

Supplementary Material

Tetrabutylammonium tribromide: An effective green reagent for the one-pot reaction of 3-acetyl-2*H*-chromen-2-ones with o-phenylenediamines

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Table of Contents

1. Copies of ¹H-NMR spectra, ¹³C-NMR spectra, HRMS and IR spectra of compounds (Figure S1-S57) S2

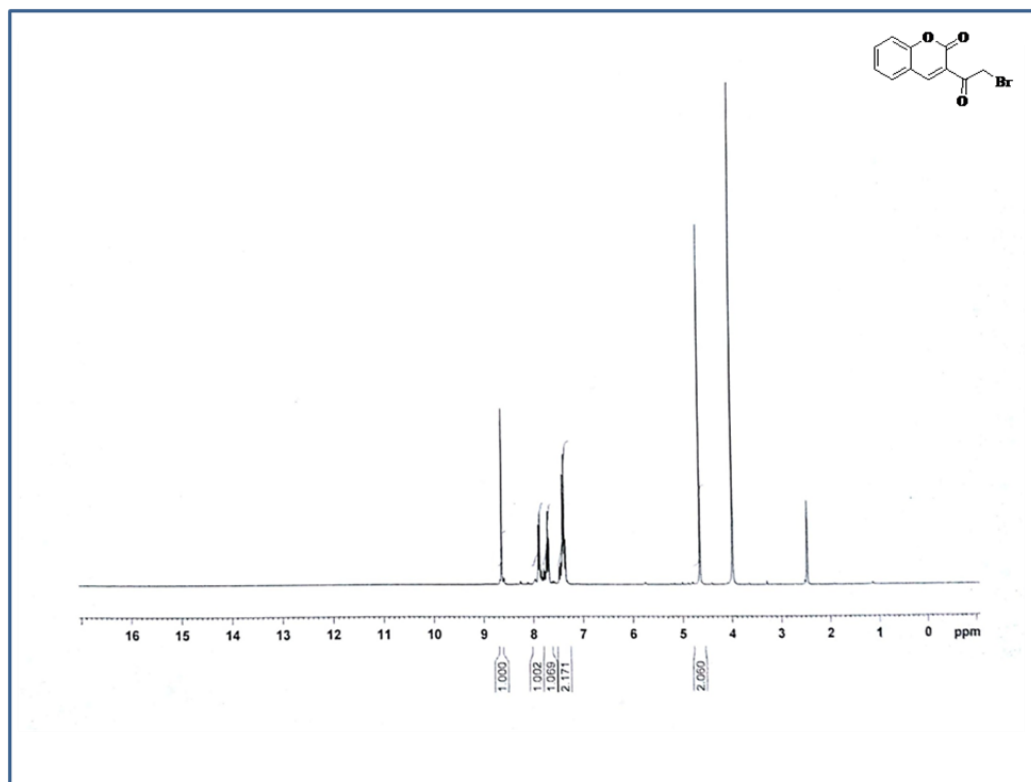


Figure S1: ¹H-NMR Spectrum of Compound 2a

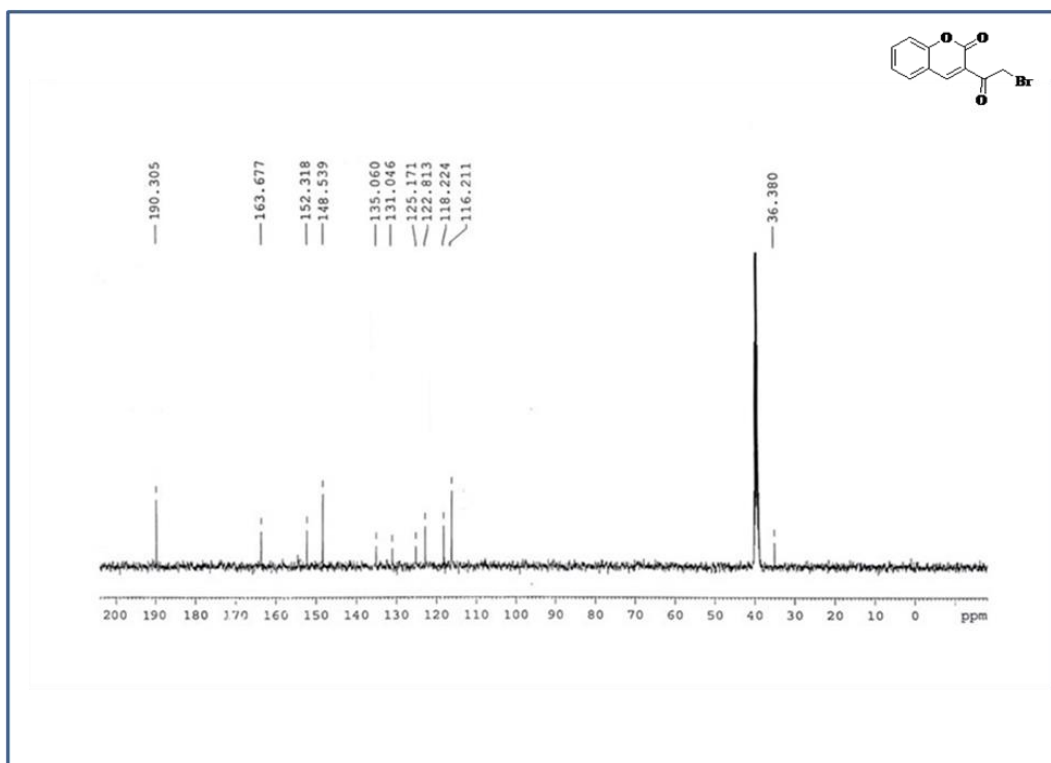


Figure S2: ¹³C-NMR Spectrum of Compound 2a

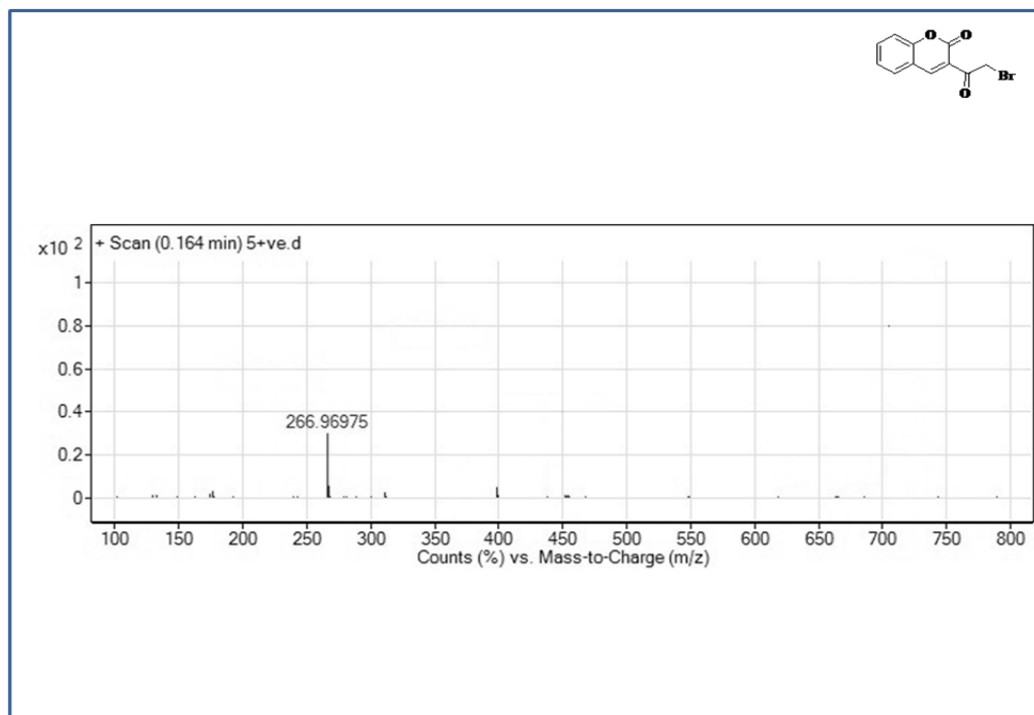


Figure S3: HRMS of Compound 2a

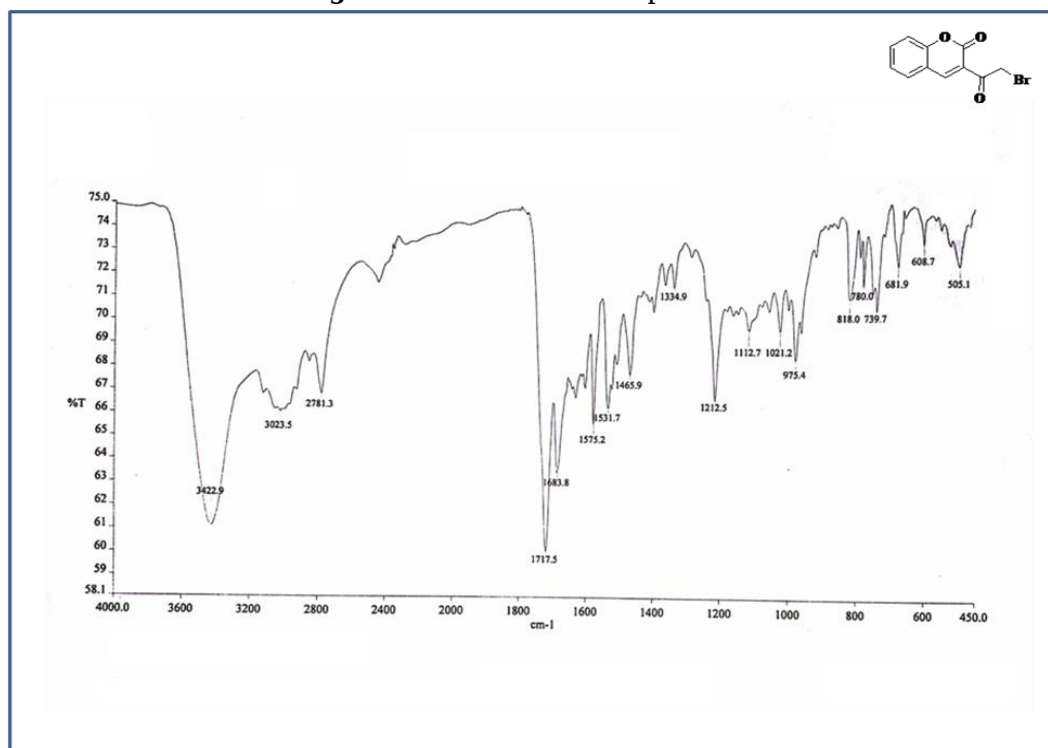


