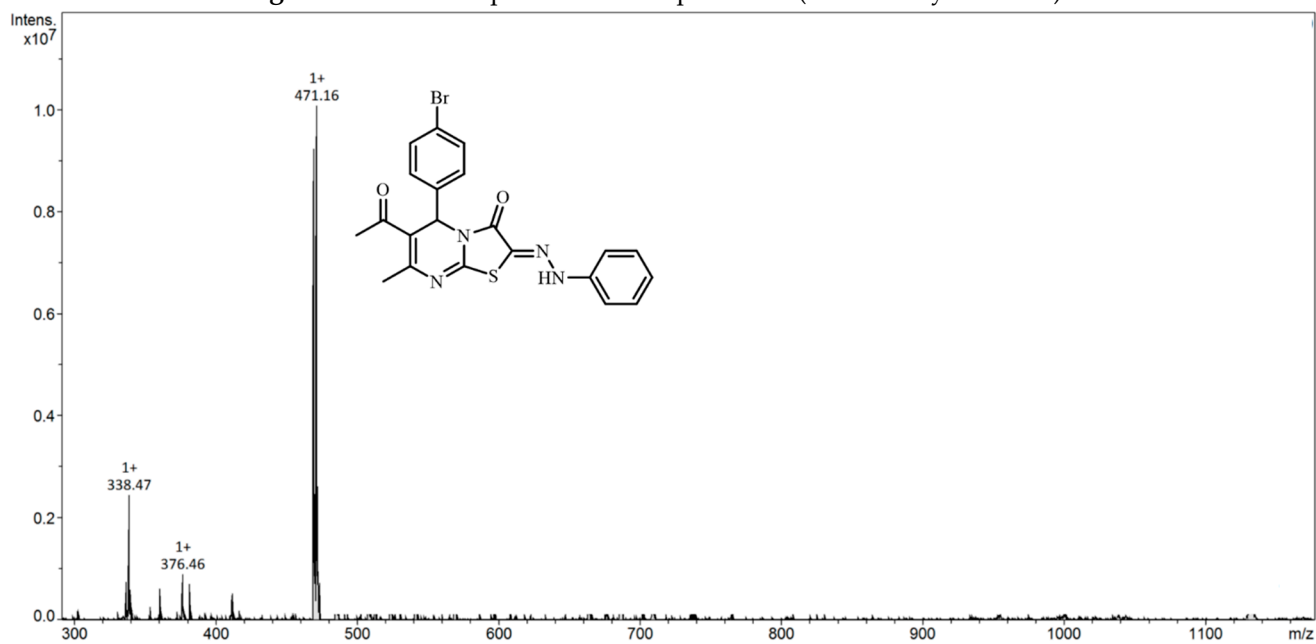
Figure S8. ^1H NMR spectrum of compound **3b** (DMSO- d_6 , 400 MHz, 25°C).**Figure S9.** ^{13}C NMR spectrum of compound **3b** (DMSO- d_6 , 100 MHz, 25°C).

Figure S10. IR spectrum of compound **3b** (KBr tablet).**Figure S11.** ESI MS spectrum of compound **3b** (Ion Polarity: Positive).**Figure S12.** ¹H NMR spectrum of compound **3c** (DMSO-d₆, 400 MHz, 25°C).

