

Synthesis, characterization, antimicrobial and anticancer evaluations of Some novel heteroannulated difuro[3,2-c:3',2'-g]chromenes

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Copies of IR, ^1H -NMR, ^{13}C -NMR and mass spectral data for the synthesized compounds:

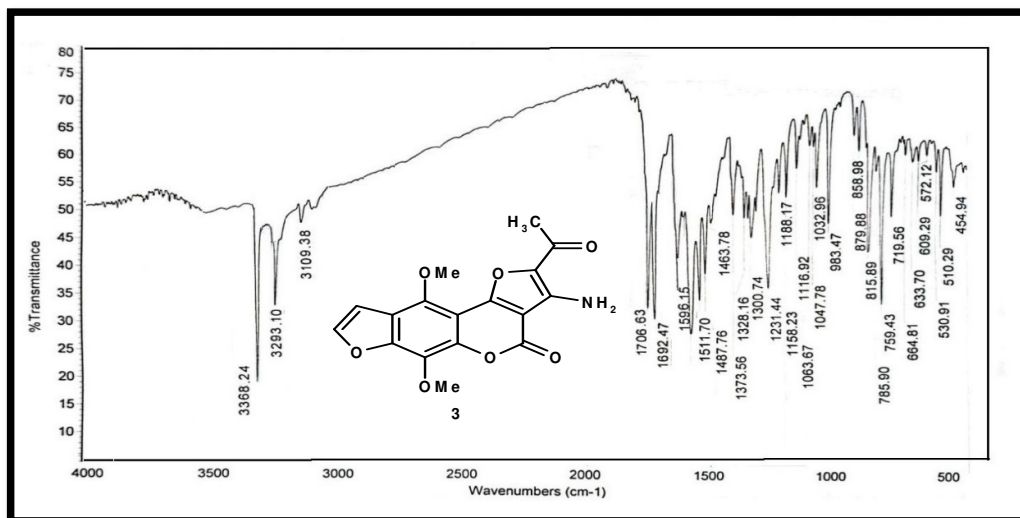


Figure S1: IR Spectrum of compound 3

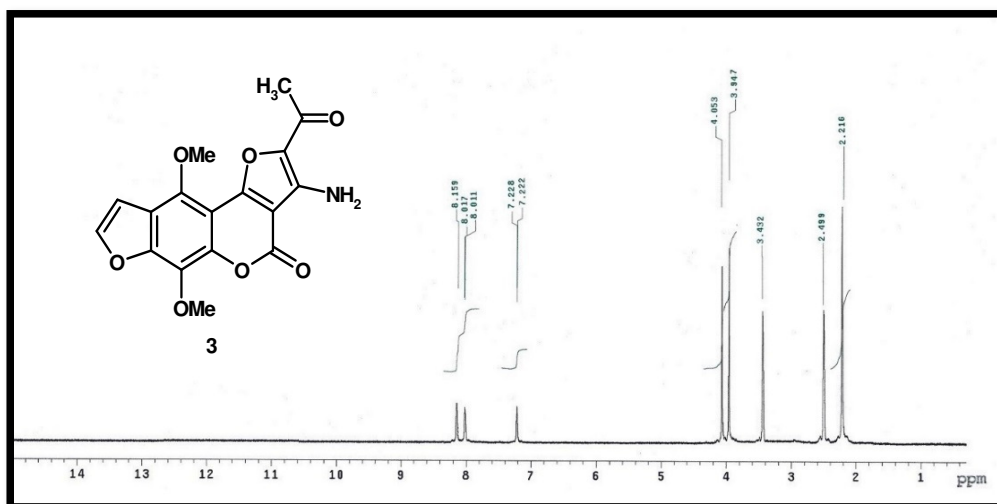


Figure S2 (DMSO-*d*₆, 400 MHz): ^1H NMR Spectrum of compound 3

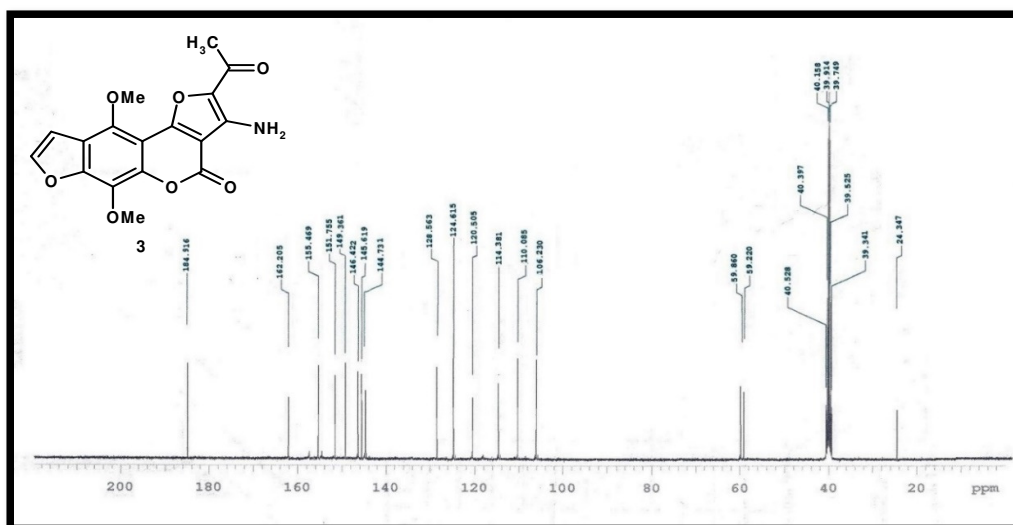


Figure S3 (DMSO-*d*₆, 100 MHz): ¹³C NMR Spectrum of compound 3