Figure S4: IR Spectrum of Compound 2a

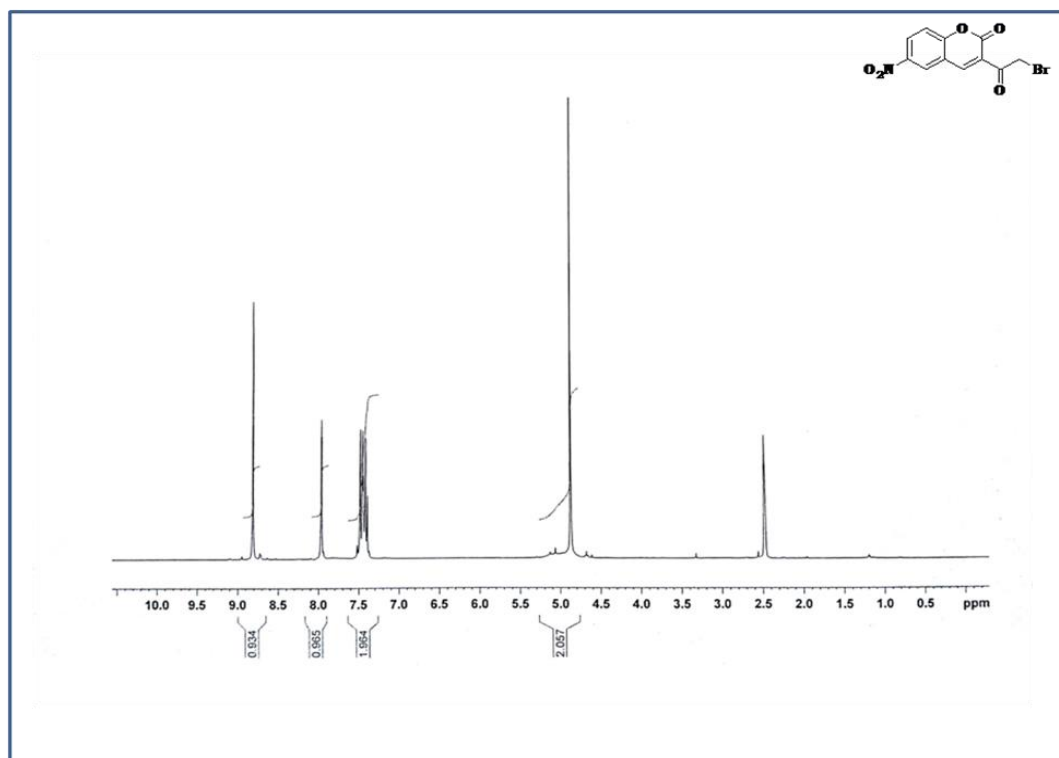


Figure S5: ¹H-NMR Spectrum of Compound 2b

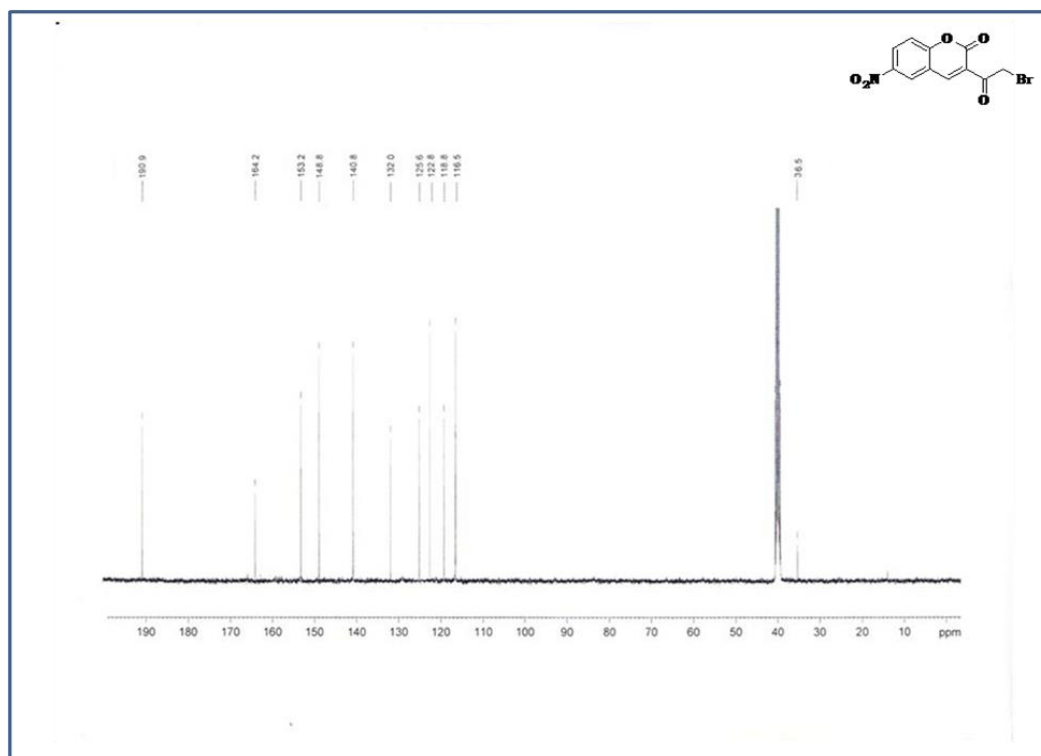


Figure S6: ¹³C-NMR Spectrum of Compound 2b

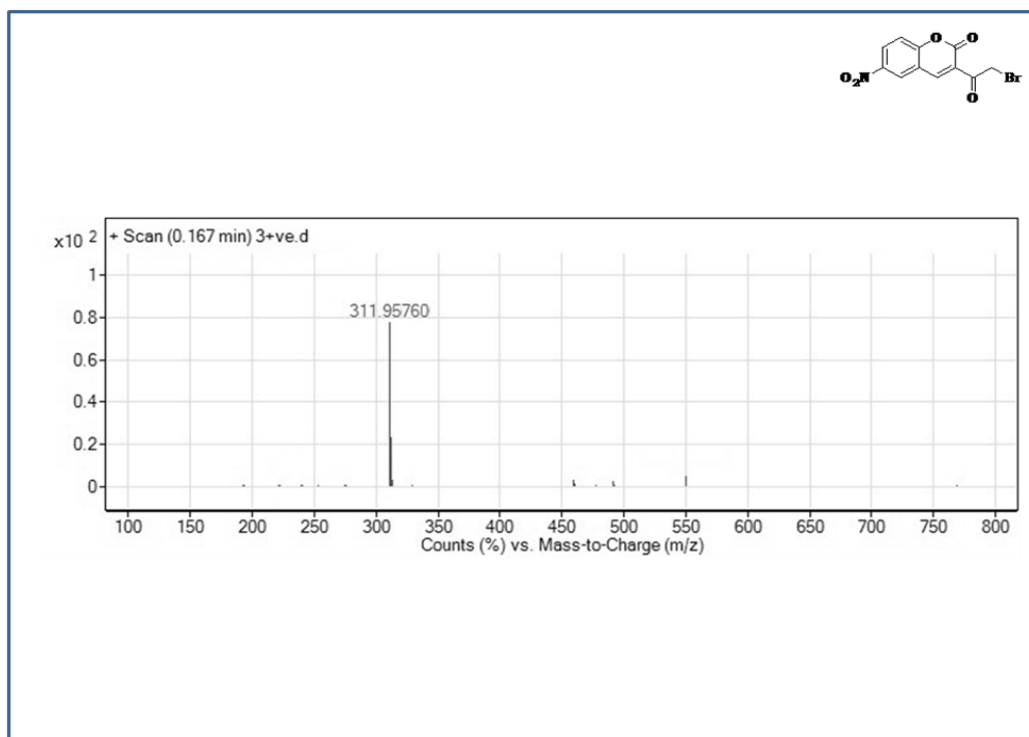


Figure S7: HRMS of Compound 2b

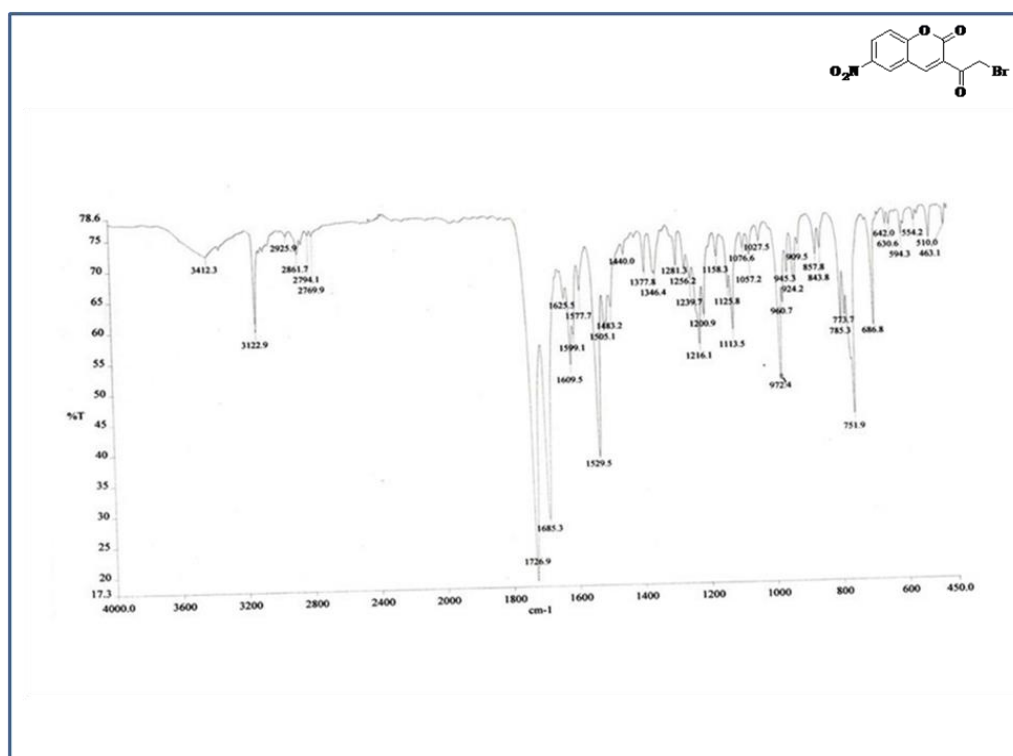