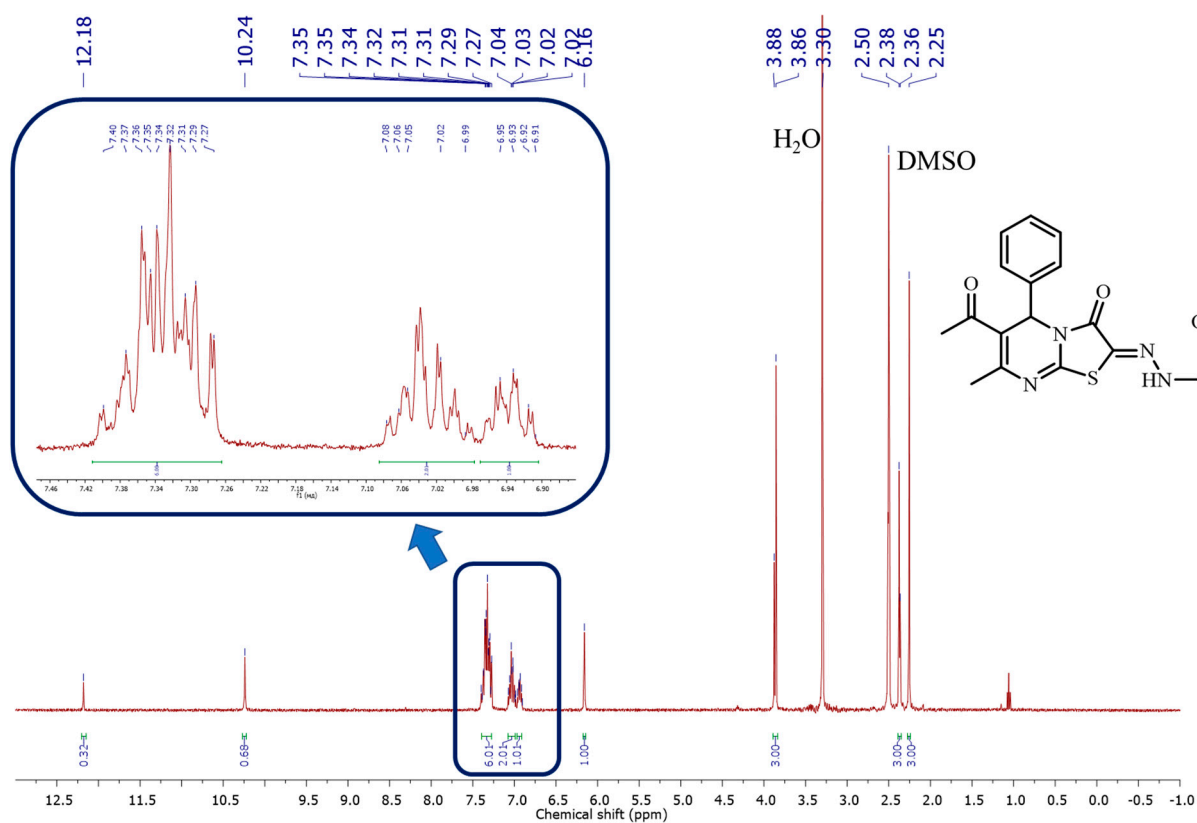


Figure S13. ¹³C NMR spectrum of compound 3c (DMSO-d₆, 100 MHz, 25°C).

