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Design, Synthesis, and *In Vitro* Preliminary Cytotoxicity Evaluation of New Anthraquinone-2-Carboxylic Acid Derivatives

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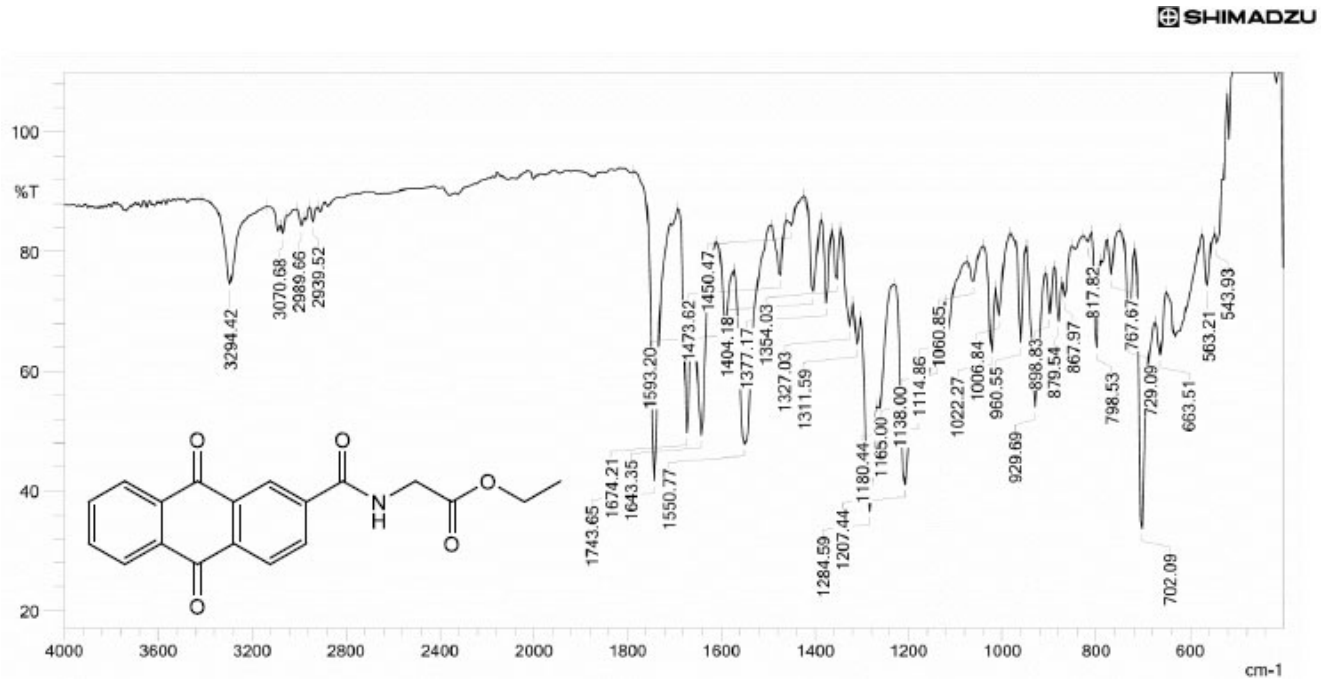

Fig. (S1). FT-IR spectrum of **1a**.

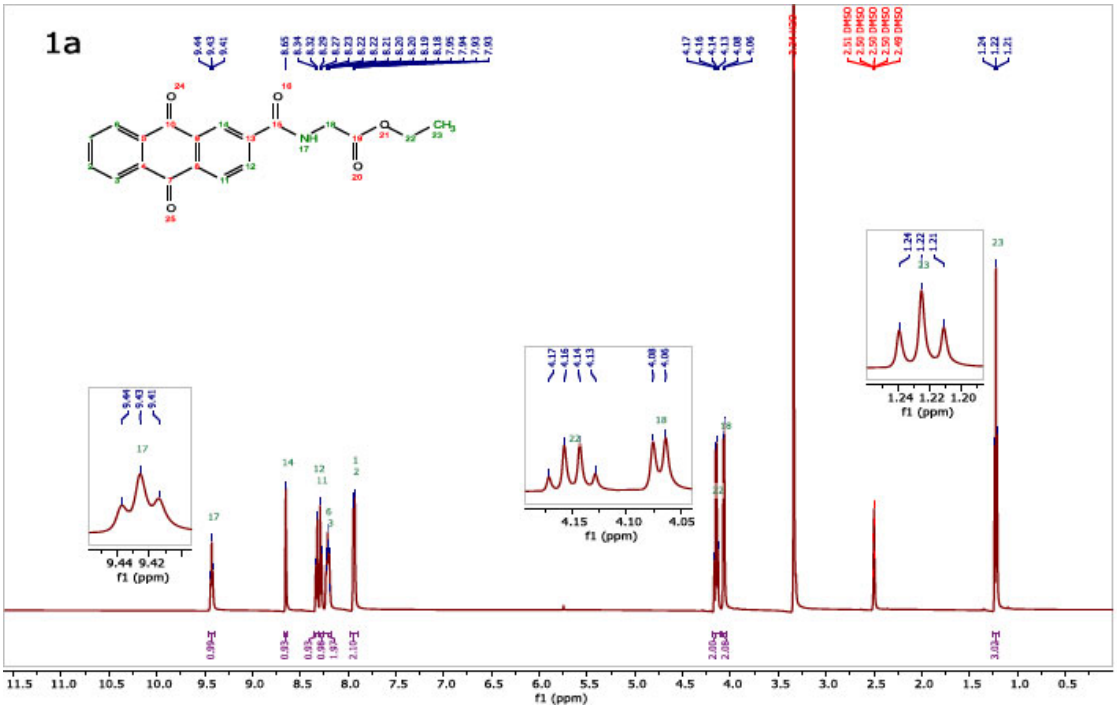

Fig. (S2). ^{1}H-NMR spectrum of **1a**.

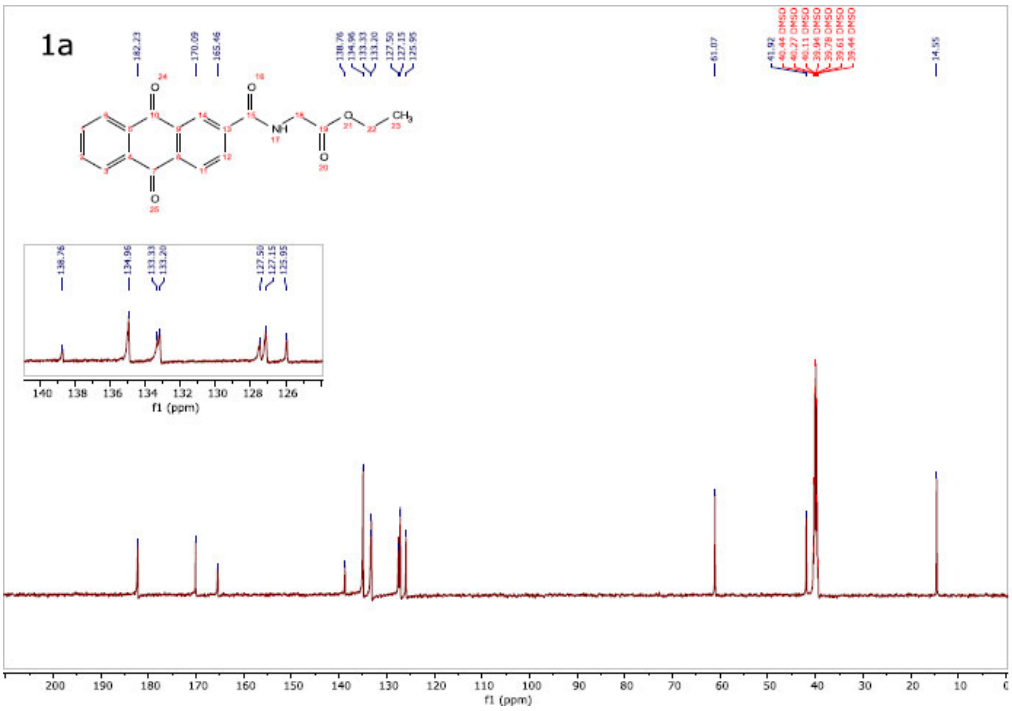

Fig. (S3). ^{13}C-NMR spectrum of **1a**.