Figure S8: IR Spectrum of Compound 2b



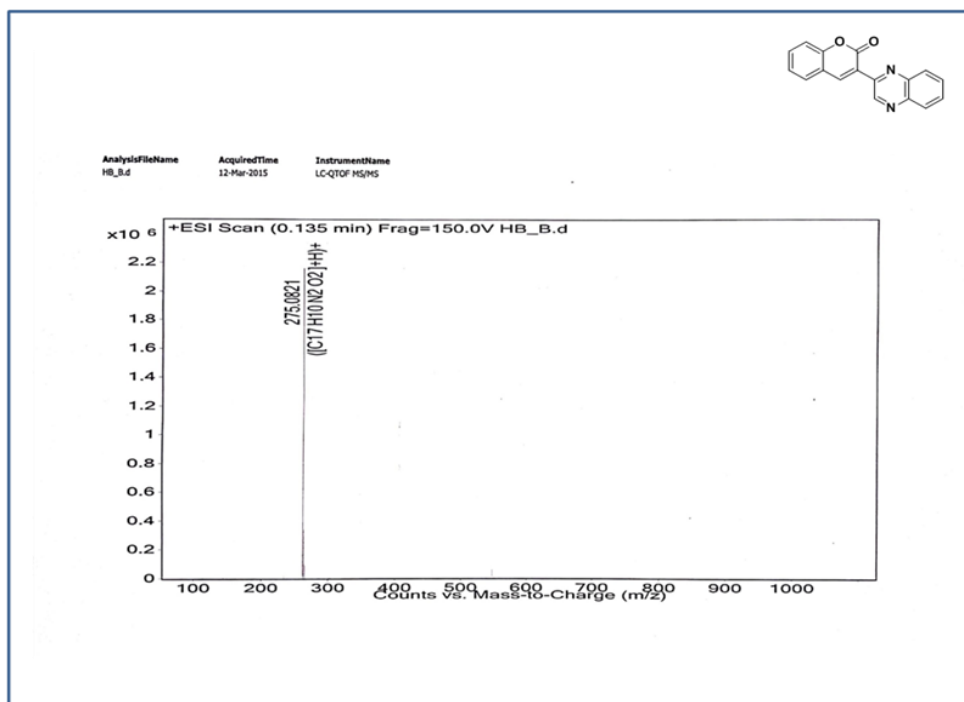


Figure S11: HRMS of Compound 4a

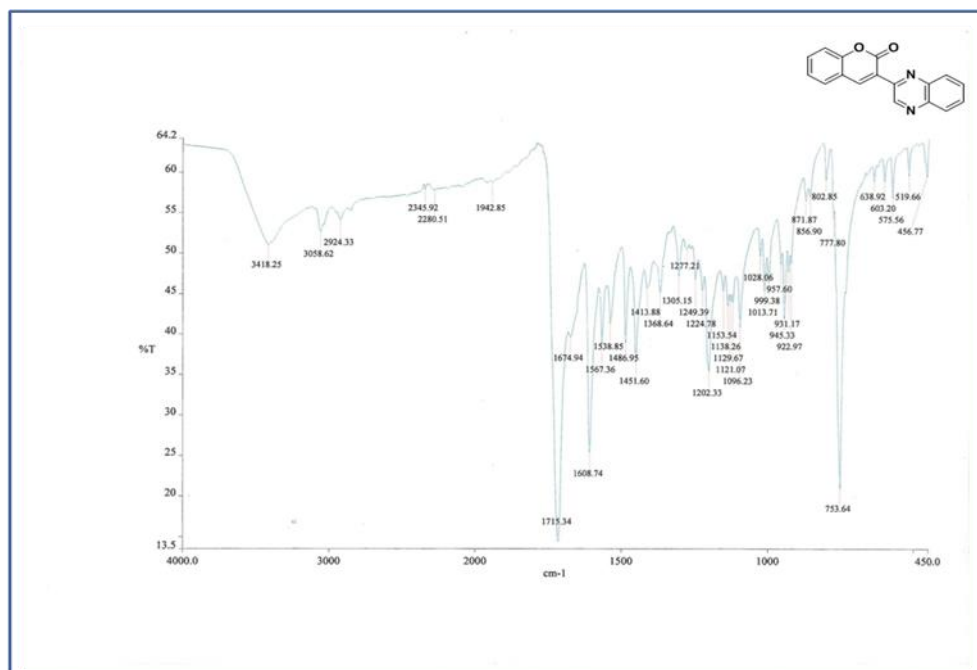


Figure S12: IR spectrum of Compound 4a

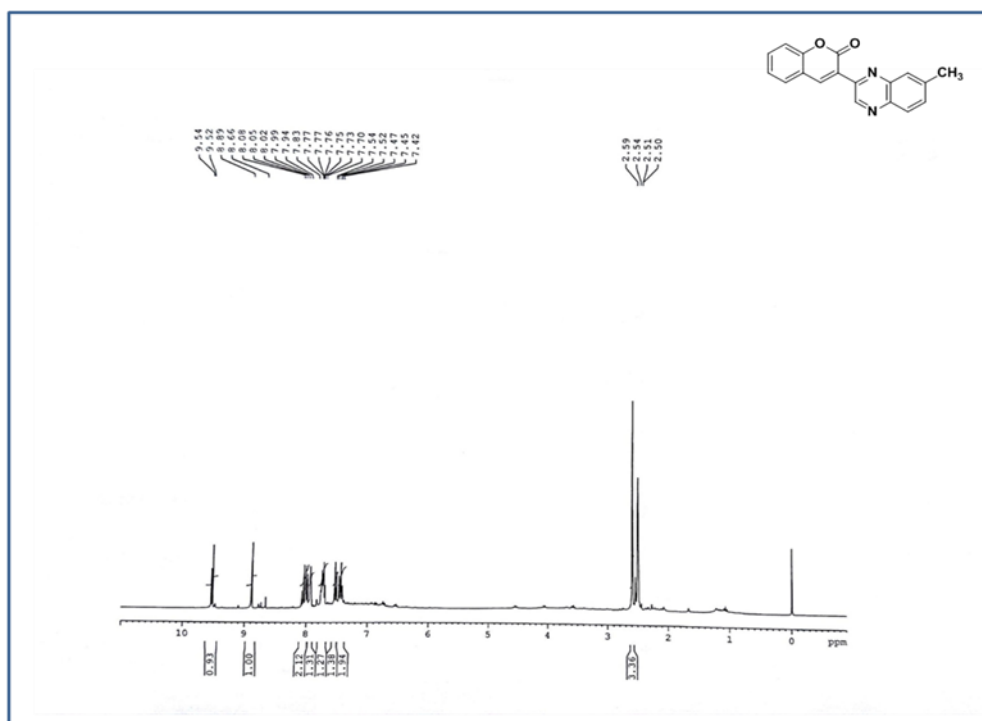


Figure S13: ¹H-NMR Spectrum of Compound 4b