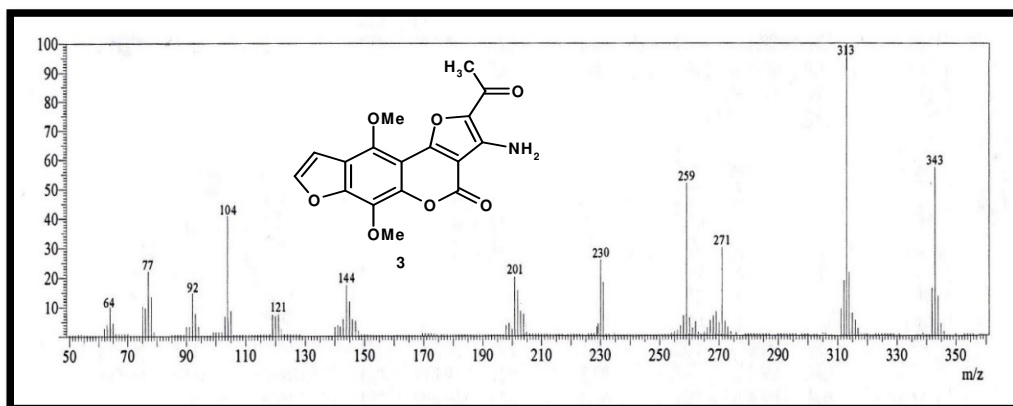


Figure S4: Mass Spectrum of compound 3

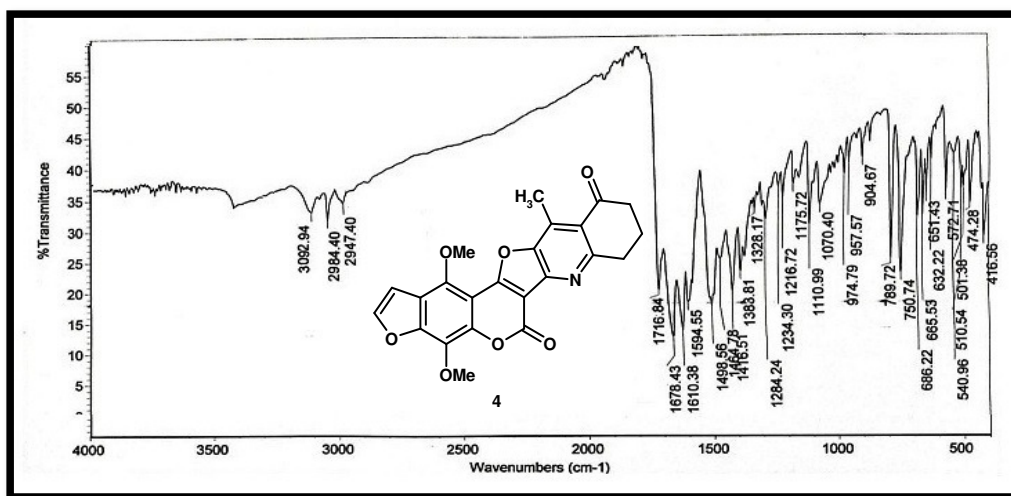


Figure S5: IR Spectrum of compound 4

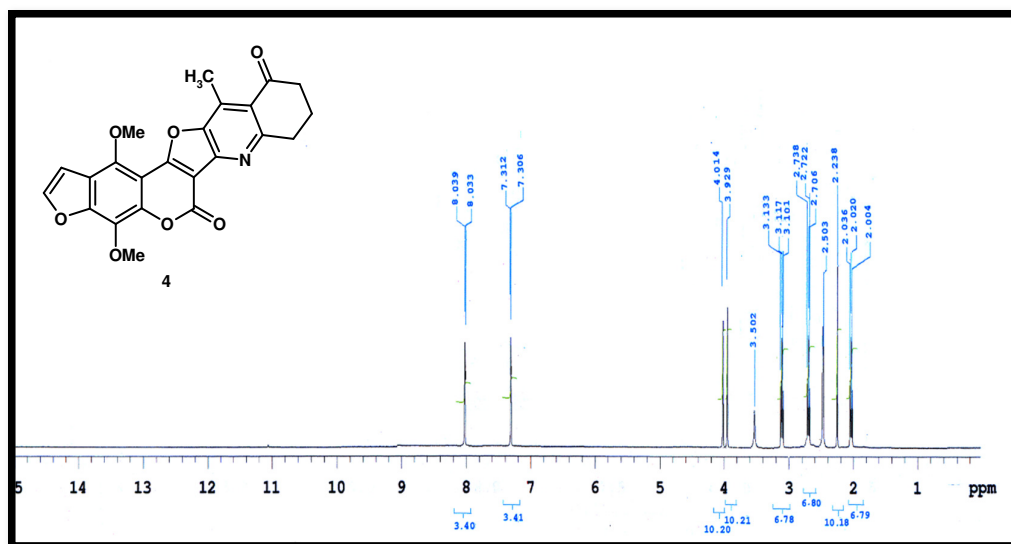


Figure S6 (DMSO-*d*₆, 400 MHz): ¹H NMR Spectrum of compound 4

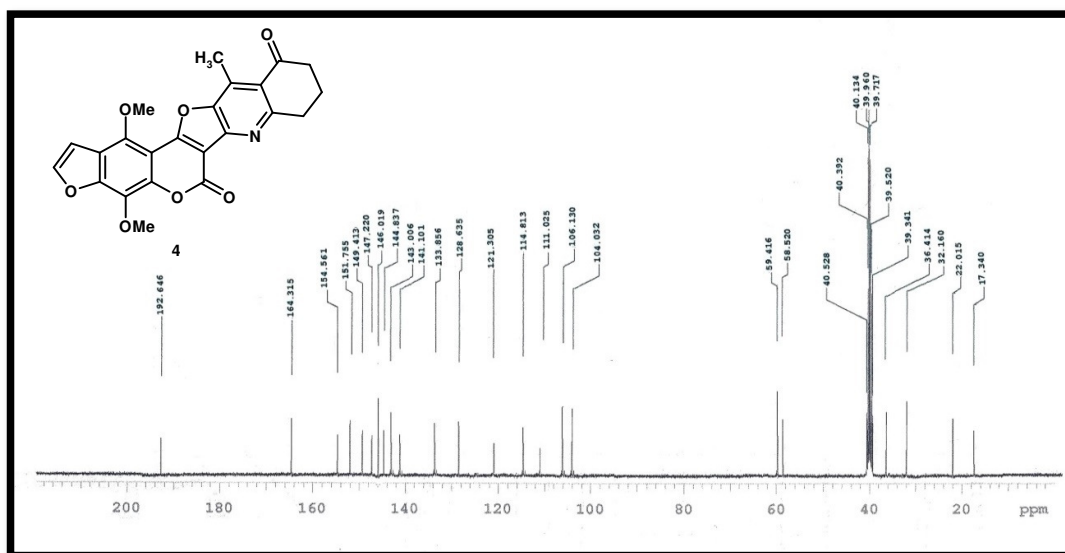


Figure S7 (DMSO-*d*₆, 100 MHz): ¹³C NMR Spectrum of compound 4

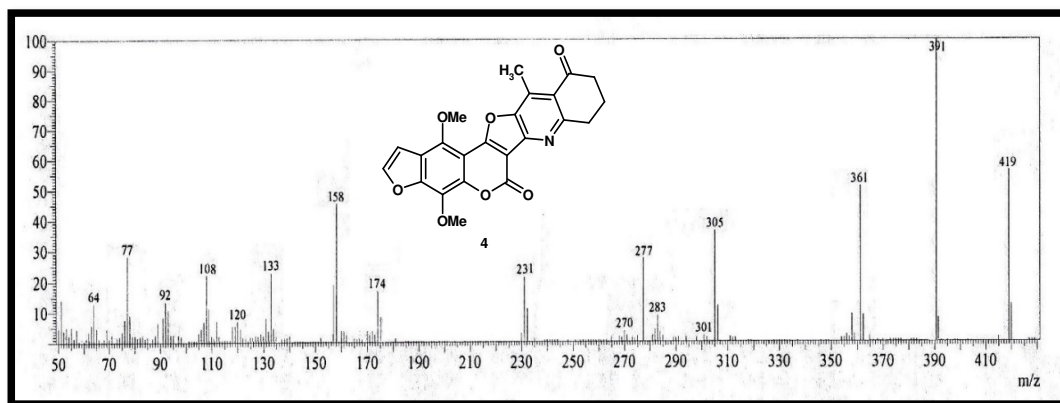


Figure S8: Mass Spectrum of compound 4

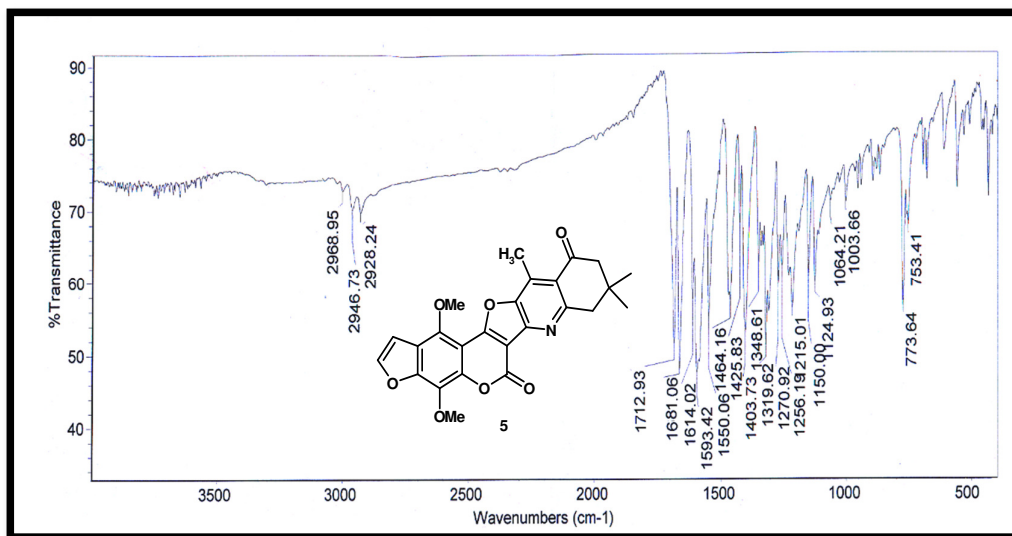


Figure S9: IR Spectrum of compound 5