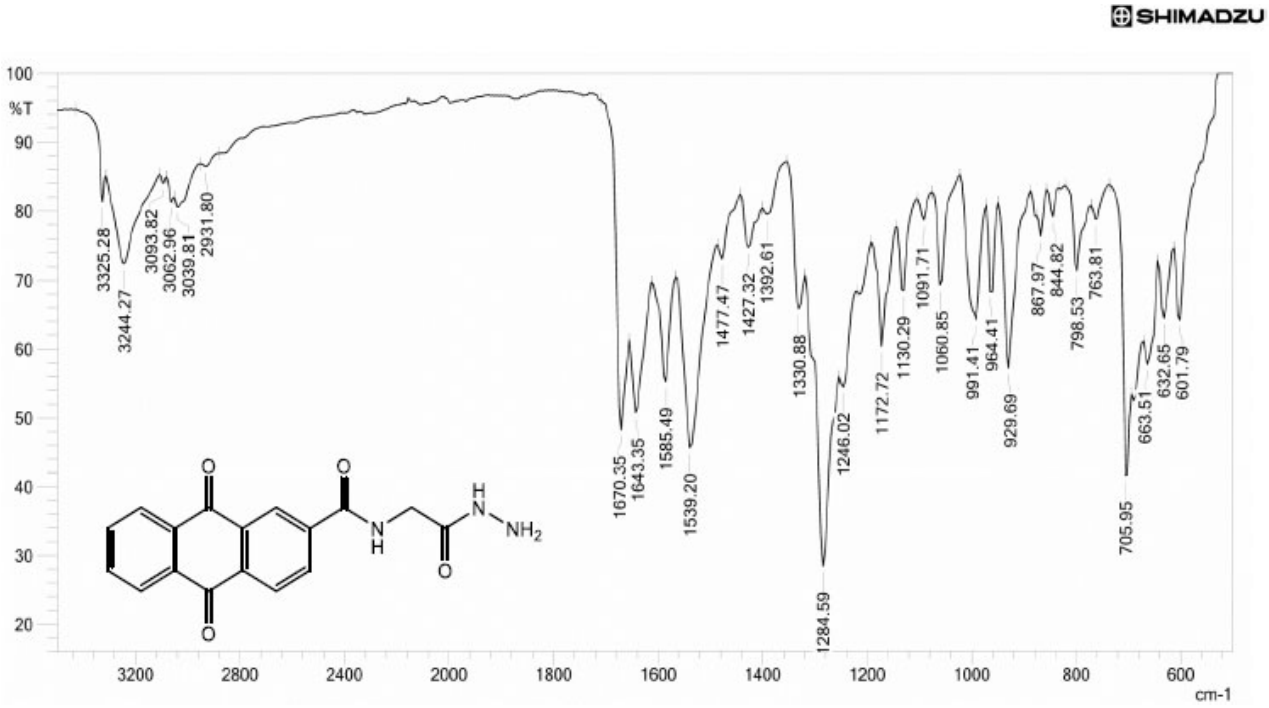

Fig. (S4). FT-IR spectrum of **2a**.

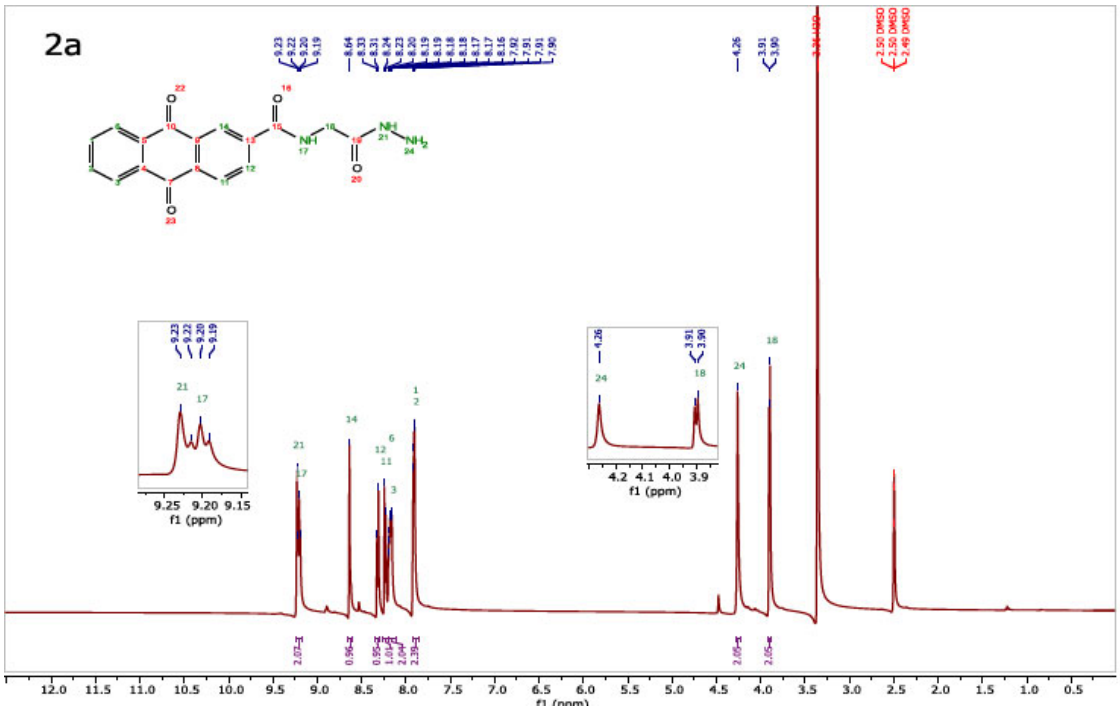

Fig. (S5). ^{1}H-NMR spectrum of compound **2a**.