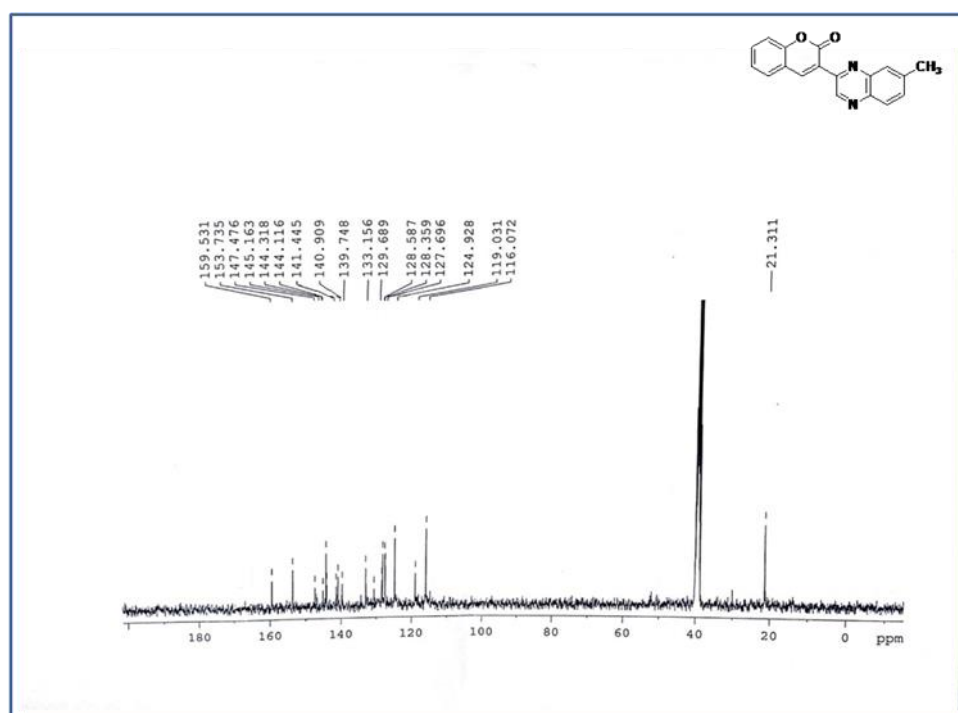


Figure S14: ¹³C-NMR Spectrum of Compound 4b

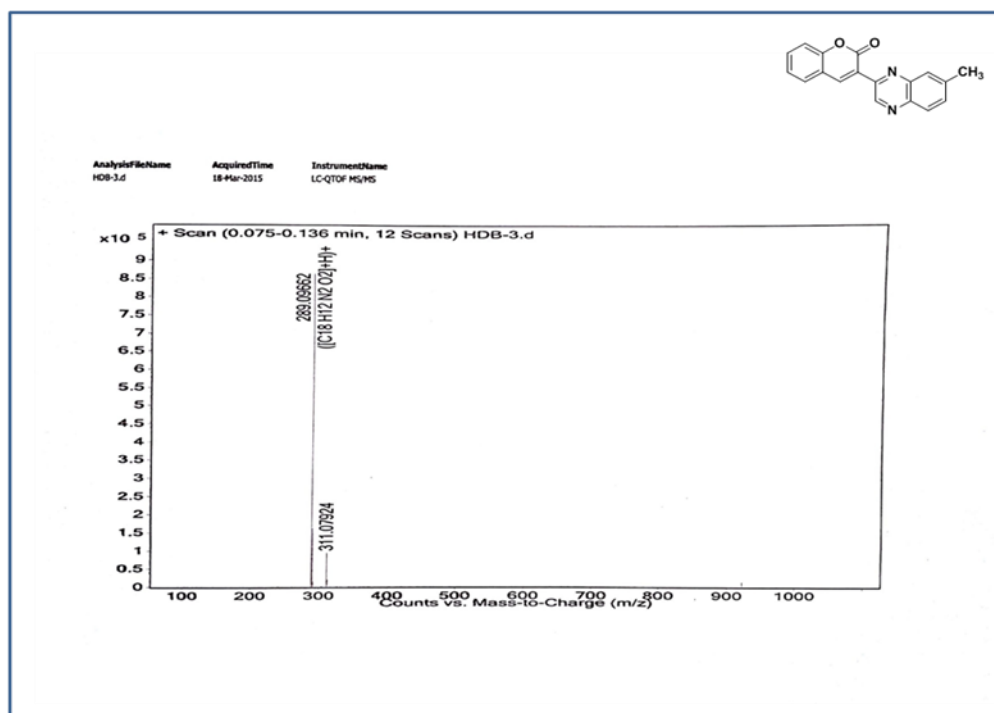


Figure S15: HRMS of Compound 4b

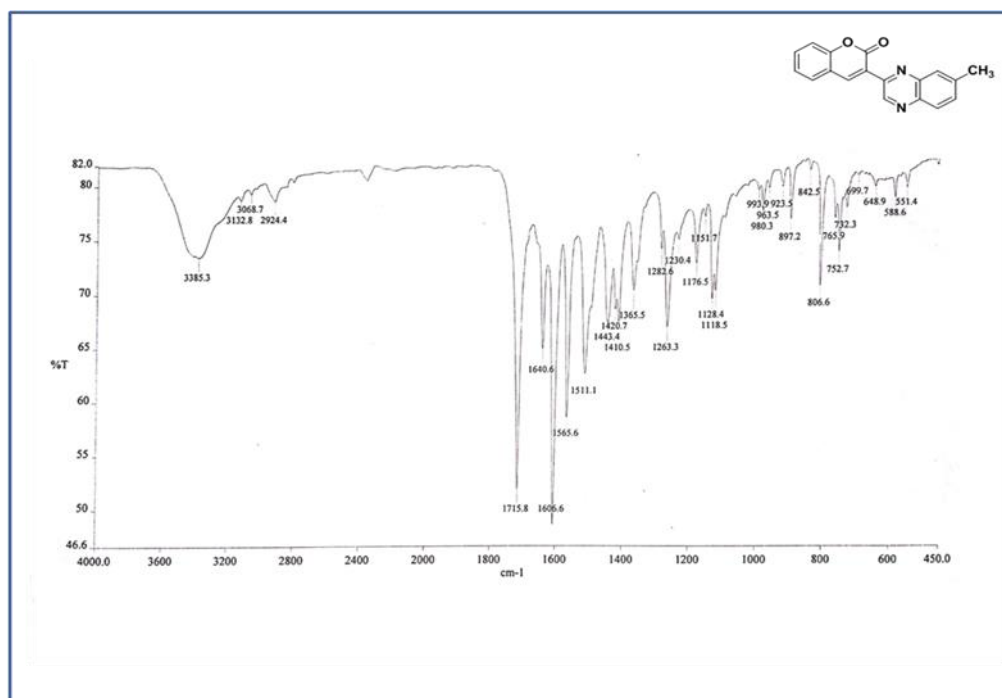


Figure S16: IR Spectrum of Compound 4b

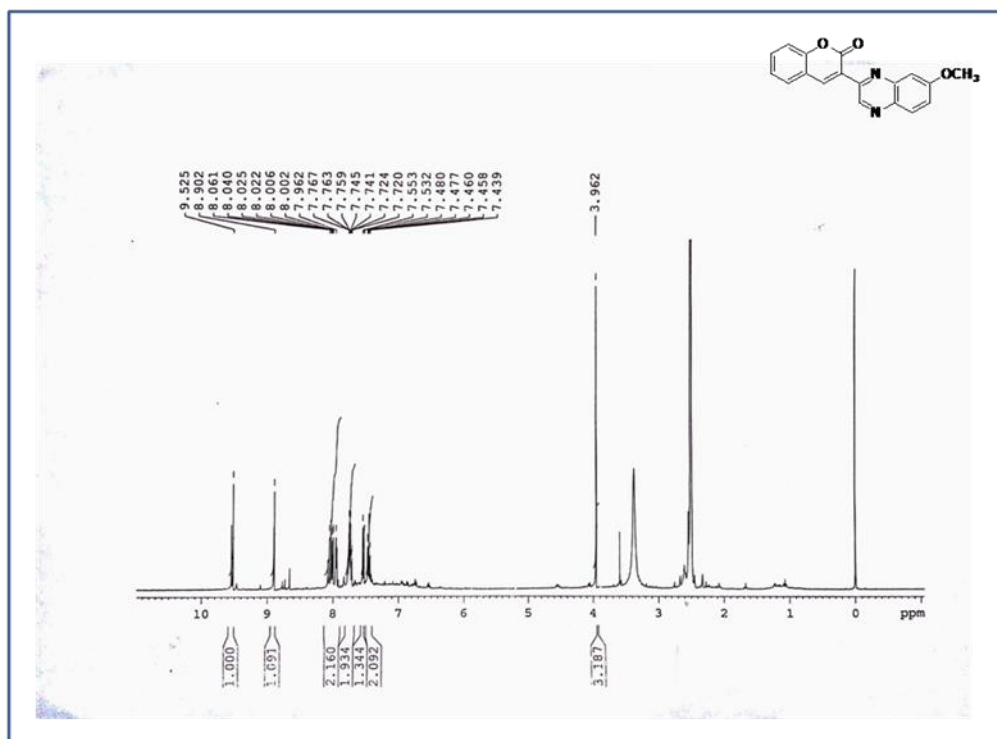


Figure S17: ¹H-NMR Spectrum of Compound **4c**