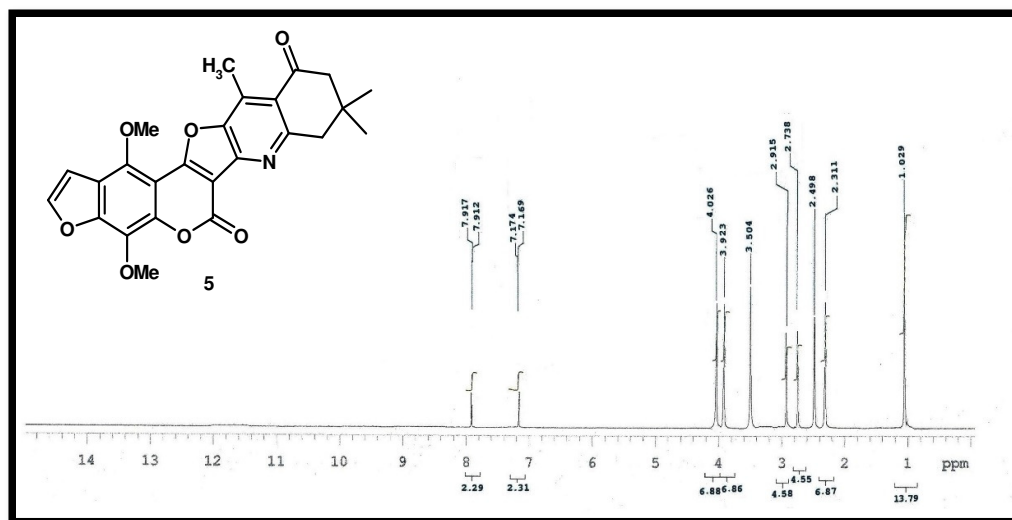


Figure S10 (DMSO-*d*₆, 400 MHz): ¹H NMR Spectrum of compound 5

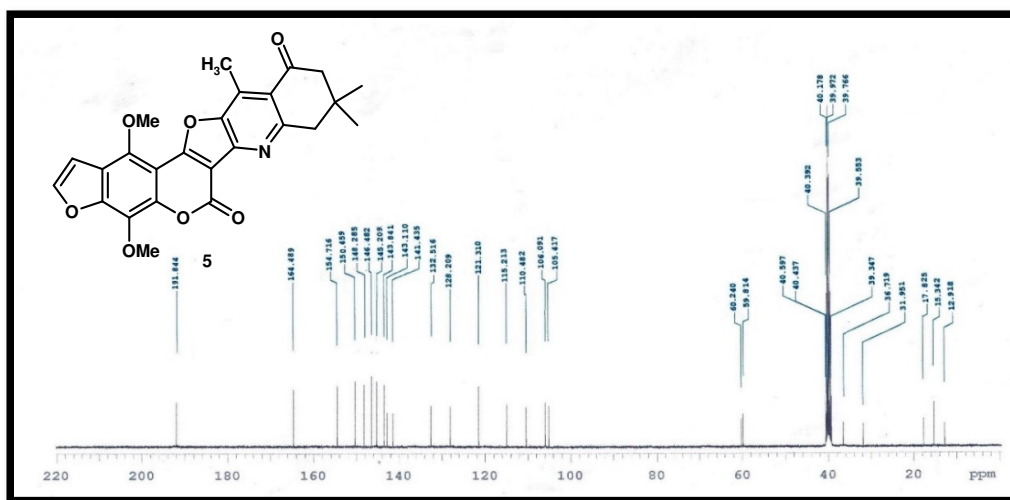


Figure S11 (DMSO-*d*₆, 100 MHz): ¹³C NMR Spectrum of compound 5

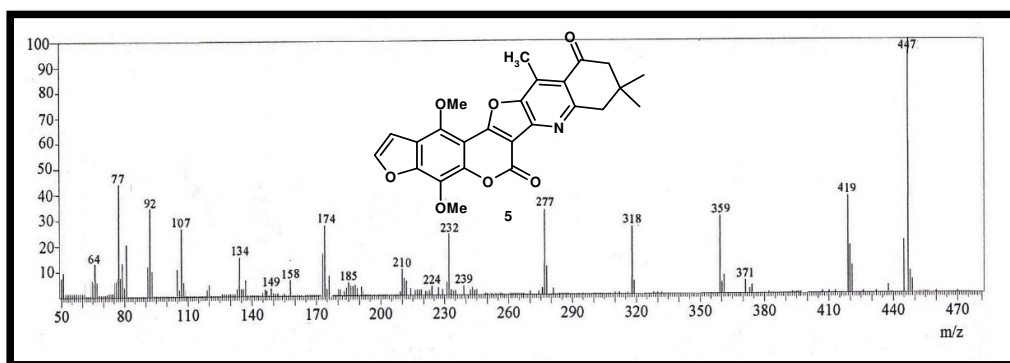


Figure S12: Mass Spectrum of compound 5

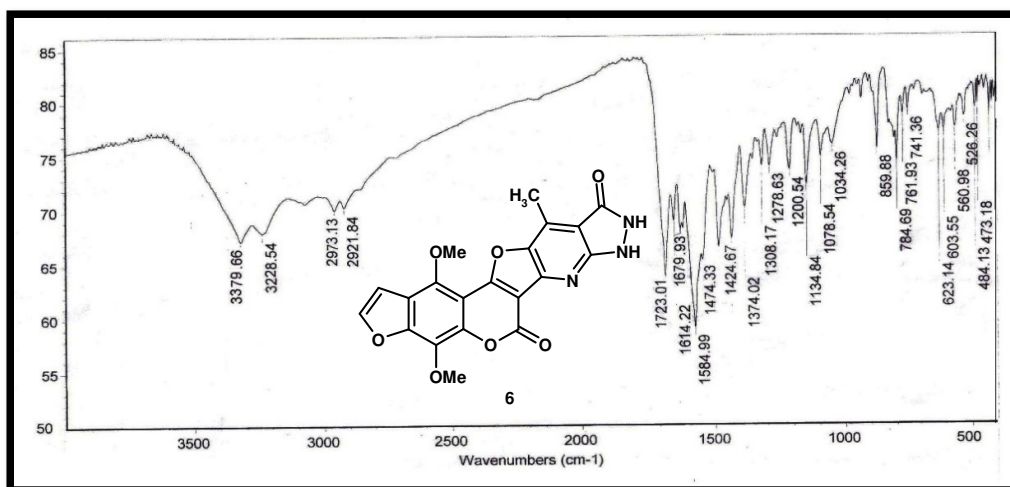


Figure S13: IR Spectrum of compound 6

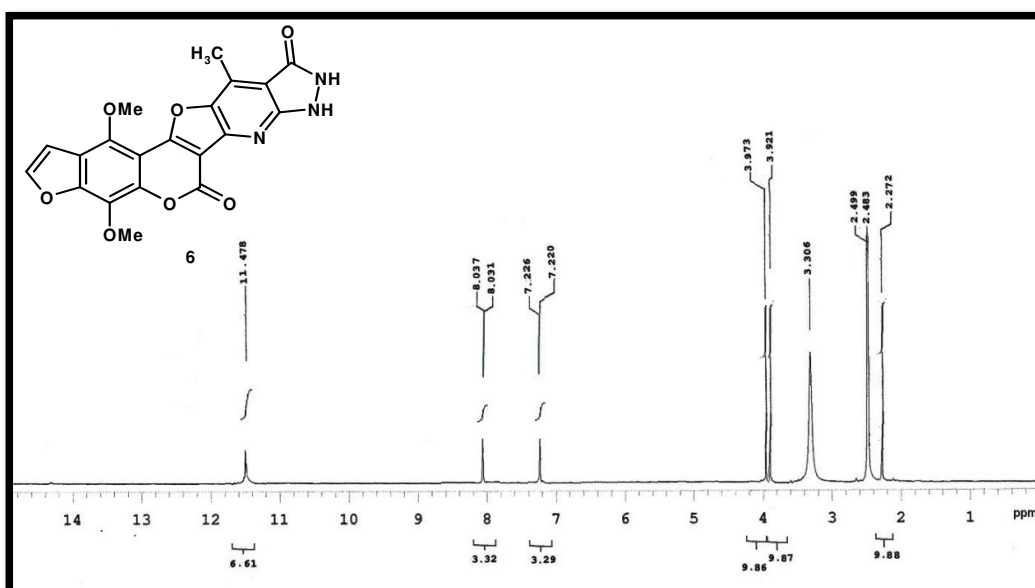


Figure S14 (DMSO-*d*₆, 400 MHz): ¹H NMR Spectrum of compound 6

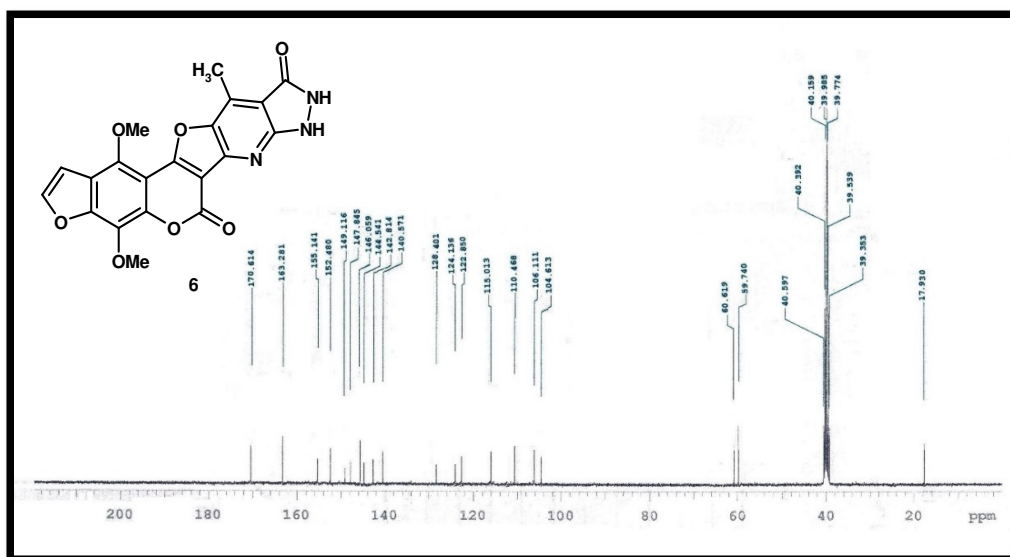


Figure S15 (DMSO-*d*₆, 100 MHz): ¹³C NMR Spectrum of compound 6