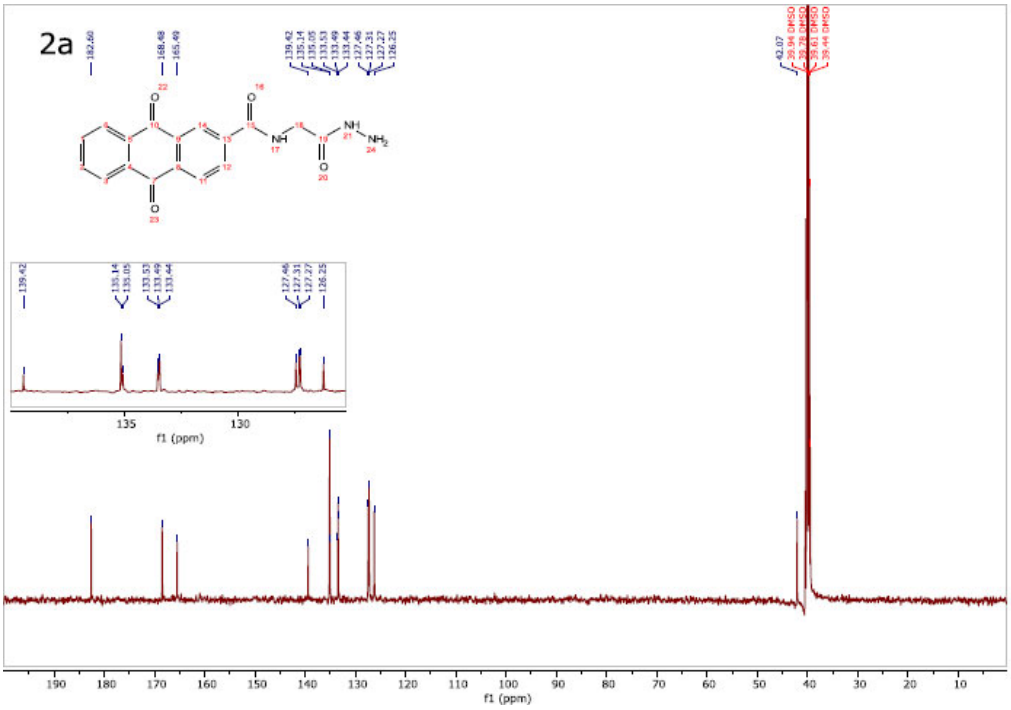

Fig. (S6). ^{13}C-NMR spectrum of **2a**.

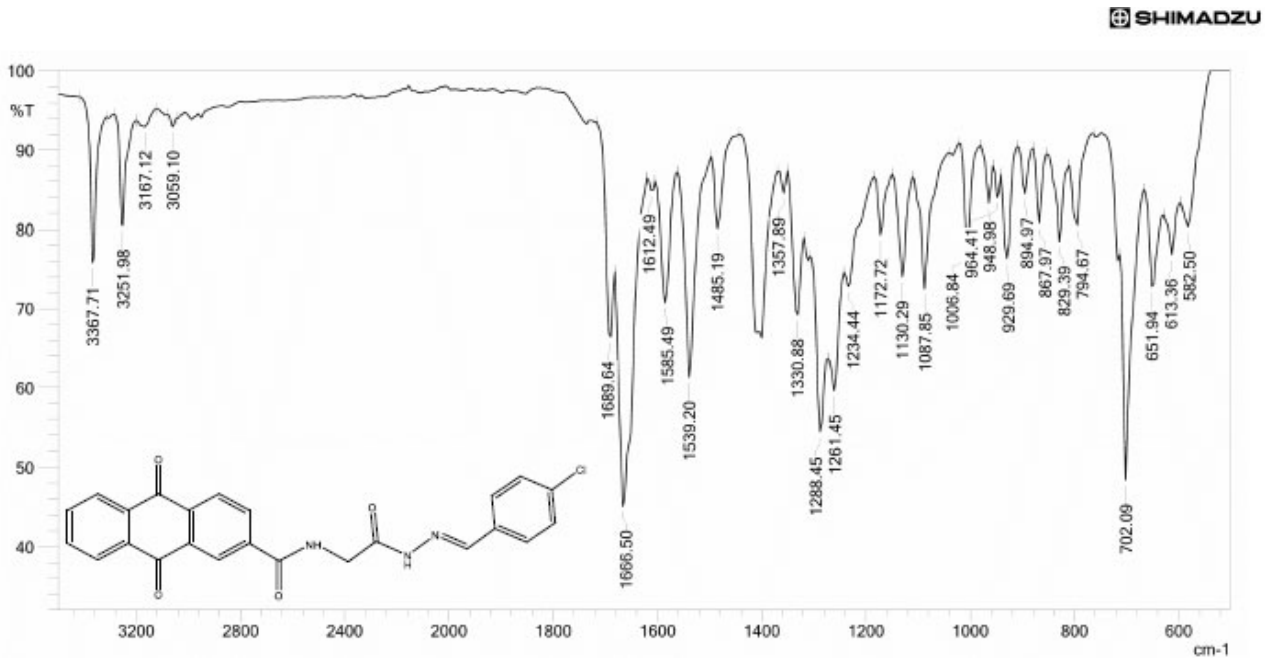

Fig. (S7). FT-IR spectrum of **3a**.

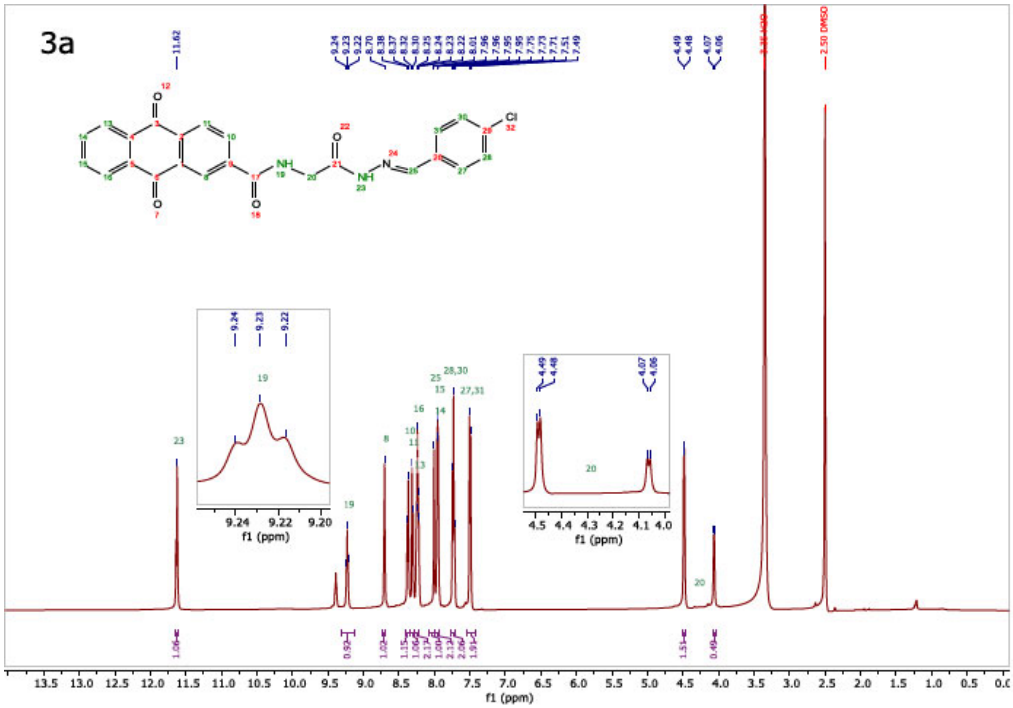

Fig. (S8). ^{1}H-NMR spectrum of **3a**.