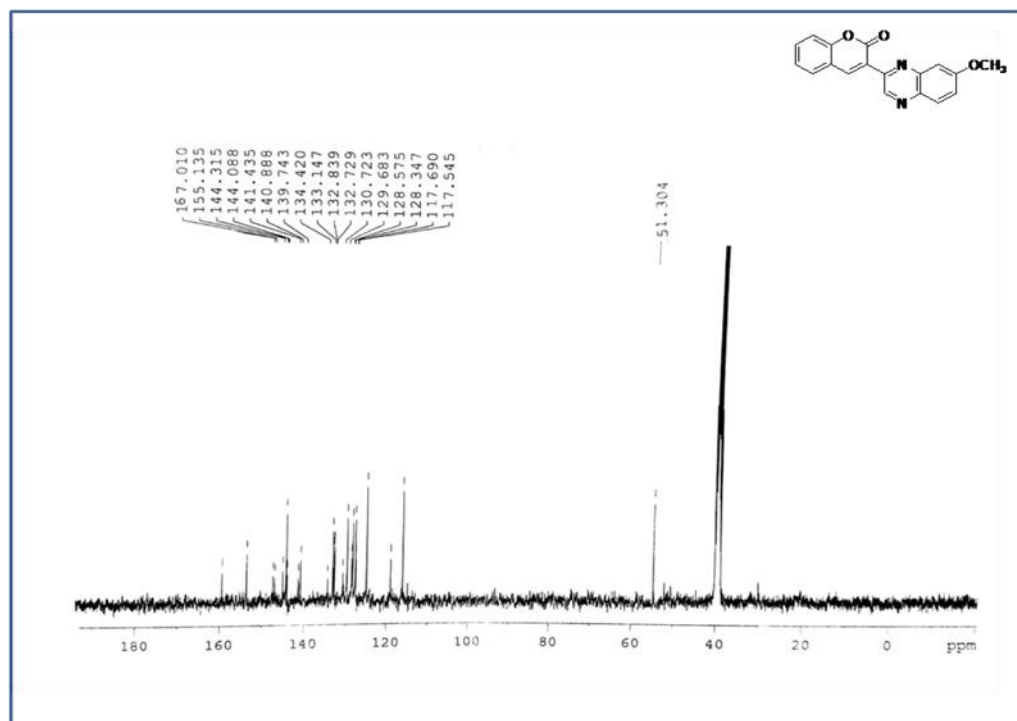


Figure S18: ¹³C-NMR Spectrum of Compound **4c**

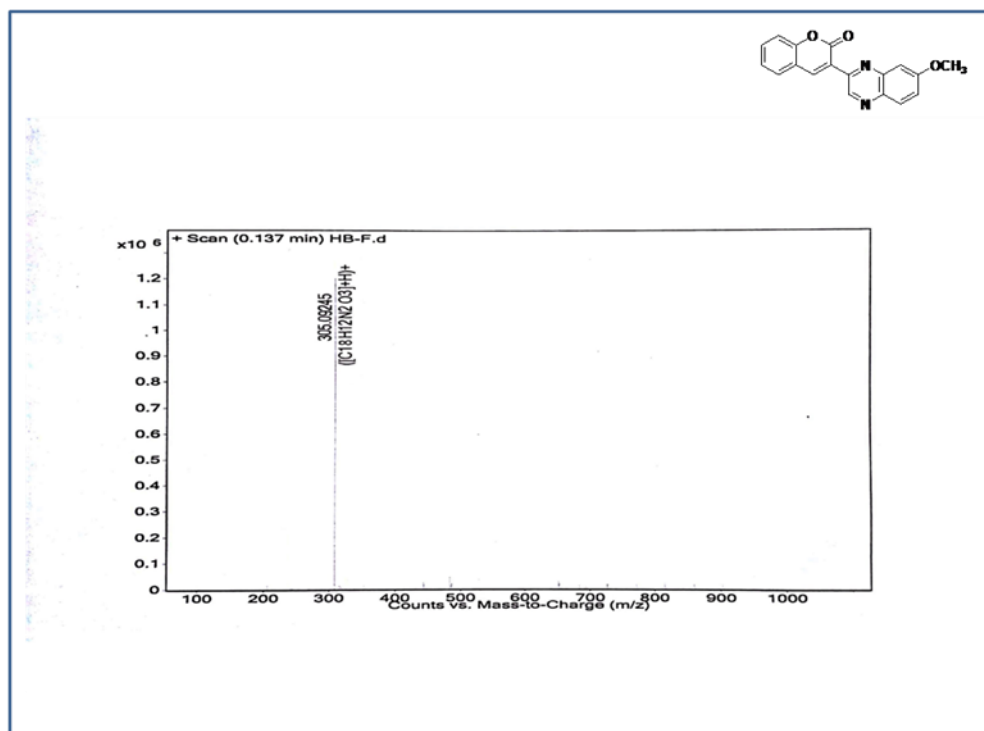


Figure S19: HRMS of Compound 4c

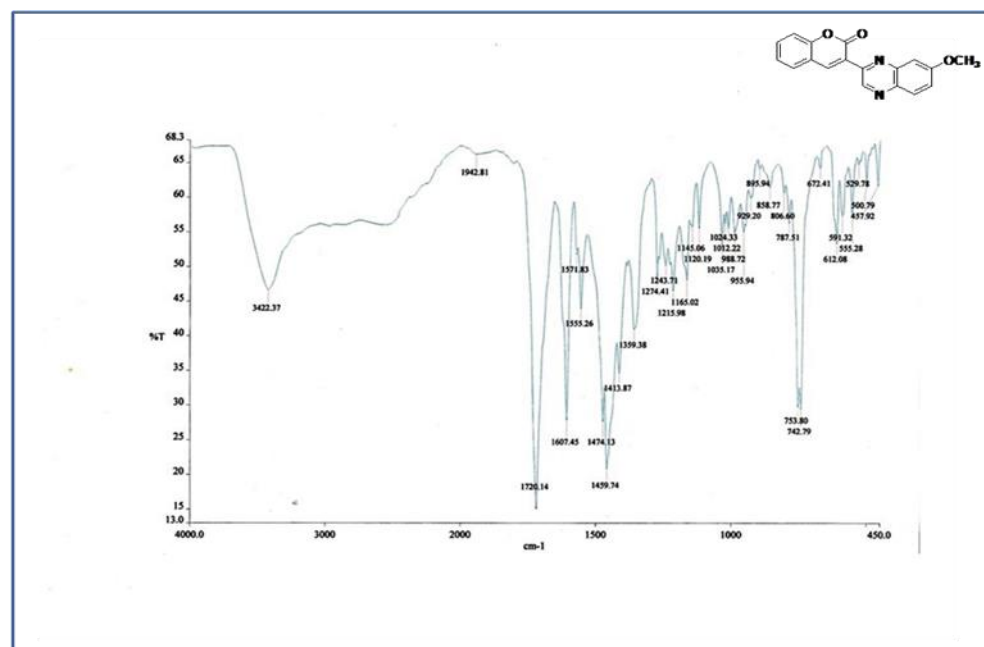


Figure S20: IR Spectrum of Compound 4c

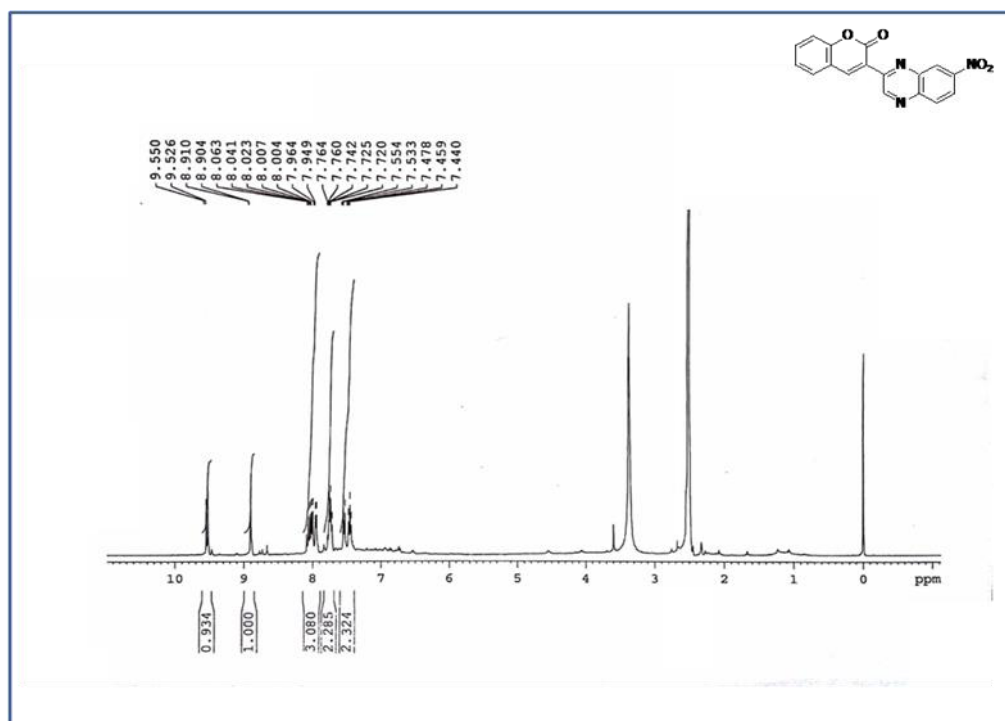