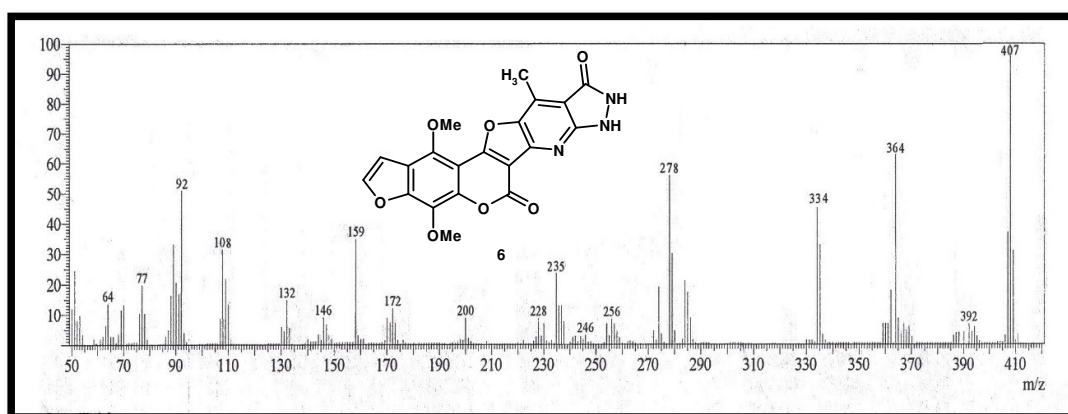


Figure S16: Mass Spectrum of compound 6

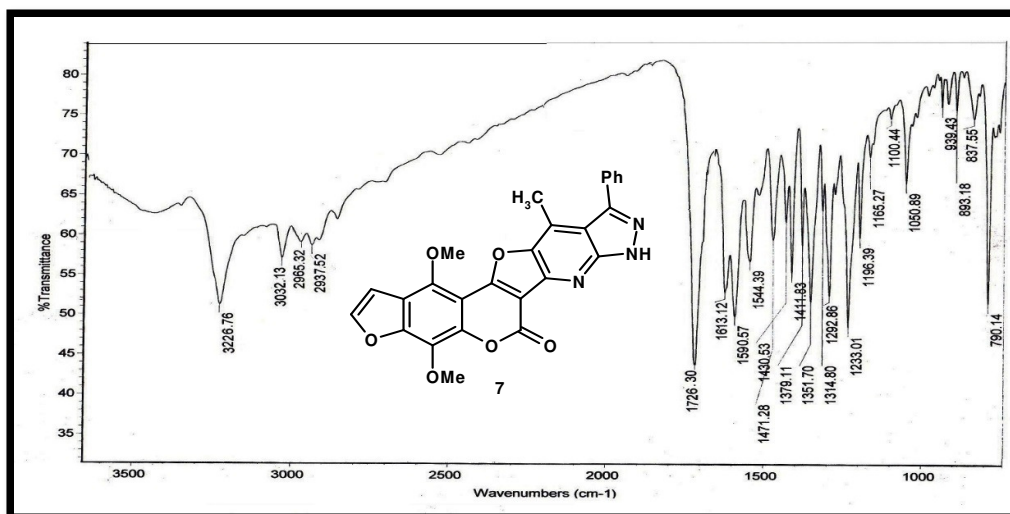


Figure S17: IR Spectrum of compound 7

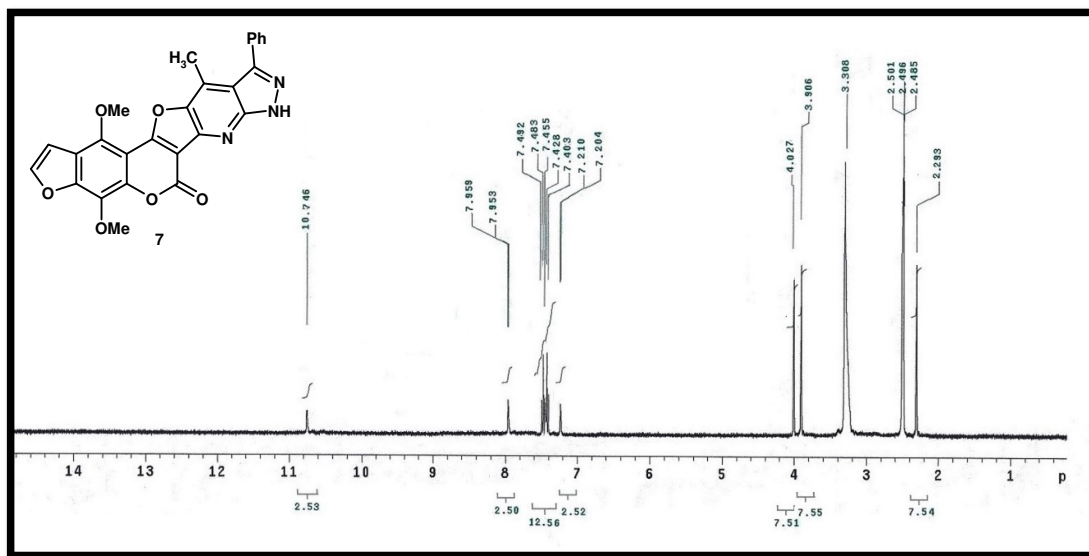


Figure S18 (DMSO-*d*₆, 400 MHz): ¹H NMR Spectrum of compound 7

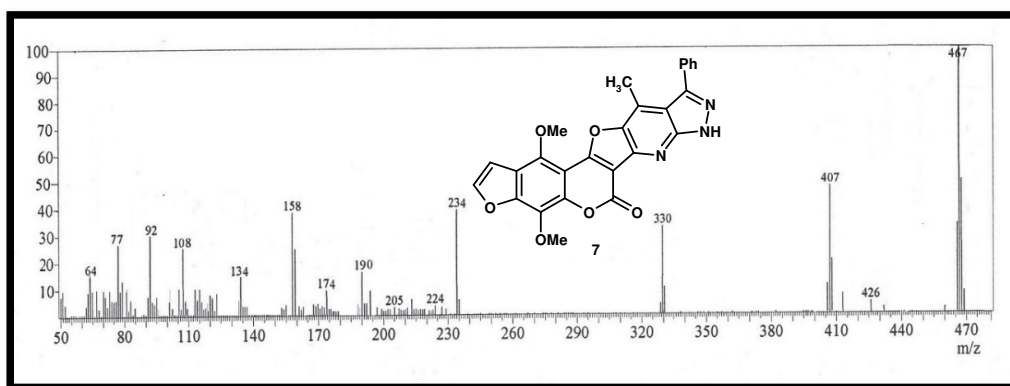


Figure S19: Mass Spectrum of compound 7

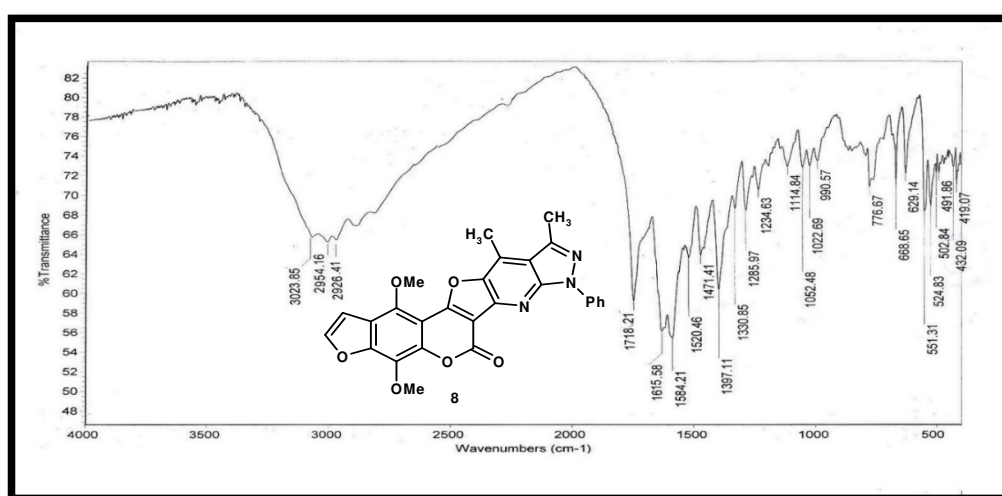


Figure S20: IR Spectrum of compound 8

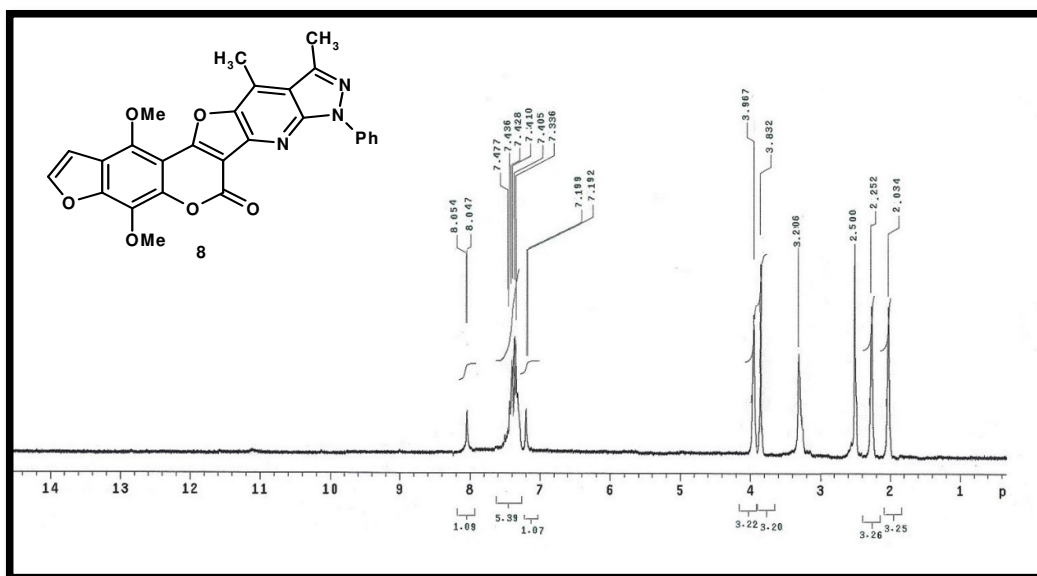


Figure S21 (DMSO-*d*₆, 400 MHz): ¹H NMR Spectrum of compound 8