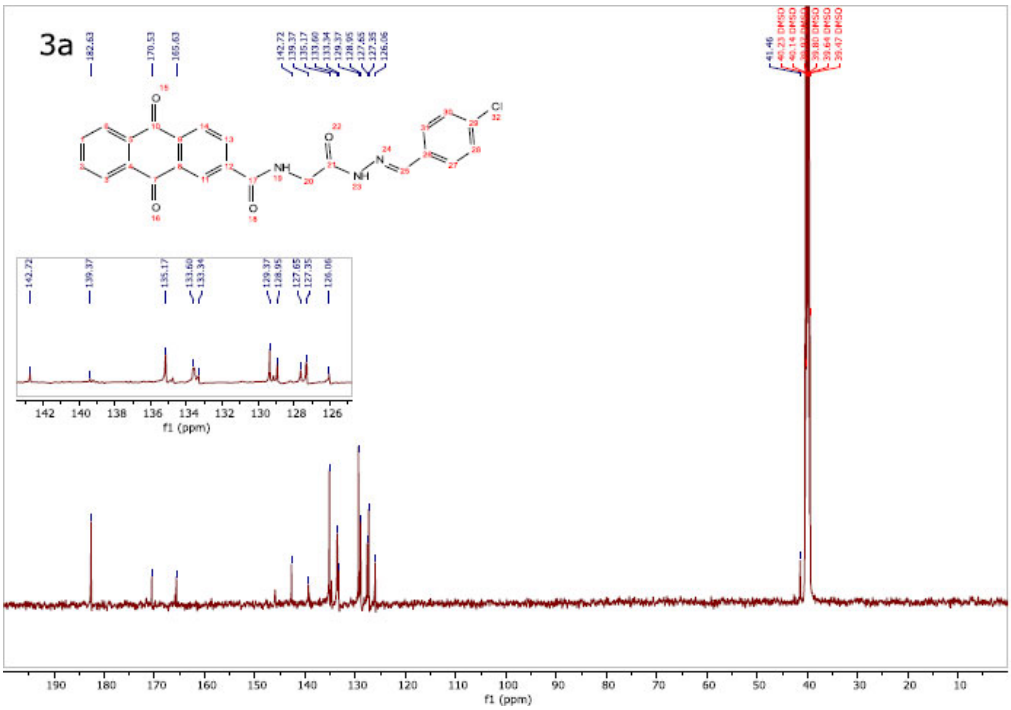

Fig. (S9). ^{13}C-NMR spectrum of **3a**.

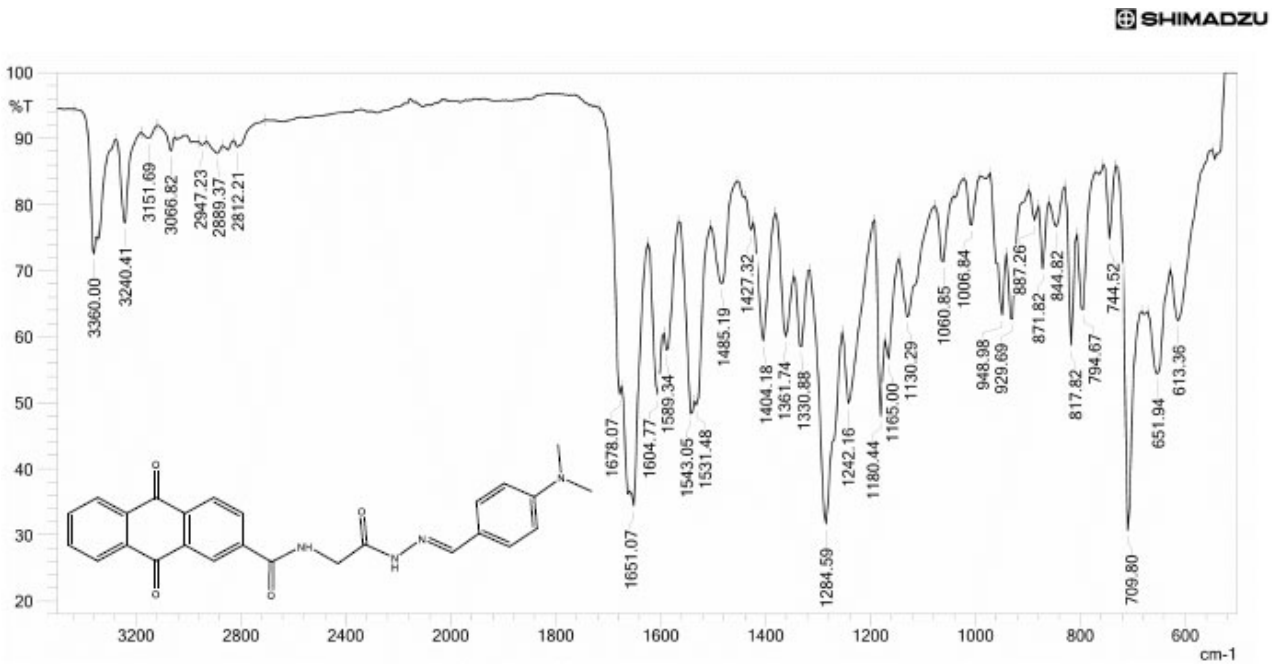

Fig. (S10). FT-IR spectrum of **3b**.

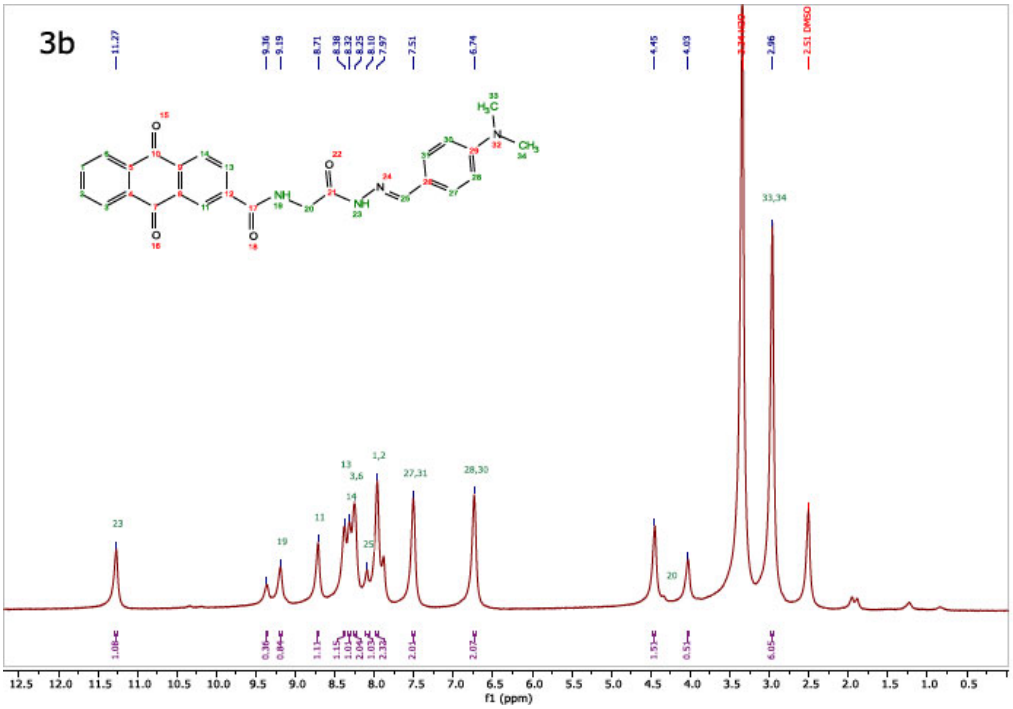

Fig. (S11). ^{1}H-NMR spectrum of **3b**.