Figure S21: ¹H-NMR Spectrum of Compound 4d

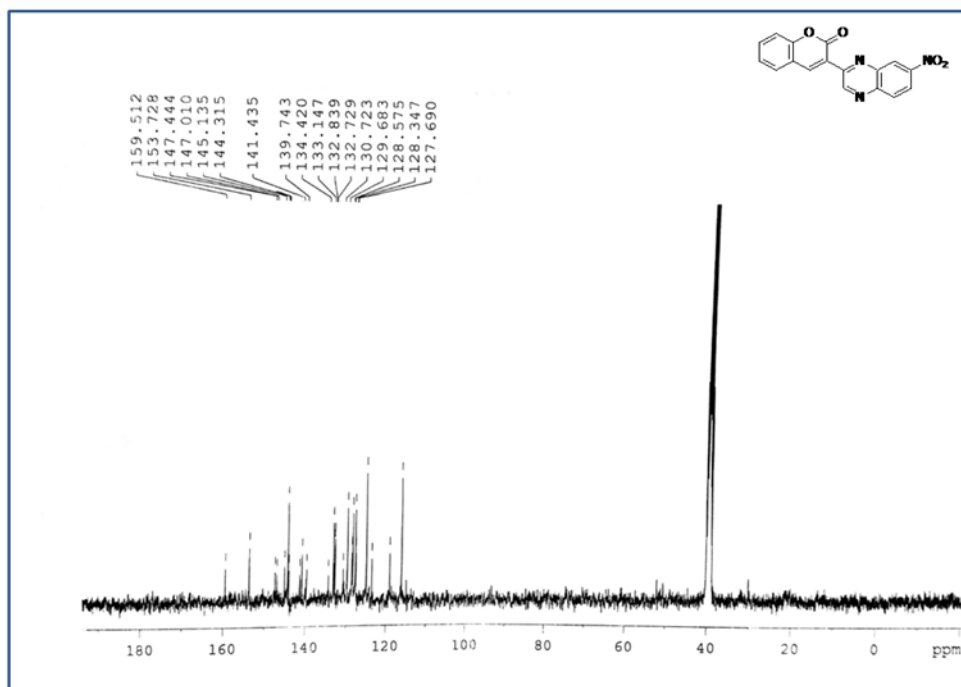


Figure S22: ¹³C-NMR Spectrum of Compound 4d

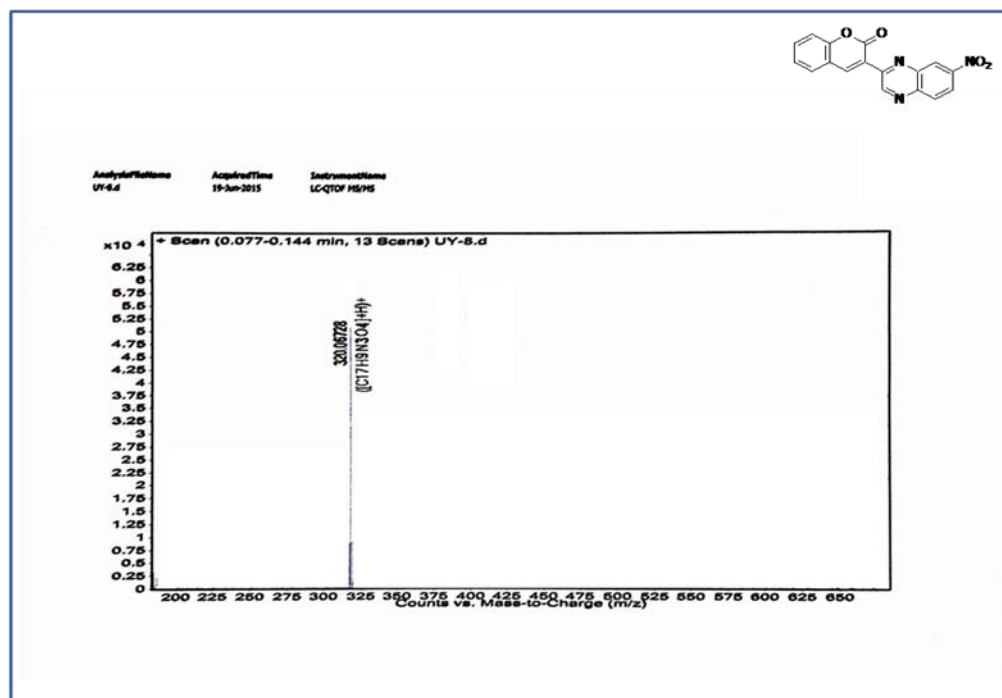


Figure S23: HRMS of Compound 4d

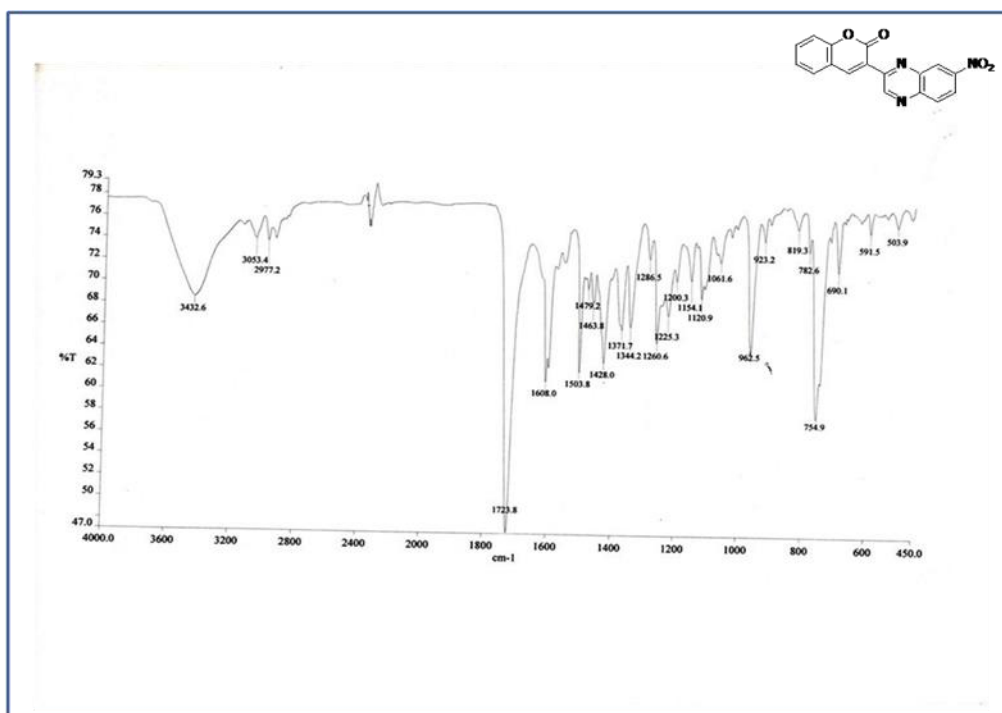


Figure S24: IR spectrum of Compound 4d

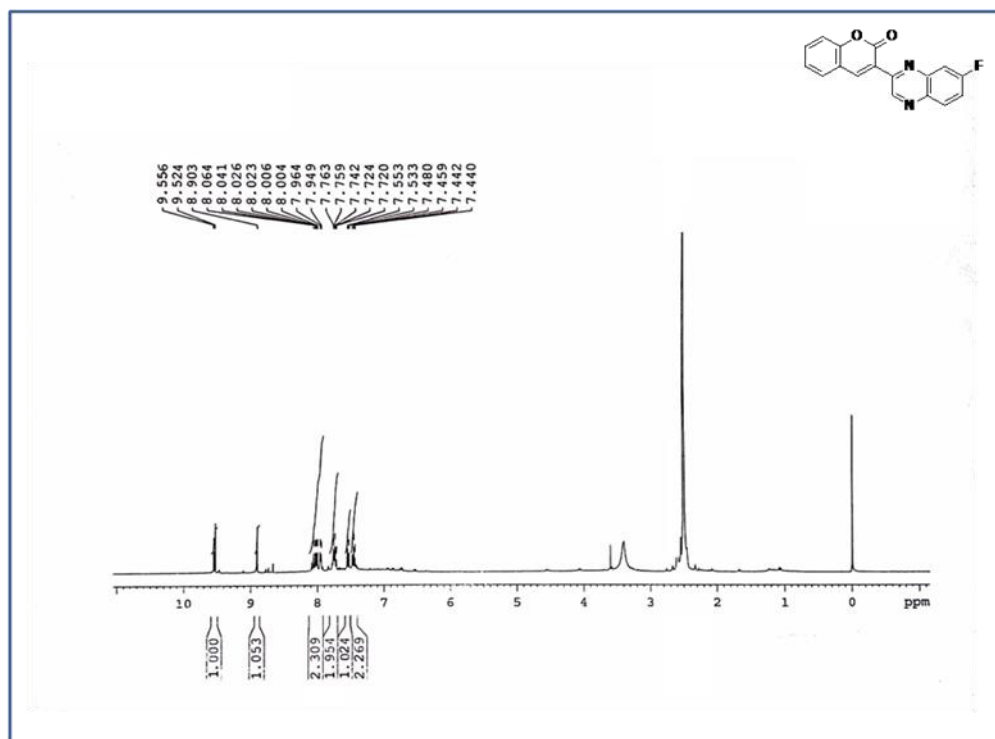