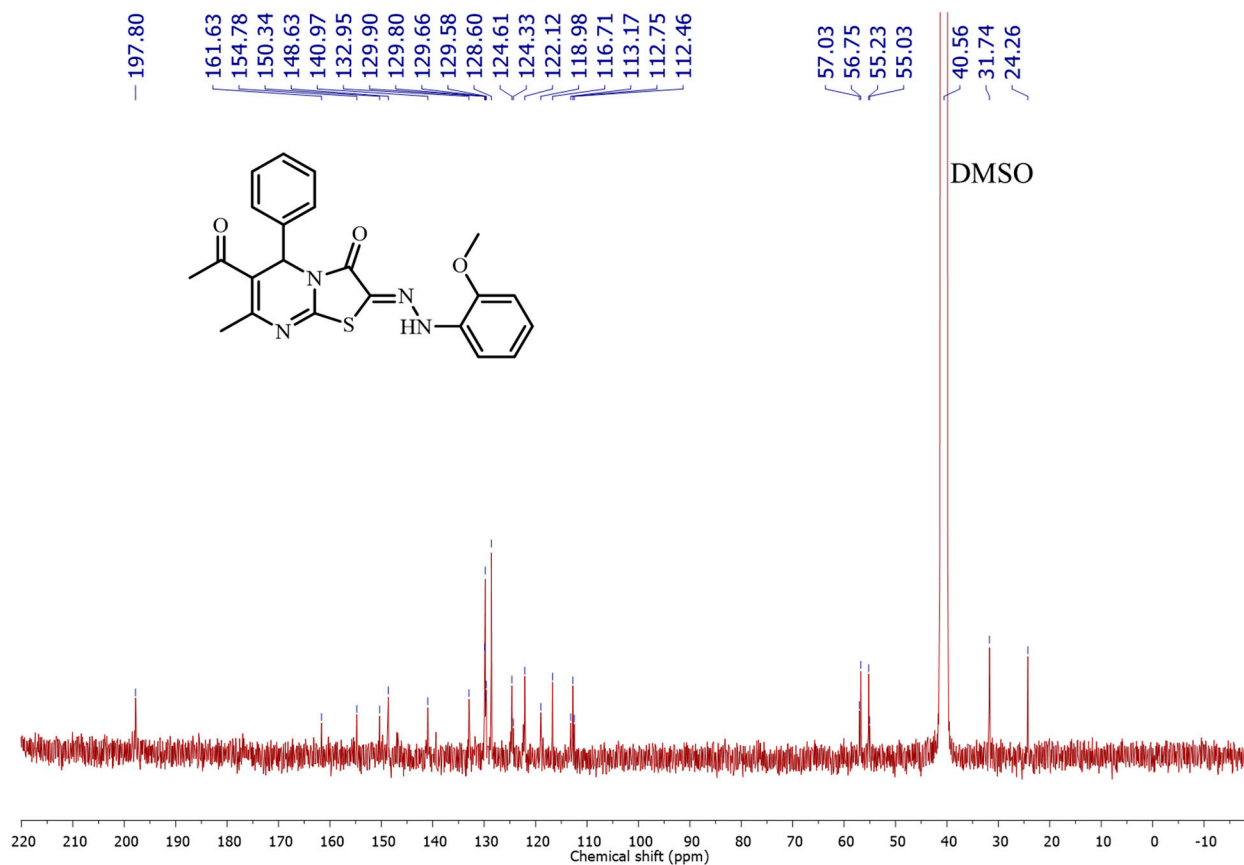
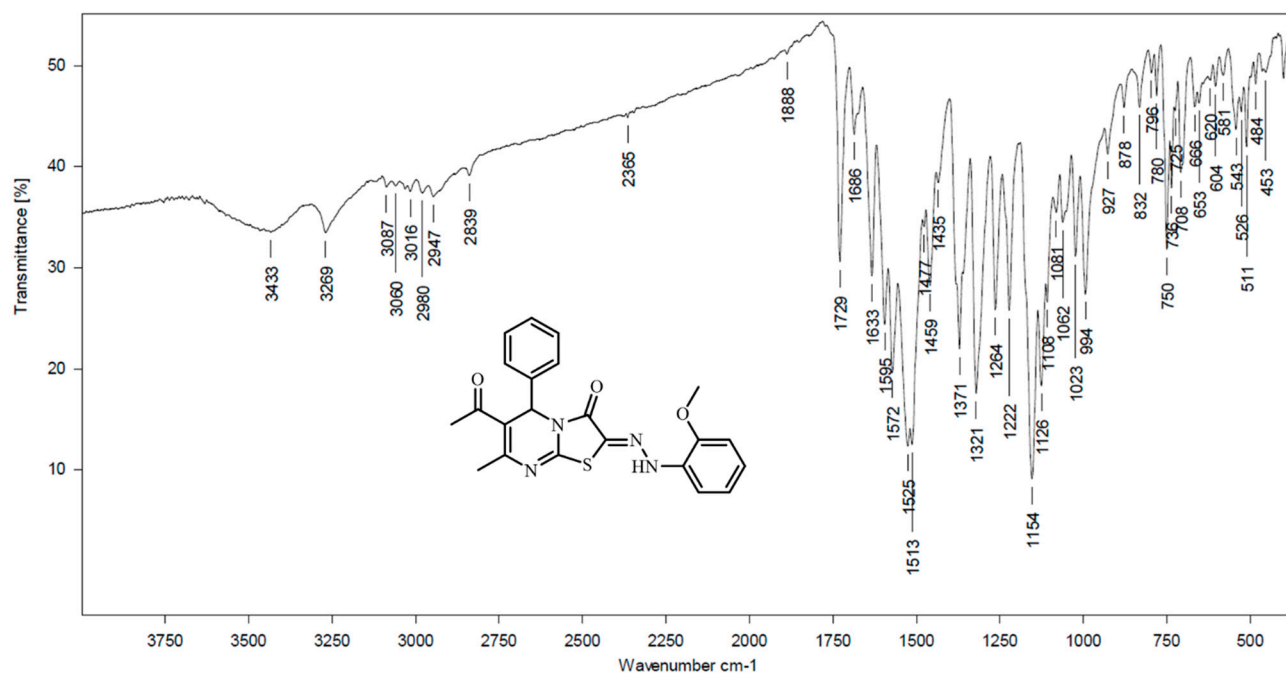