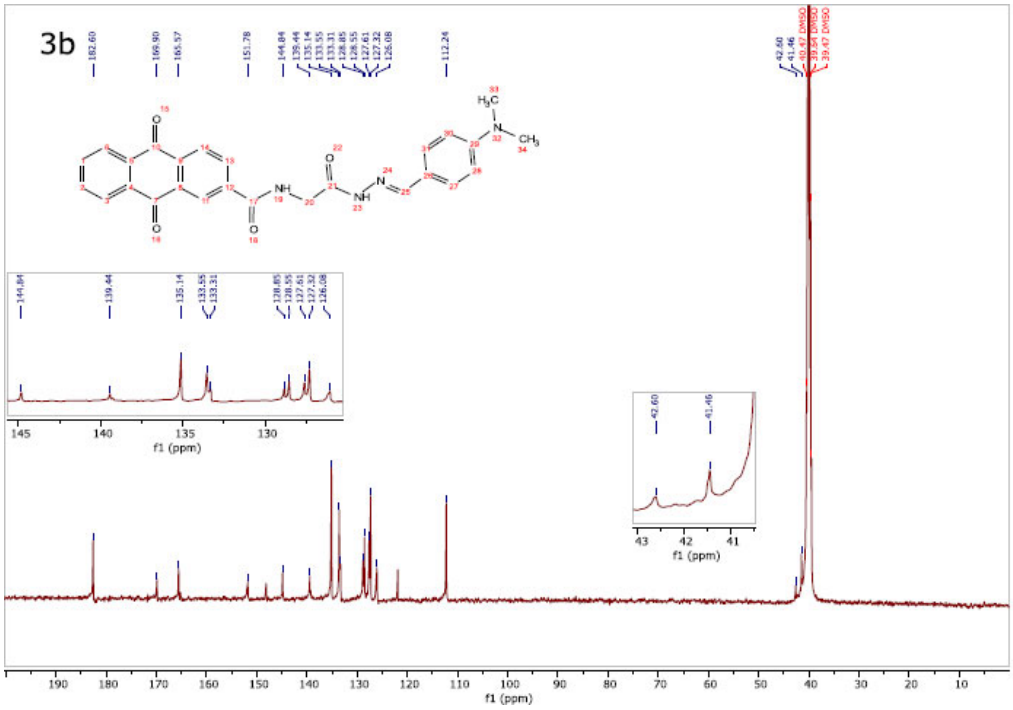

Fig. (S12). ^{13}C-NMR spectrum of **3b**.

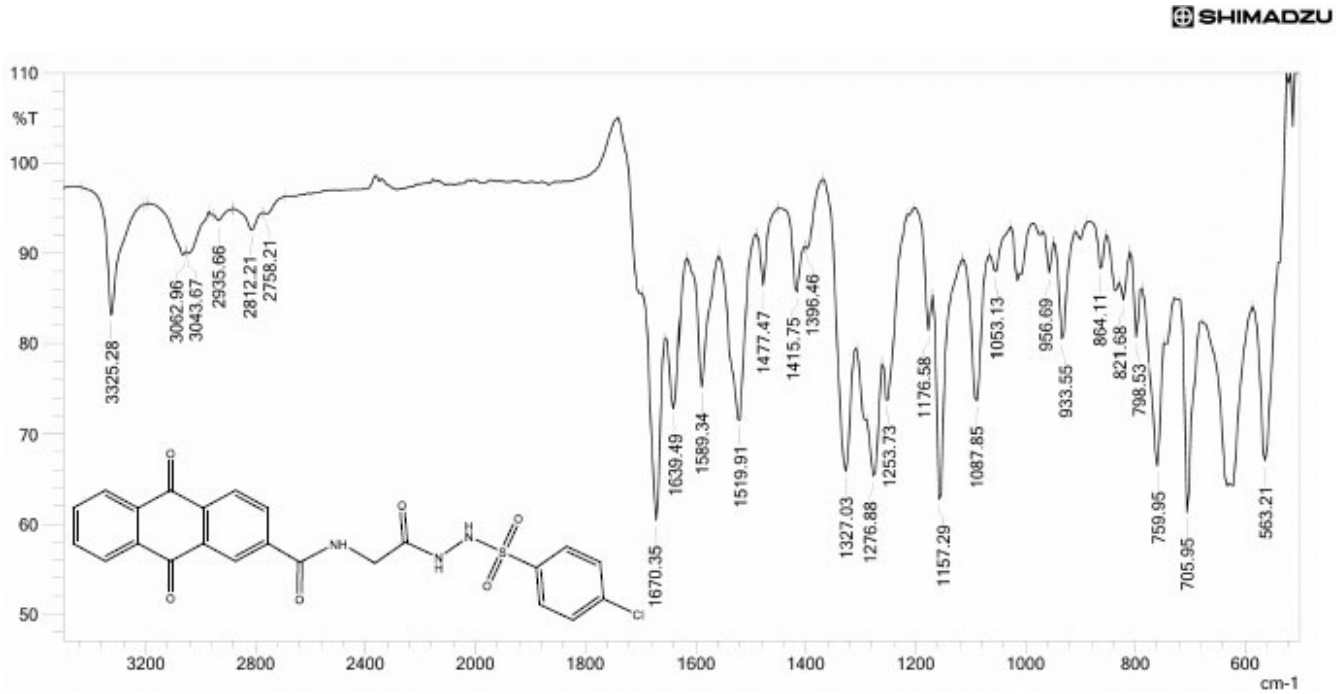

Fig. (S13). FT-IR spectrum of **4a**.

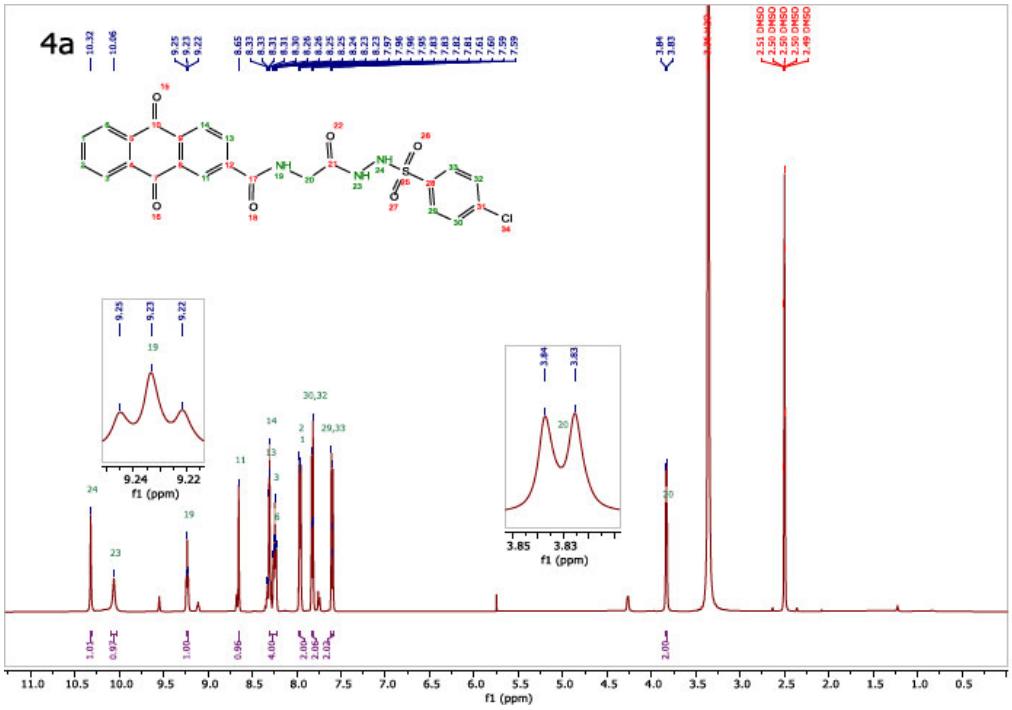

Fig. (S14). ^{1}H-NMR spectrum of **4a**.