Figure S25: ¹H-NMR Spectrum of Compound **4e**

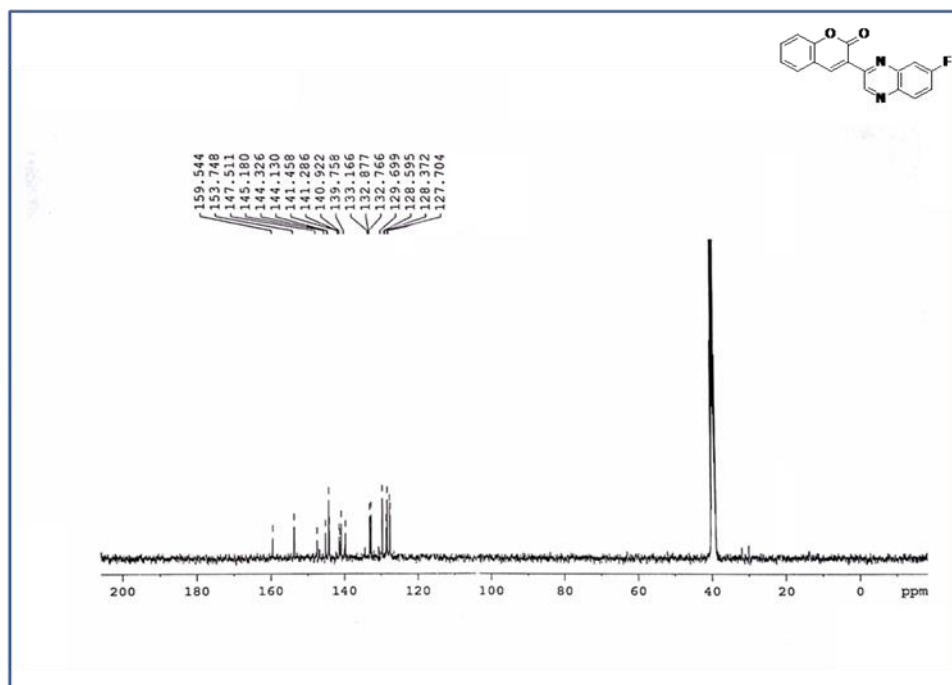


Figure S26: ¹³C-NMR Spectrum of Compound **4e**

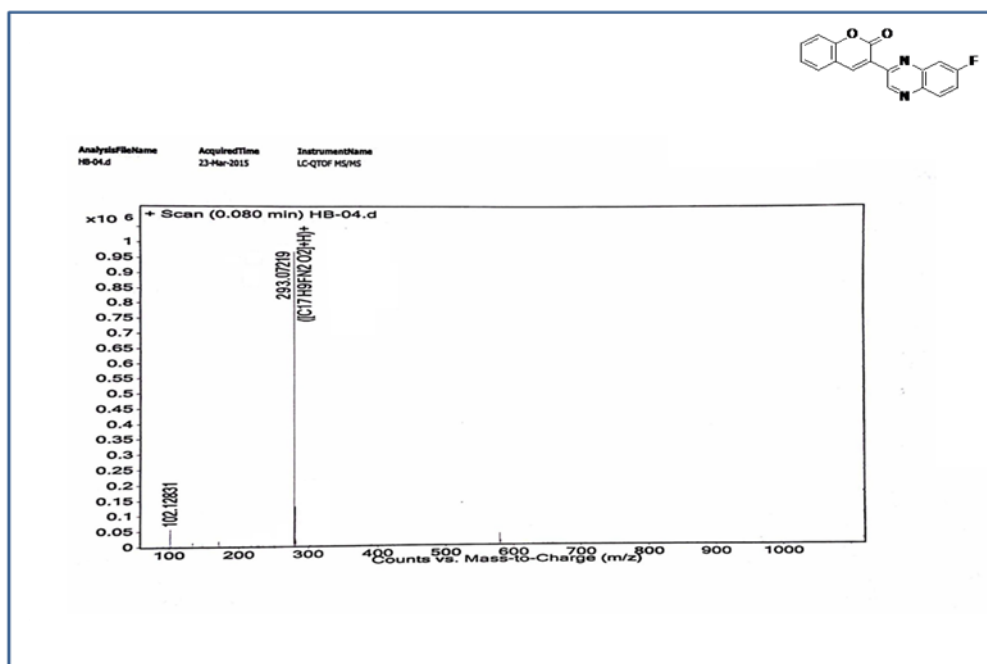


Figure S27: HRMS of Compound 4e

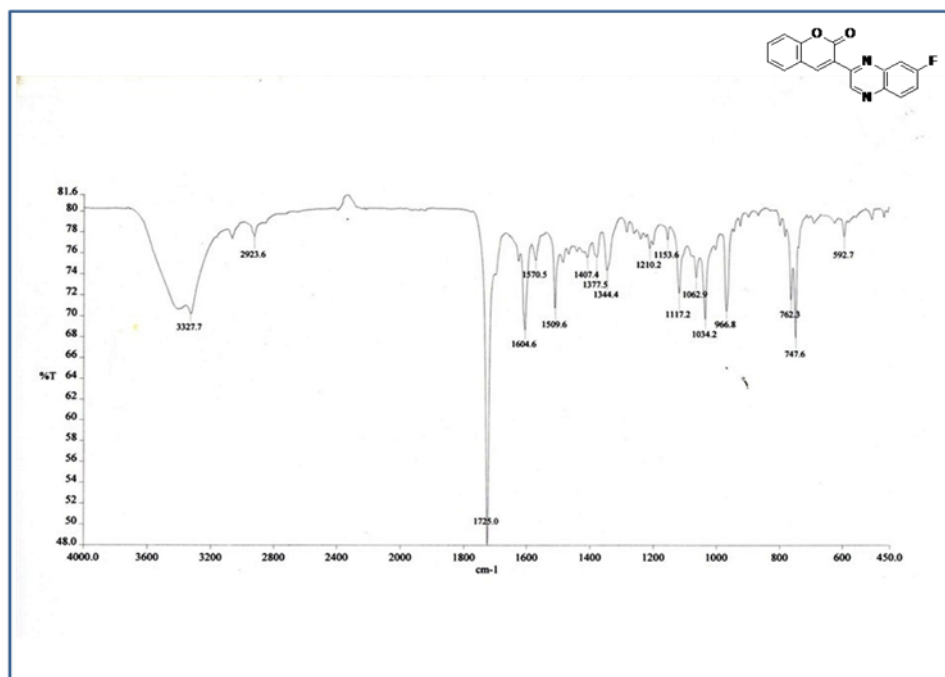


Figure S28: IR Spectrum of Compound 4e