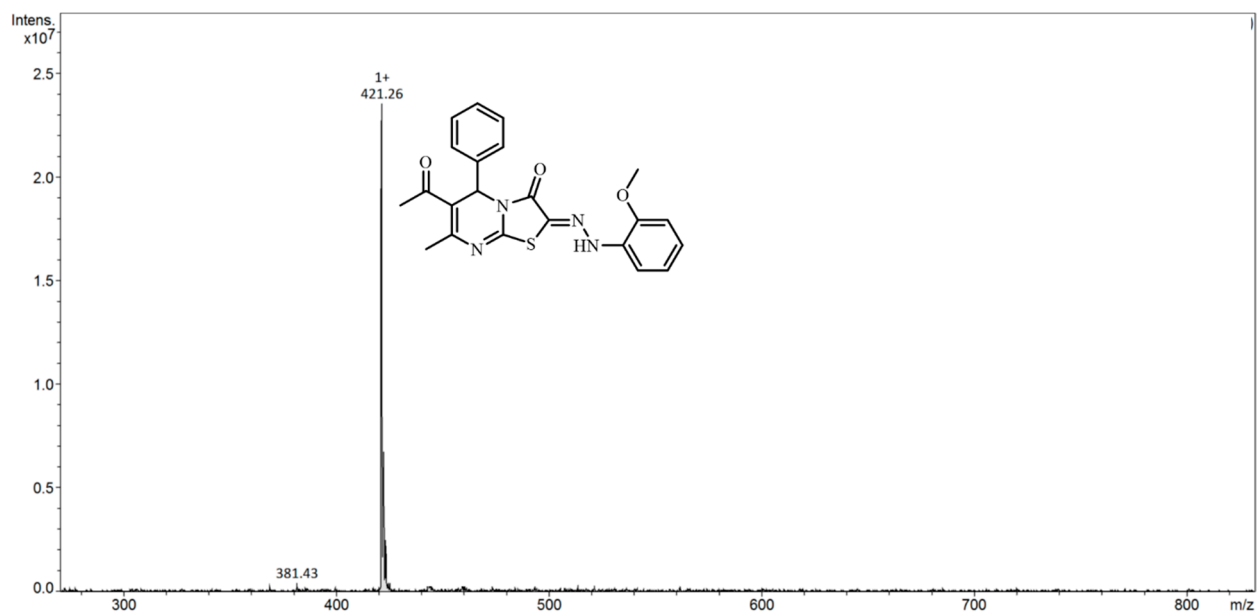