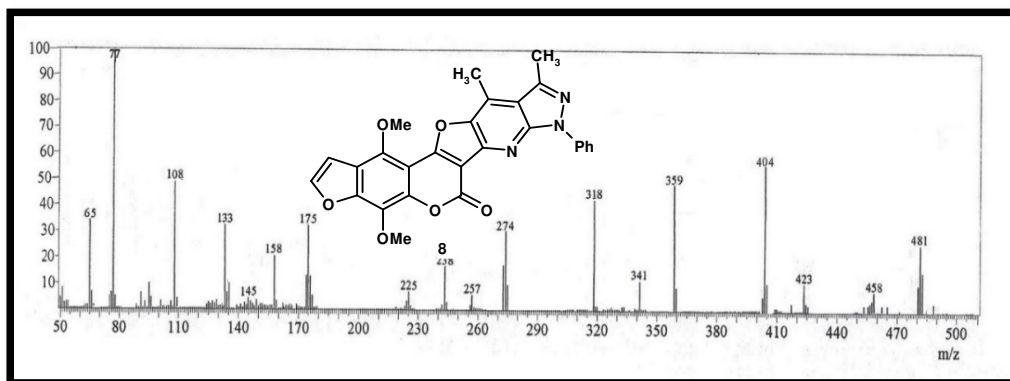


Figure S22: Mass Spectrum of compound 8

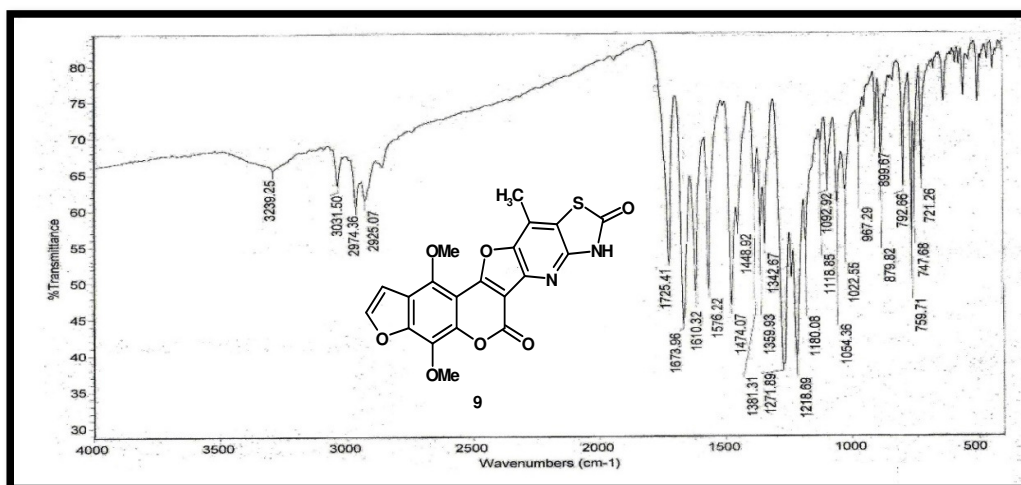


Figure S23: IR Spectrum of compound 9

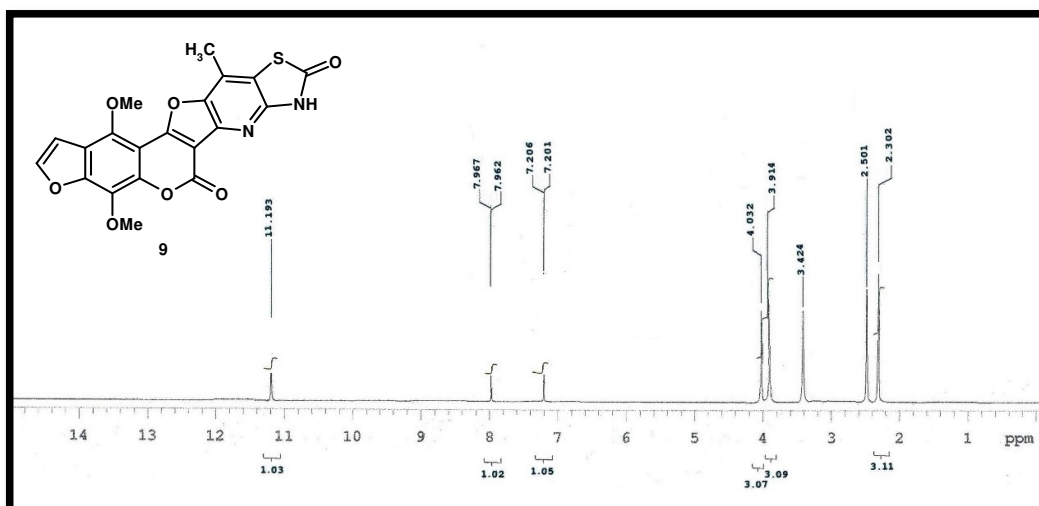


Figure S24 (DMSO-*d*₆, 400 MHz): ¹H NMR Spectrum of compound 9

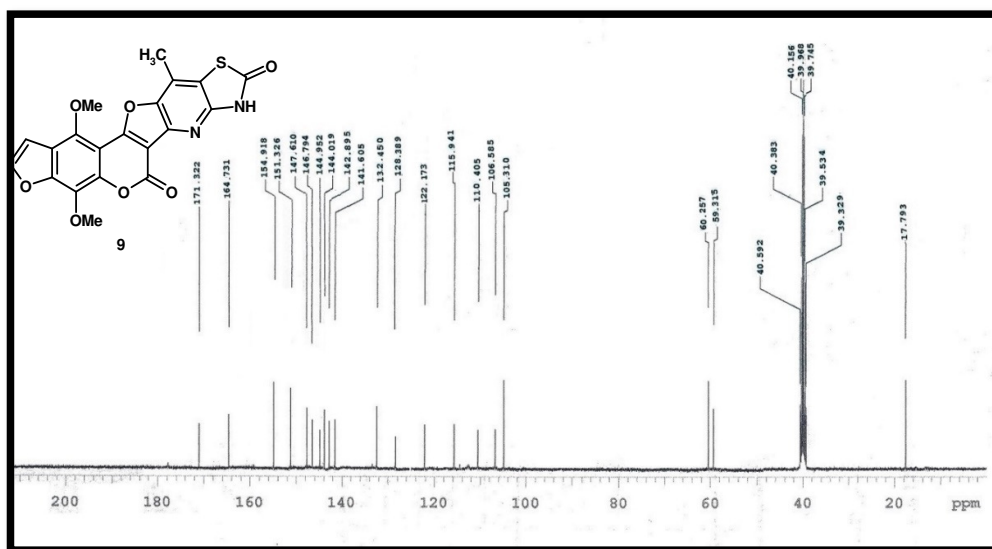


Figure S25 (DMSO-*d*₆, 100 MHz): ¹³C NMR Spectrum of compound 9

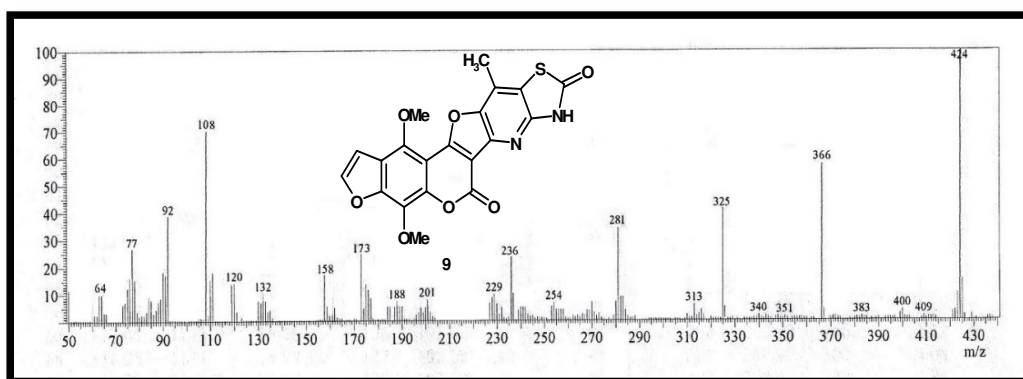


Figure S26: Mass Spectrum of compound 9

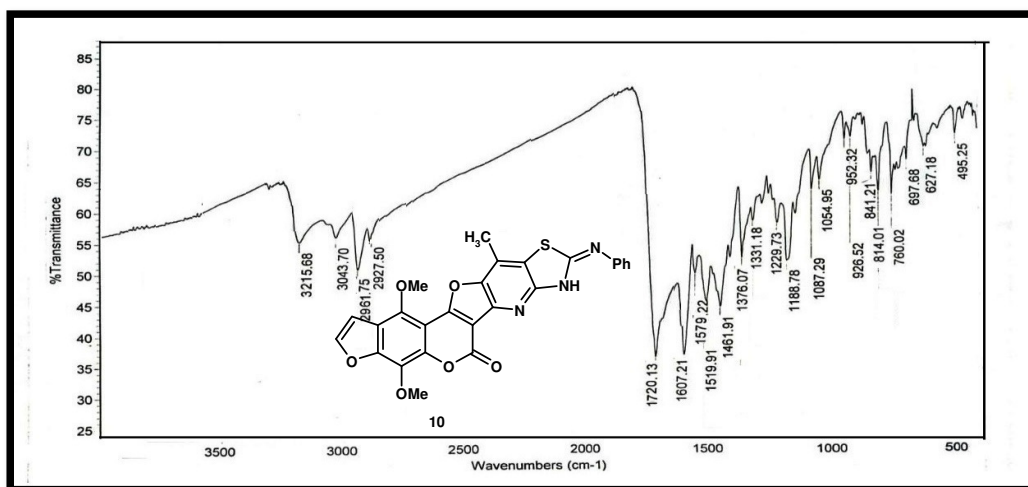


Figure S27: IR Spectrum of compound 10

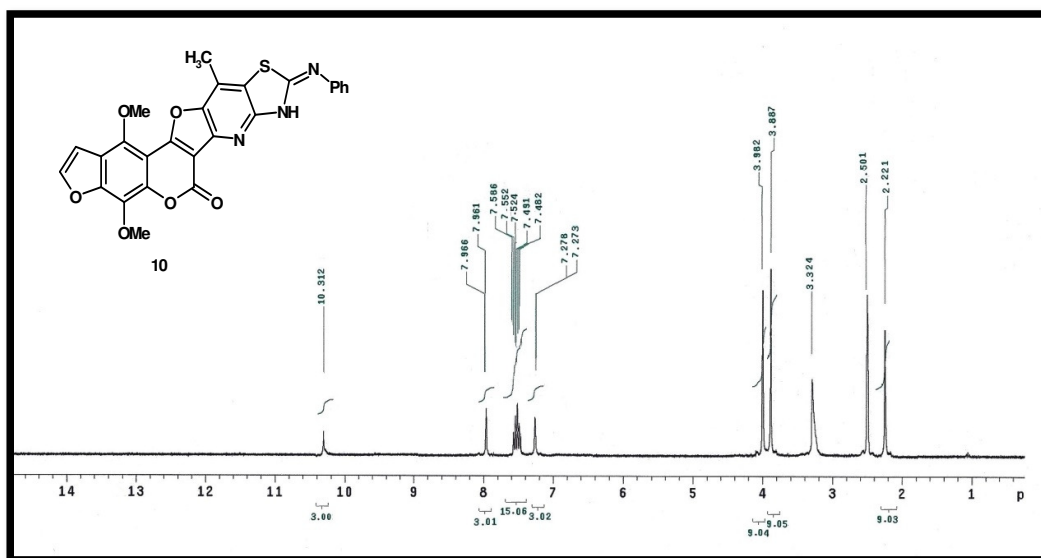