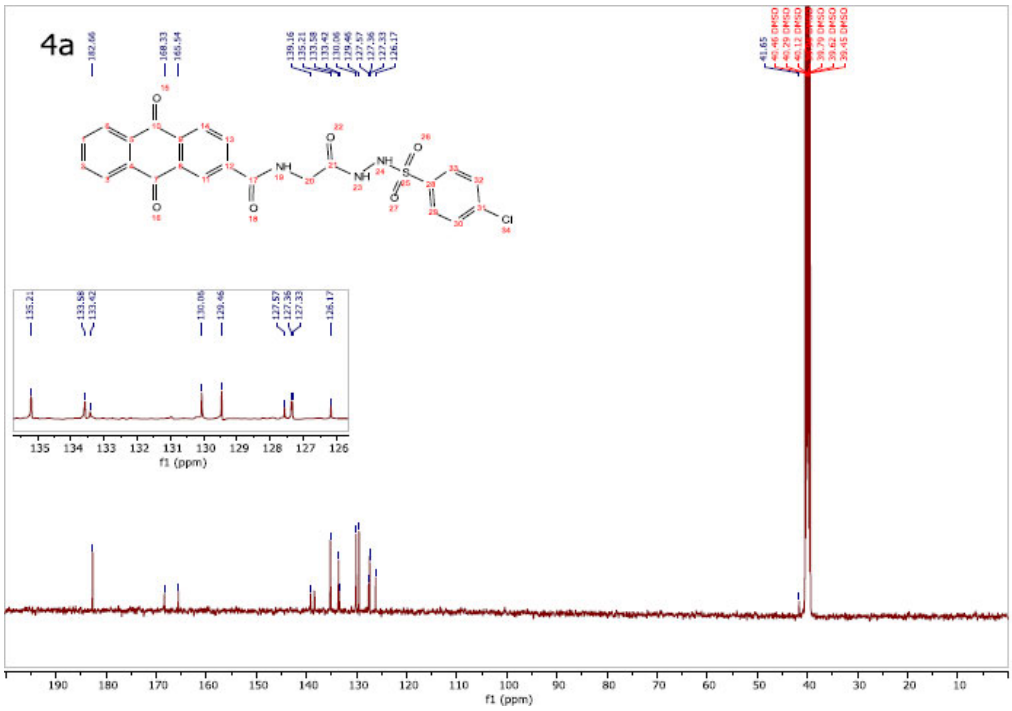

Fig. (S15). ^{13}C-NMR spectrum of **4a**.

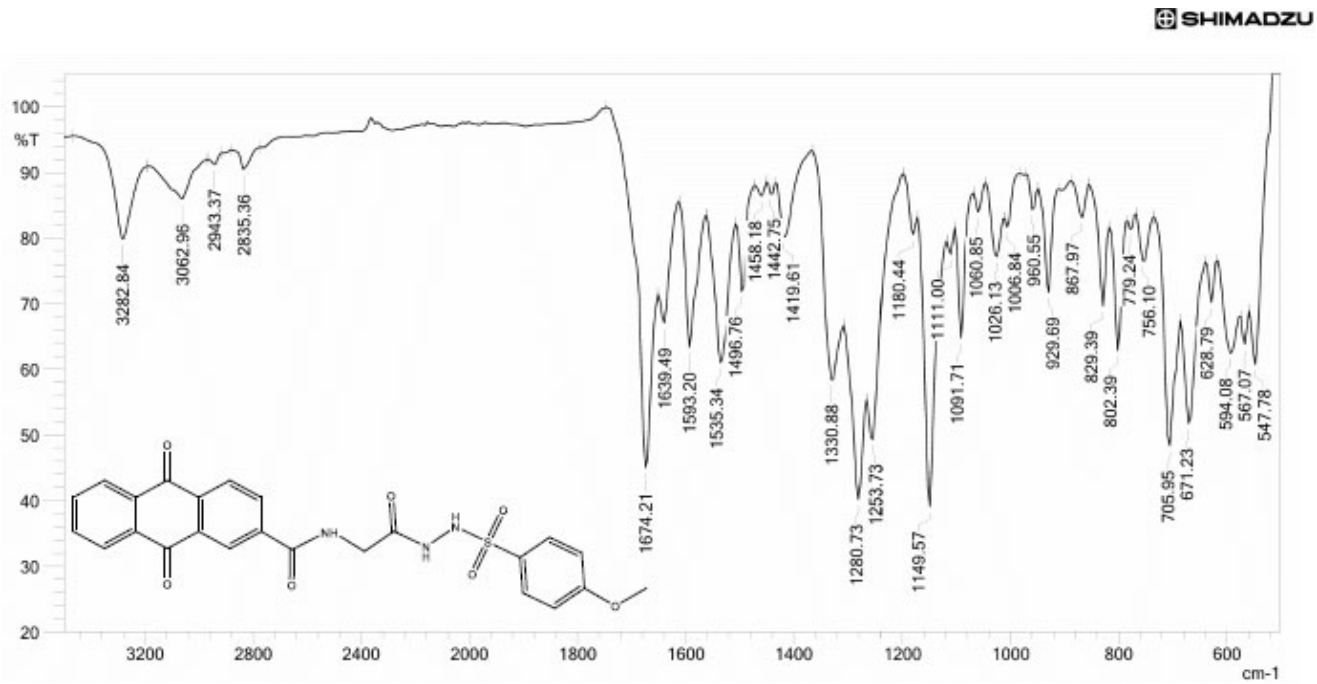

Fig. (S16). FT-IR spectrum of **4b**.

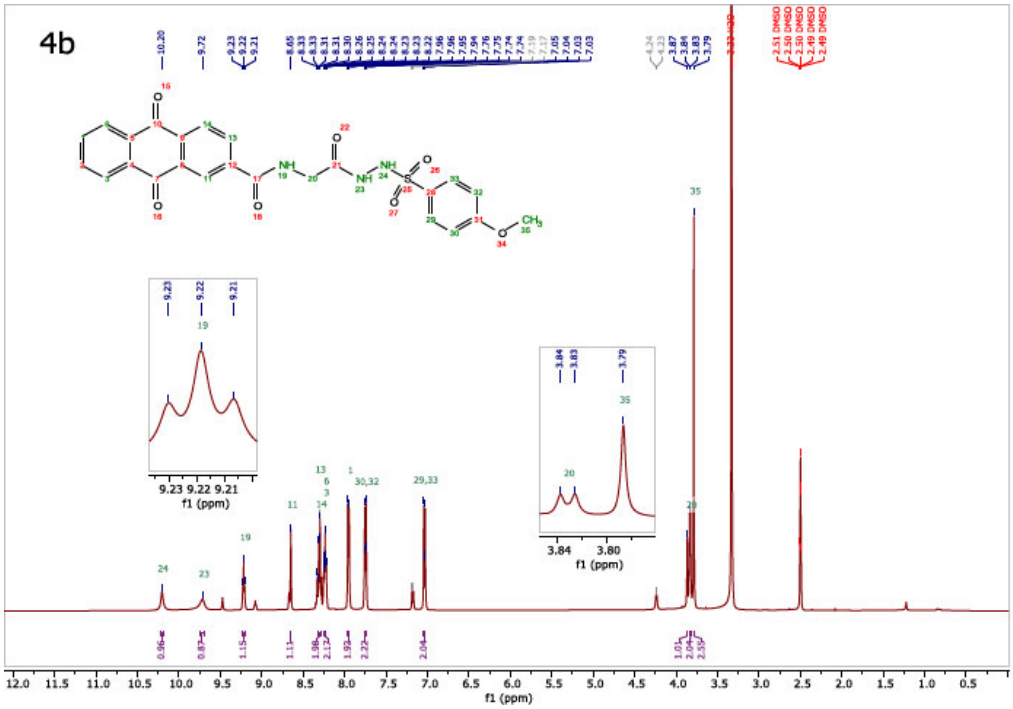

Fig. (S17). ^{1}H-NMR spectrum of **4b**.