Figure S14. IR spectrum of compound **3c** (KBr tablet).**Figure S15.** ESI MS spectrum of compound **3c** (Ion Polarity: Positive).**Figure S16.** ¹H NMR spectrum of compound **4a** (DMSO-d₆, 400 MHz, 25°C).

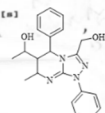


Figure S18. ^{13}C NMR spectrum of compound **4a** (DMSO- d_6 , 100 MHz, 25°C).

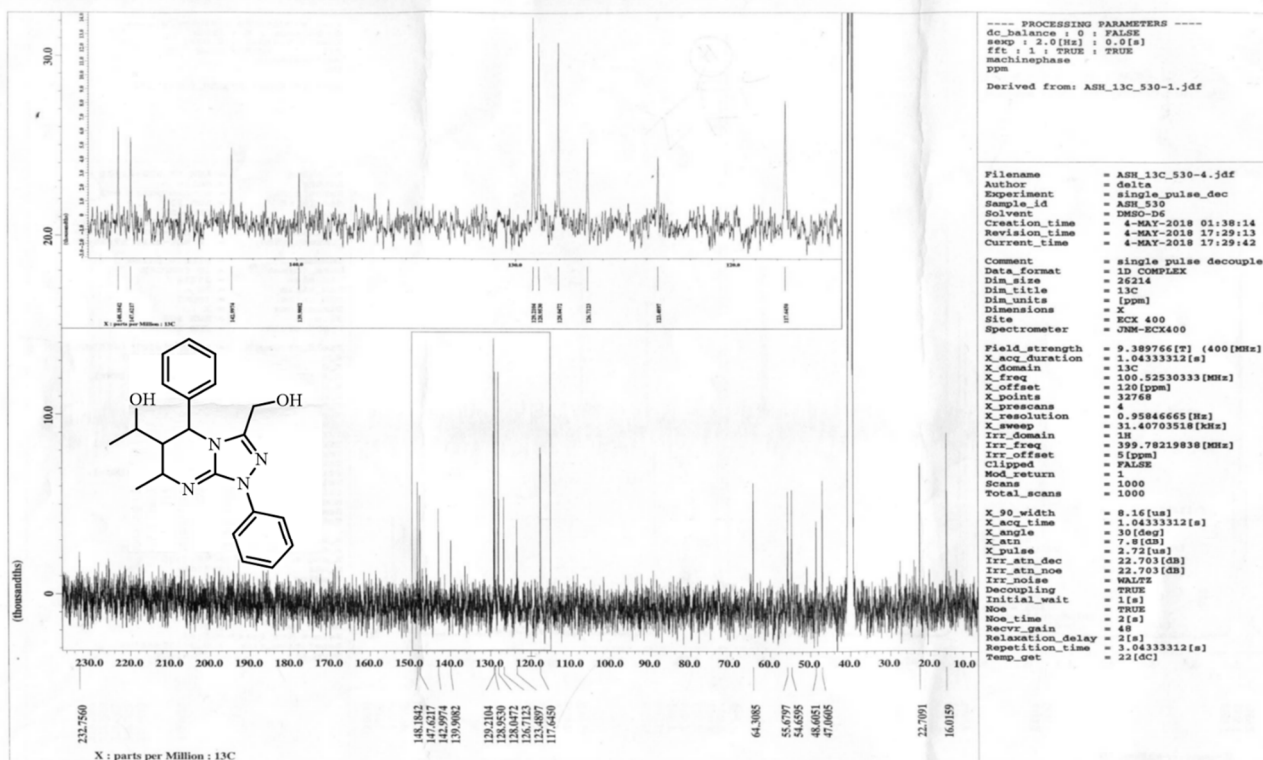


Figure S18. DEPT spectrum of compound **4a** (DMSO-d₆, 100 MHz, 25°C).