Figure S28 (DMSO- d_6 , 400 MHz): ^1H NMR Spectrum of compound 10

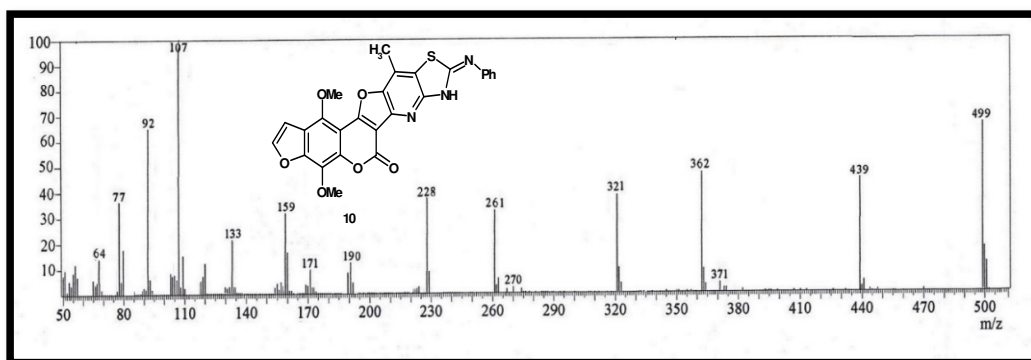


Figure S29: Mass Spectrum of compound 10

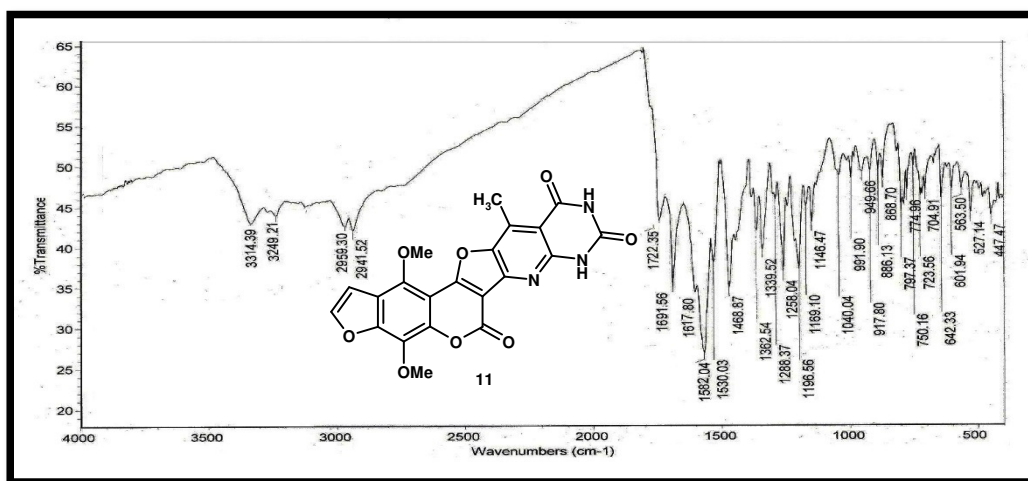


Figure S30: IR Spectrum of compound 11

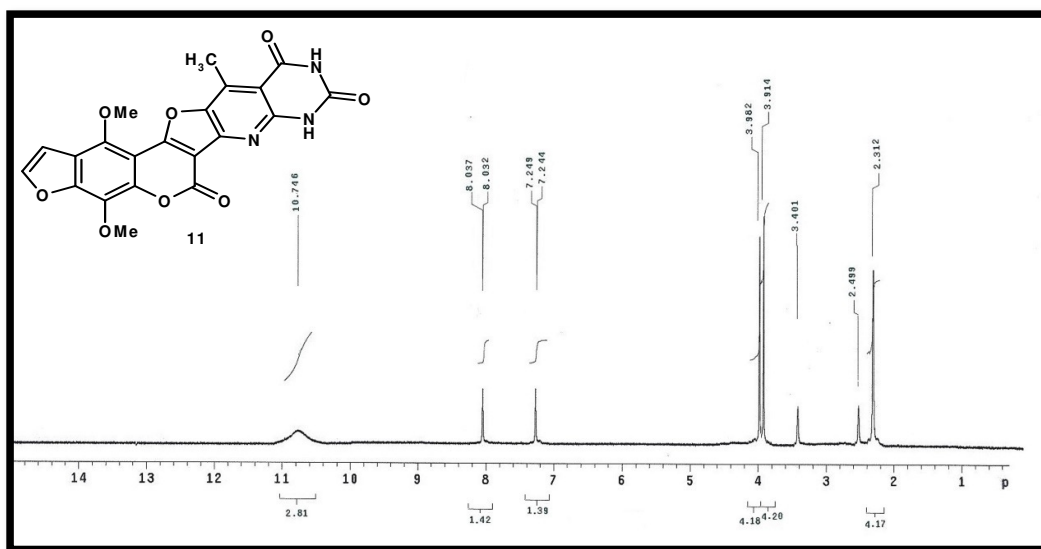


Figure S31 (DMSO-*d*₆, 400 MHz): ¹H NMR Spectrum of compound 11

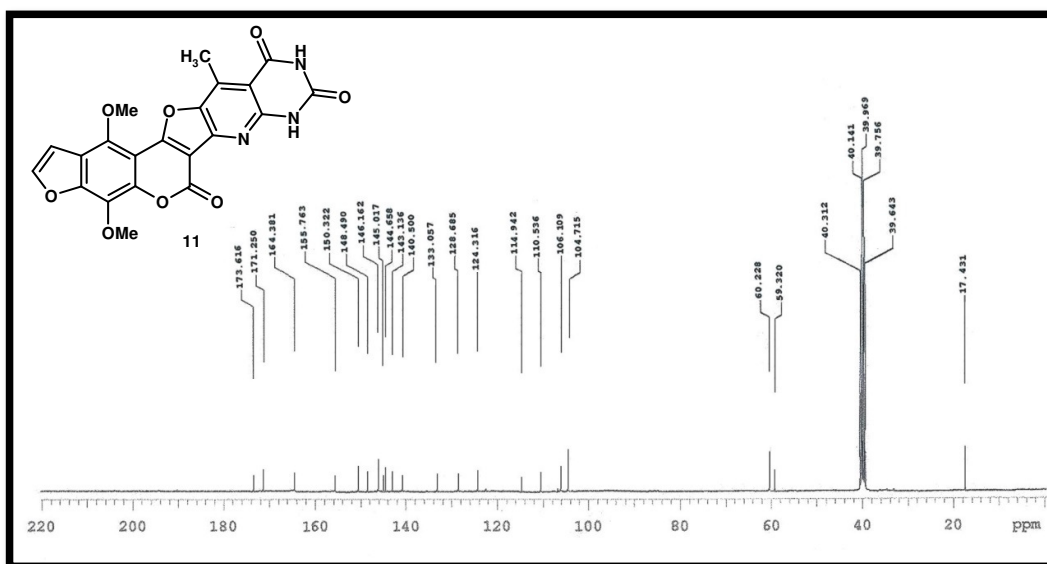


Figure S32 (DMSO-*d*₆, 100 MHz): ¹³C NMR Spectrum of compound 11

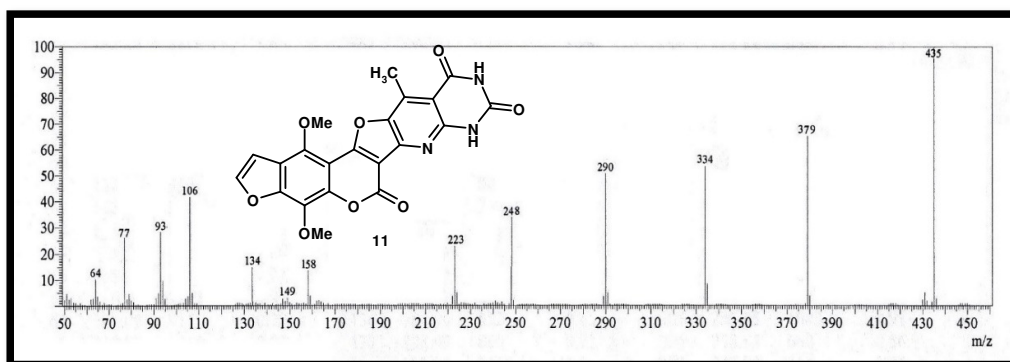


Figure S33: Mass Spectrum of compound 11