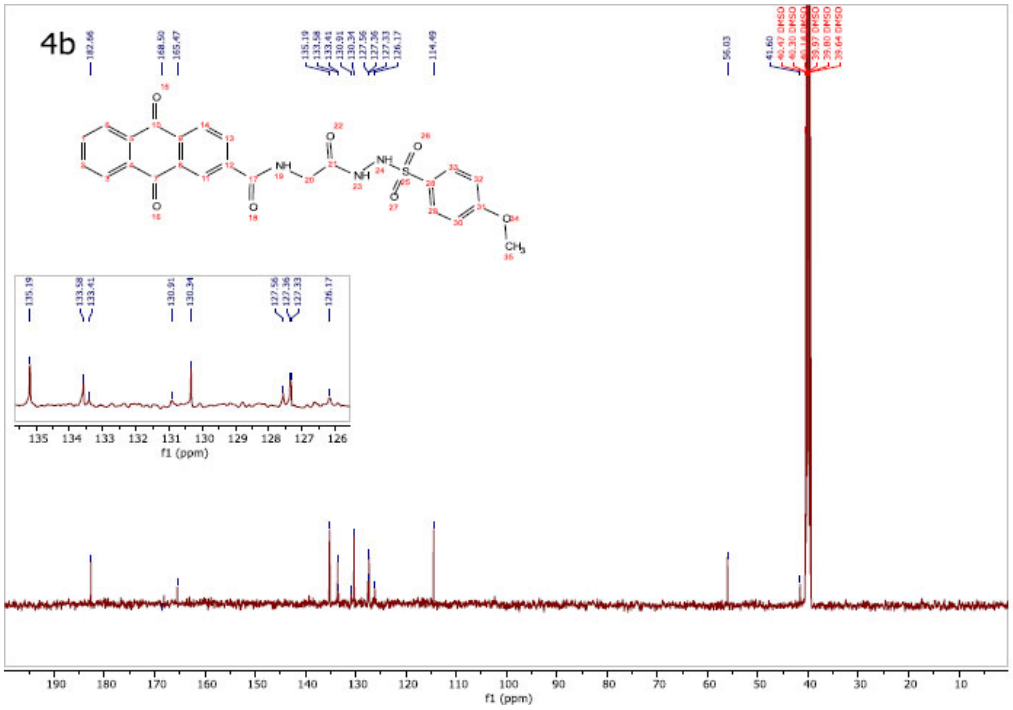

Fig. (S18). ^{13}C-NMR spectrum of **4b**.

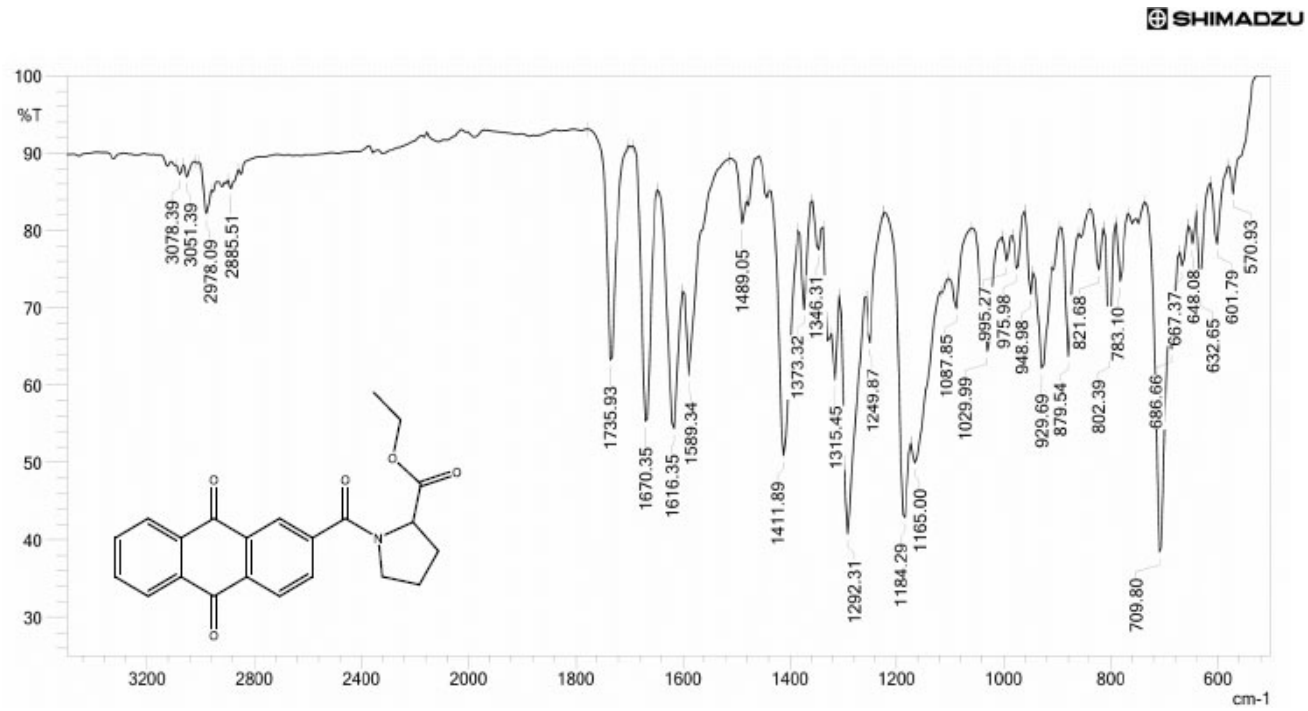

Fig. (S19). FT-IR spectrum of **1b**.

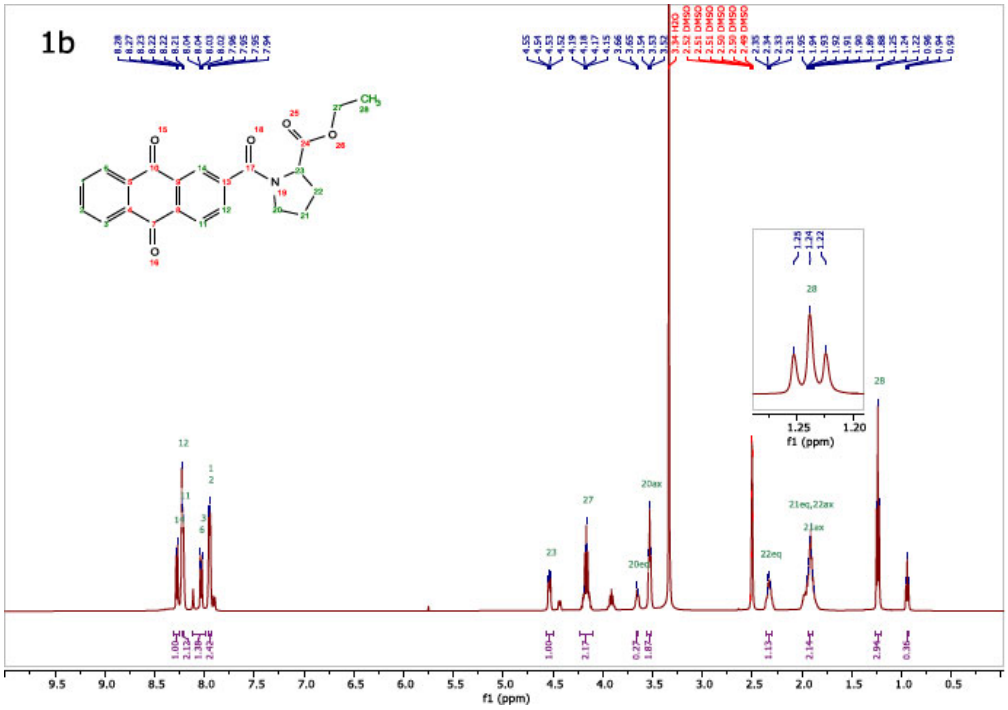

Fig. (S20). ^{1}H-NMR spectrum of **1b**.