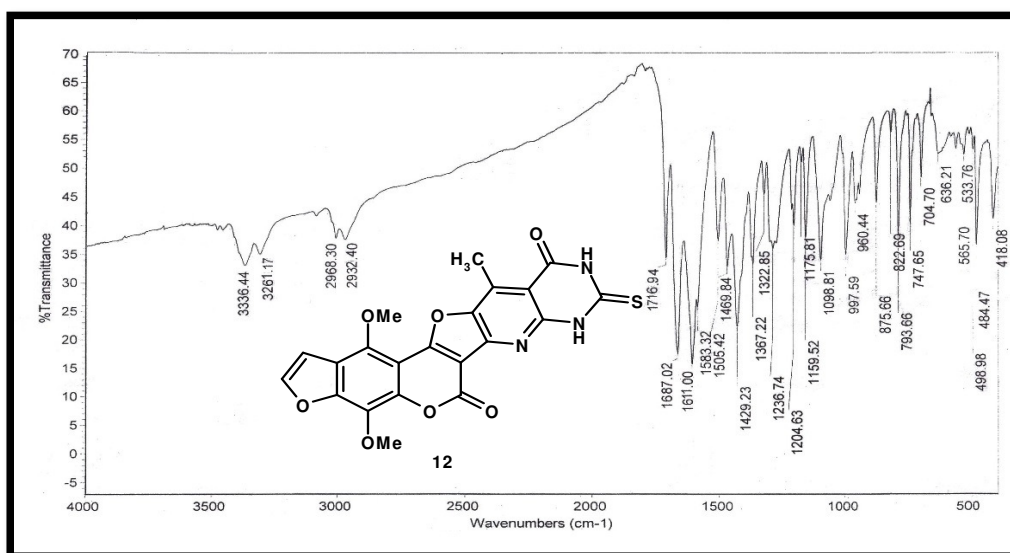


Figure S34: IR Spectrum of compound 12

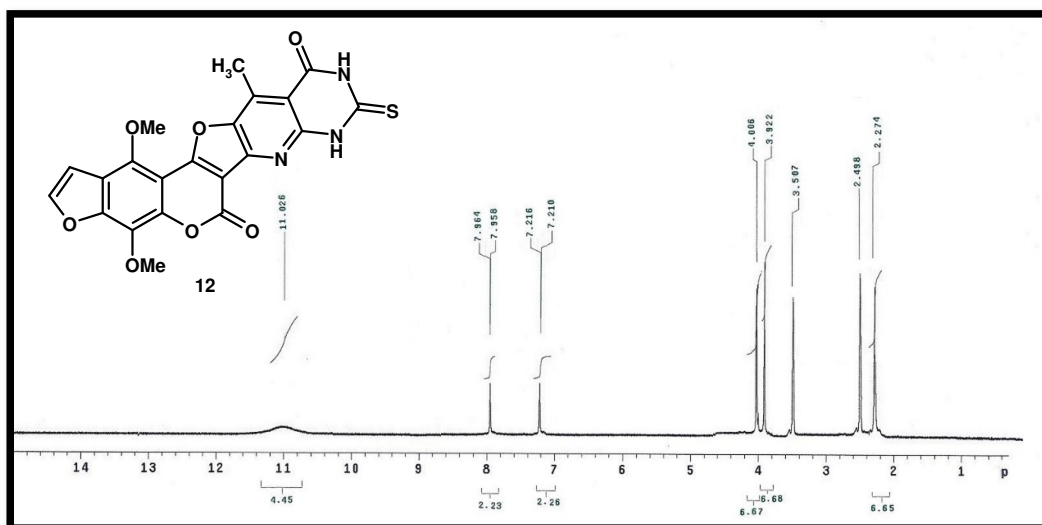


Figure S35 (DMSO-*d*₆, 400 MHz): ¹H NMR Spectrum of compound 12

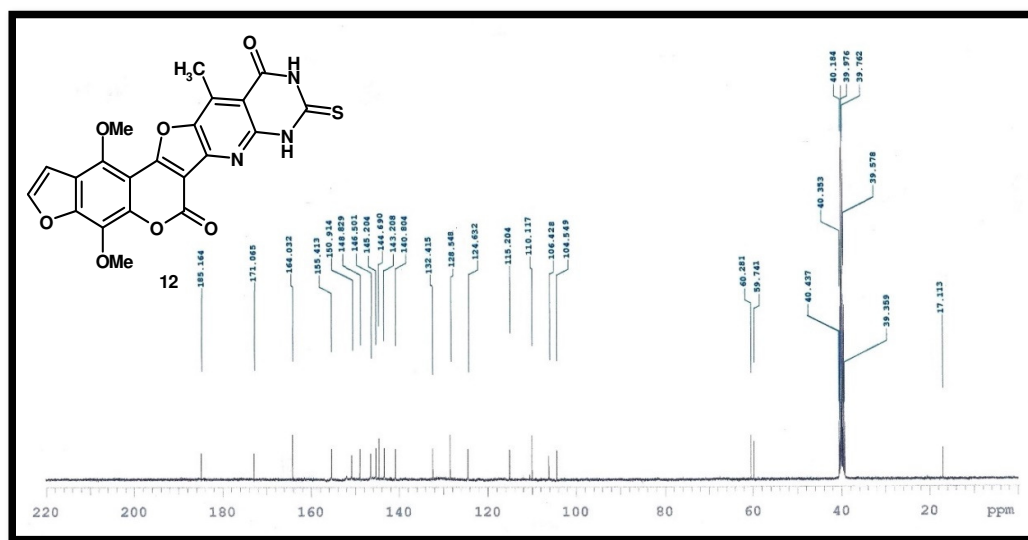


Figure S36 (DMSO-*d*₆, 100 MHz): ¹³C NMR Spectrum of compound 12

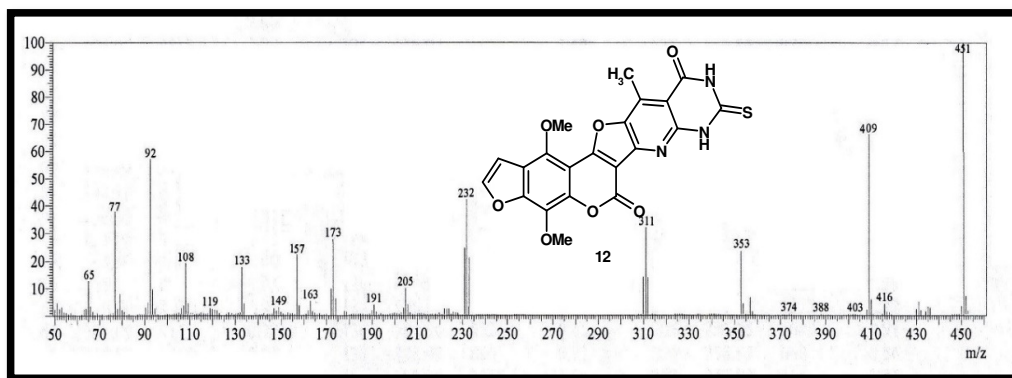


Figure S37: Mass Spectrum of compound 12

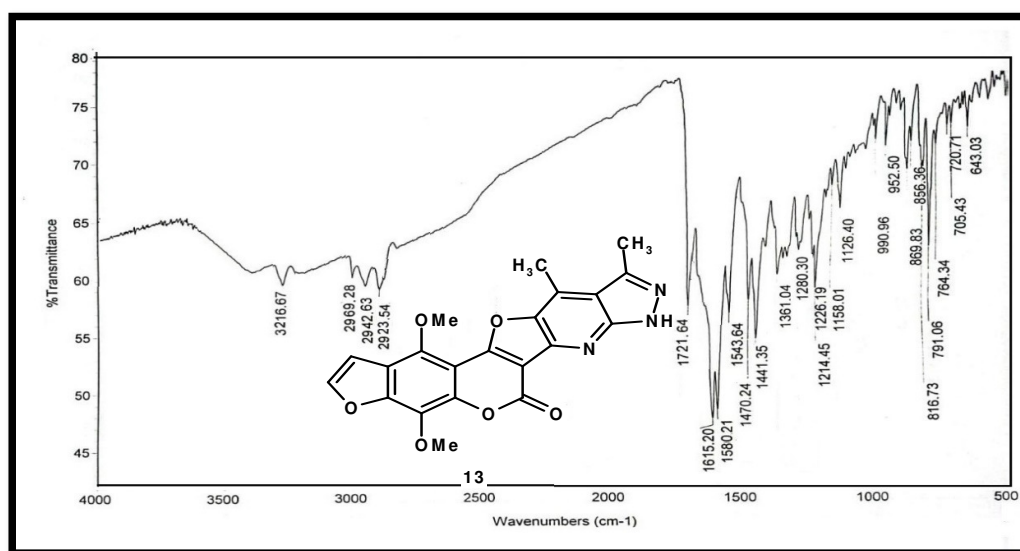


Figure S38: IR Spectrum of compound 13

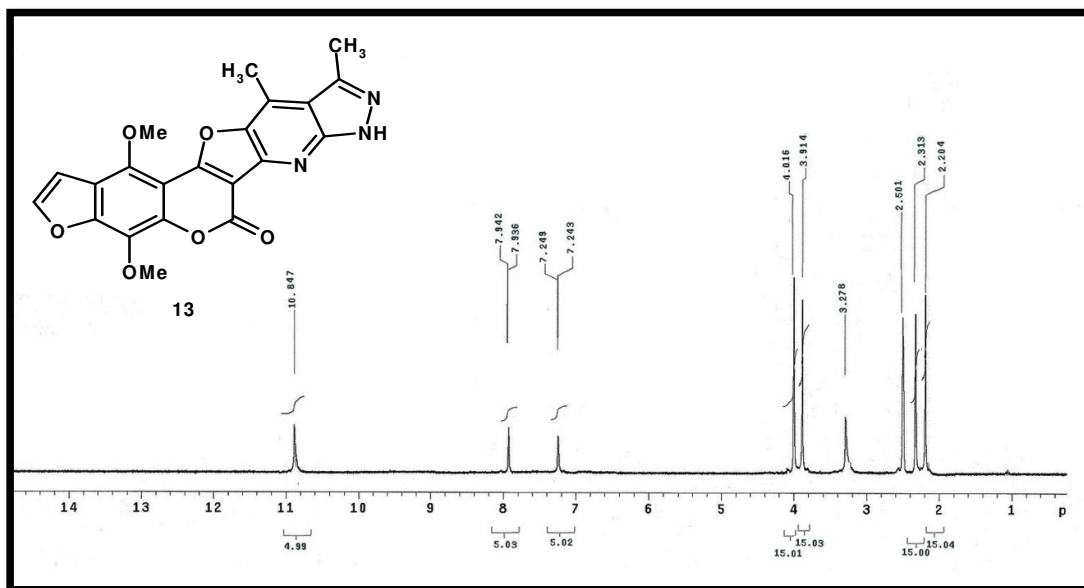


Figure S39 (DMSO-*d*₆, 400 MHz): ¹H NMR Spectrum of compound 13

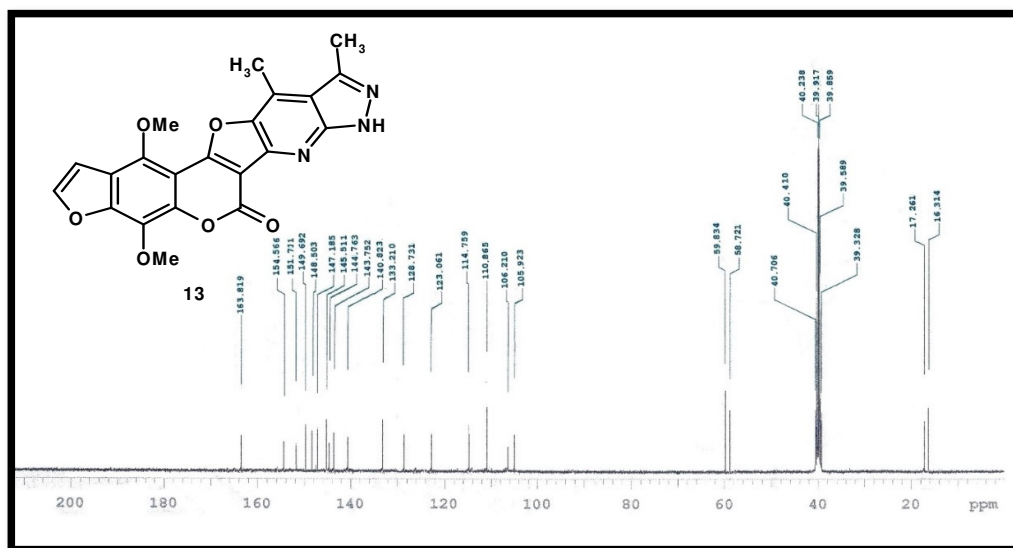


Figure S40 (DMSO-*d*₆, 100 MHz): ¹³C NMR Spectrum of compound 13

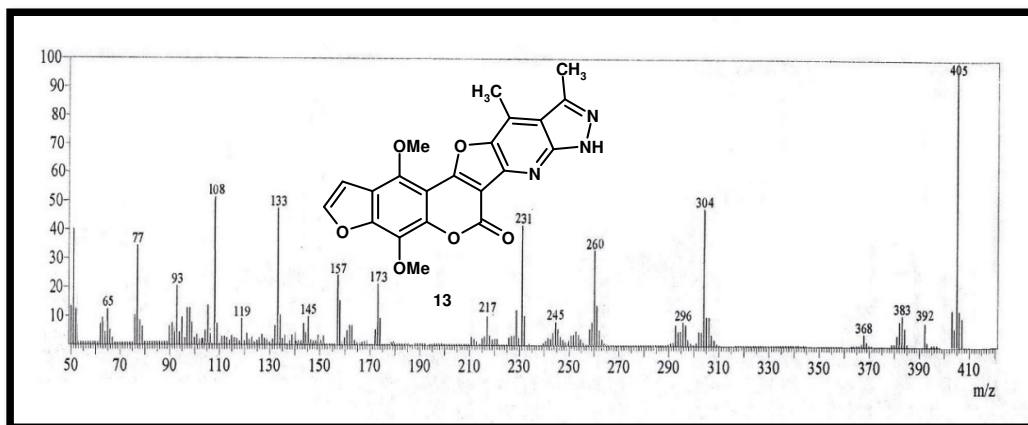


Figure S41: Mass Spectrum of compound 13

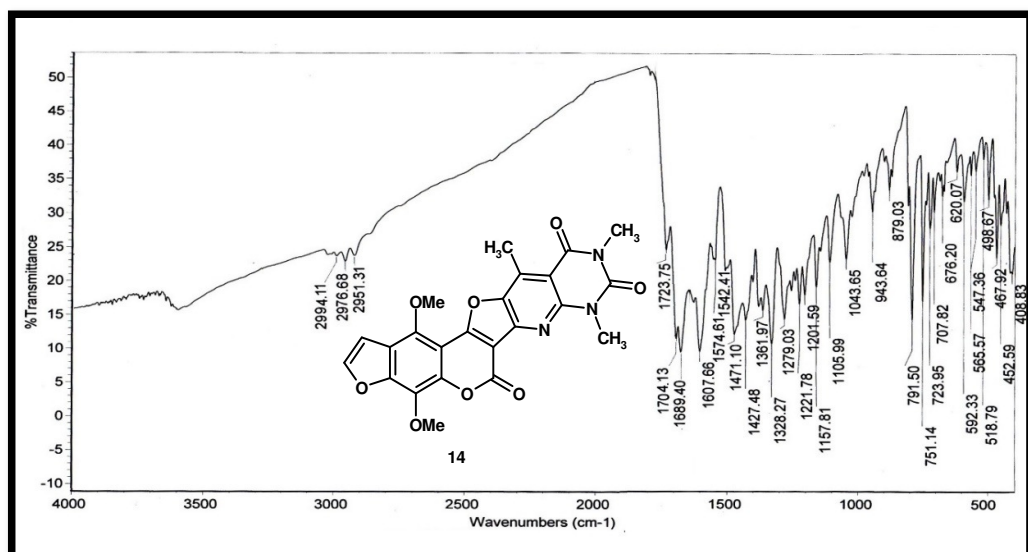


Figure S42: IR Spectrum of compound 14

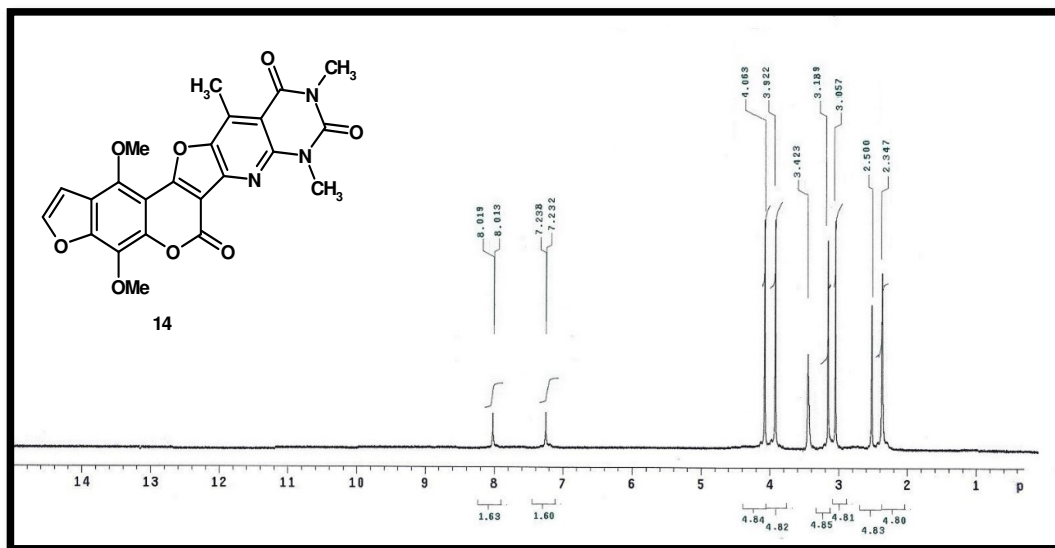


Figure S43 (DMSO-*d*₆, 400 MHz): ¹H NMR Spectrum of compound 14

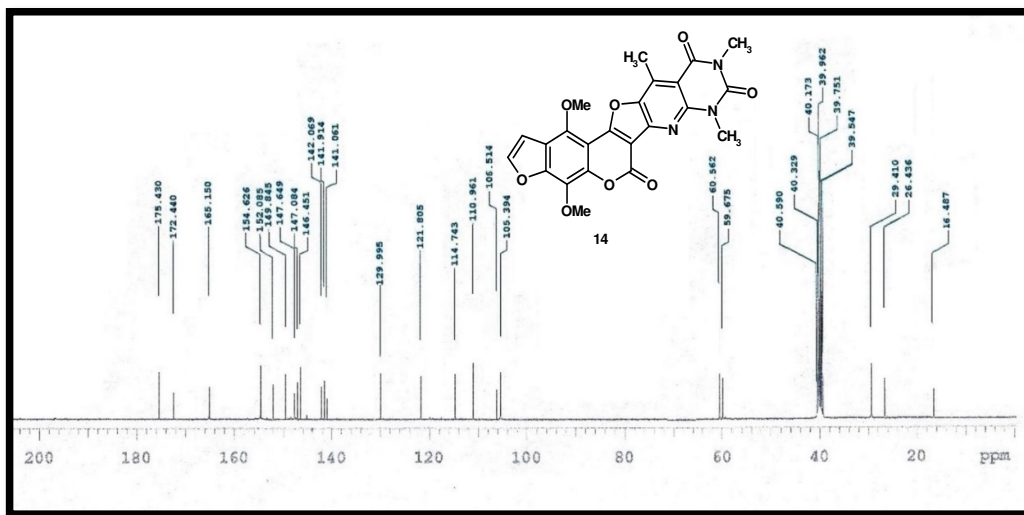


Figure S44 (DMSO-*d*₆, 100 MHz): ¹³C NMR Spectrum of compound 14

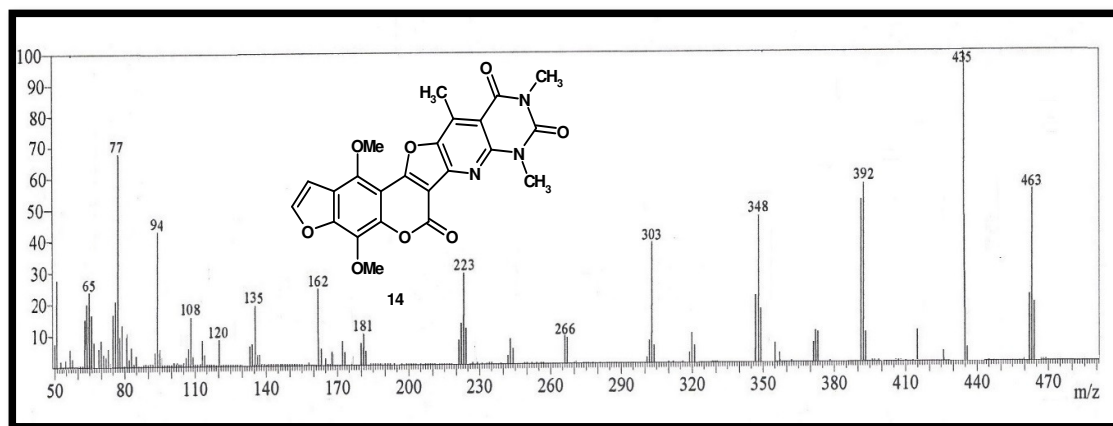


Figure S45: Mass Spectrum of compound 14