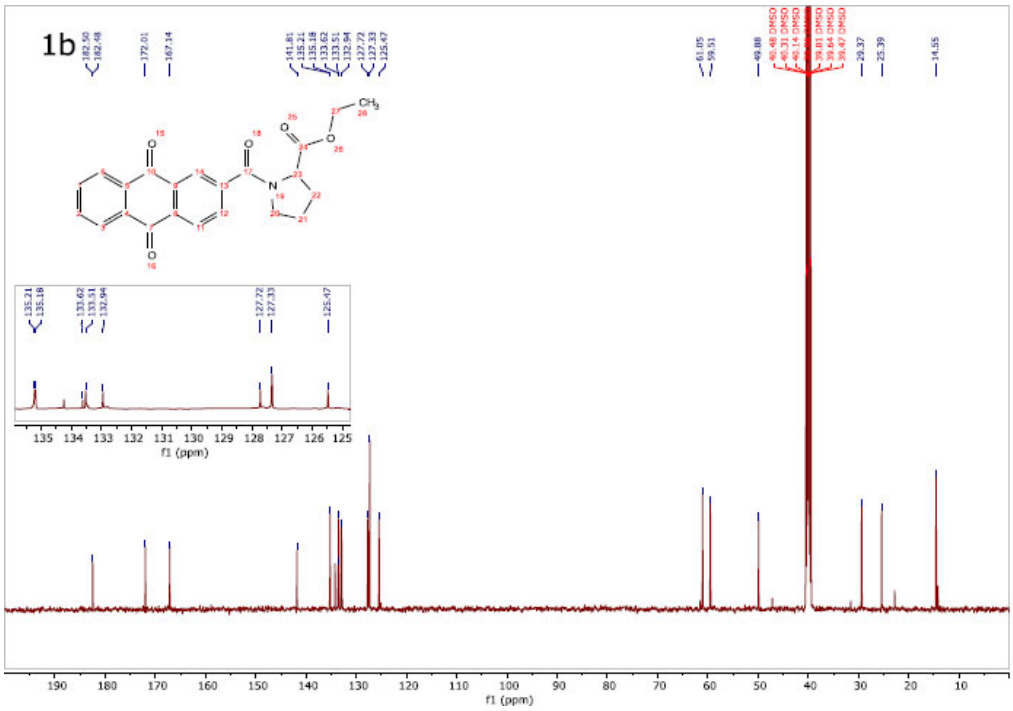

Fig. (S21). ^{13}C-NMR spectrum of **1b**.

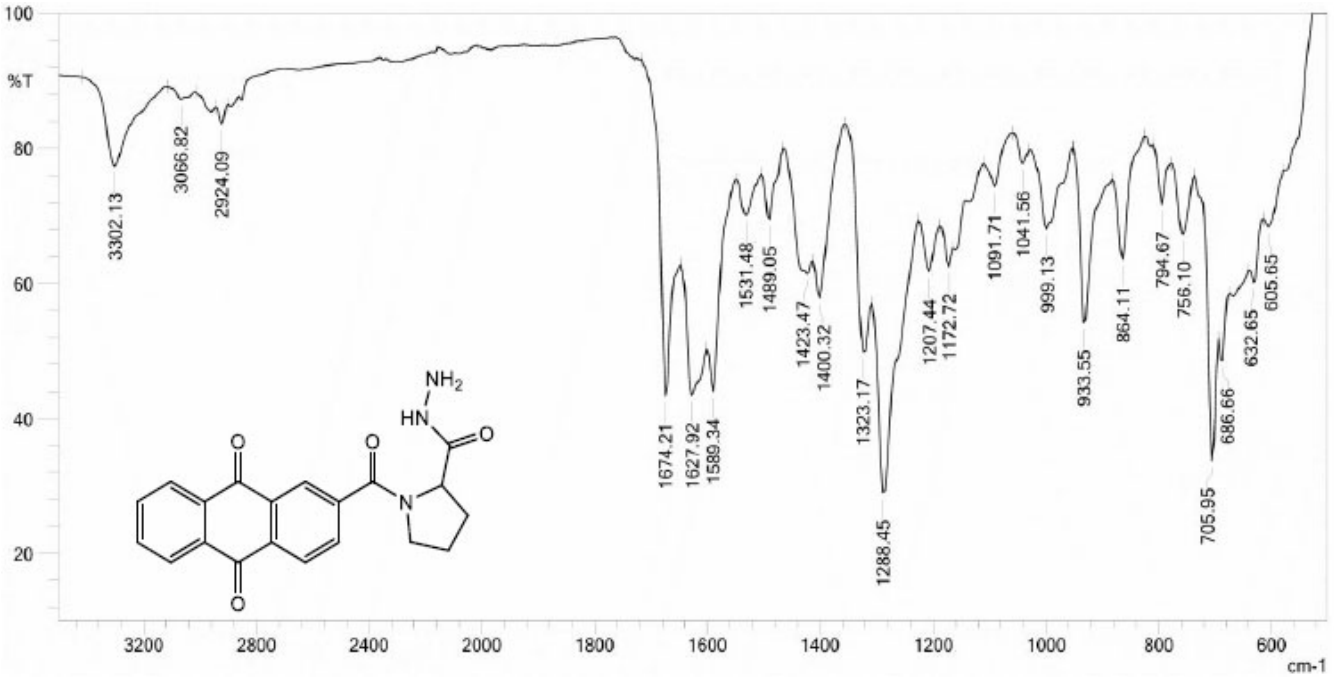

Fig. (S22). FT-IR spectrum of **2b**.

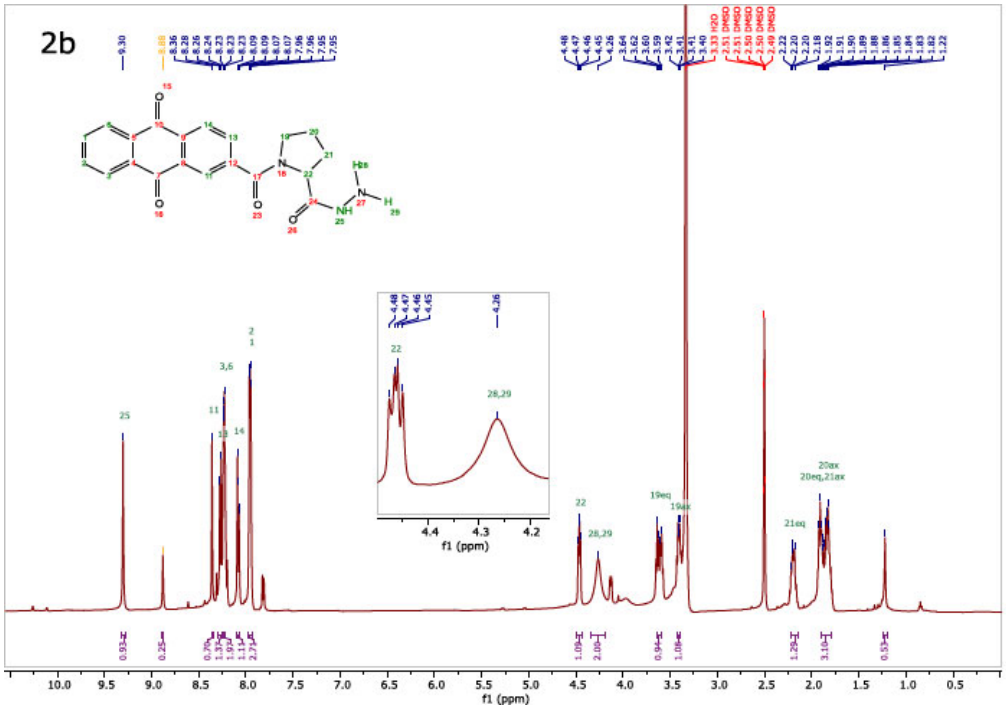

Fig. (S23). ^{1}H-NMR spectrum of **2b**.

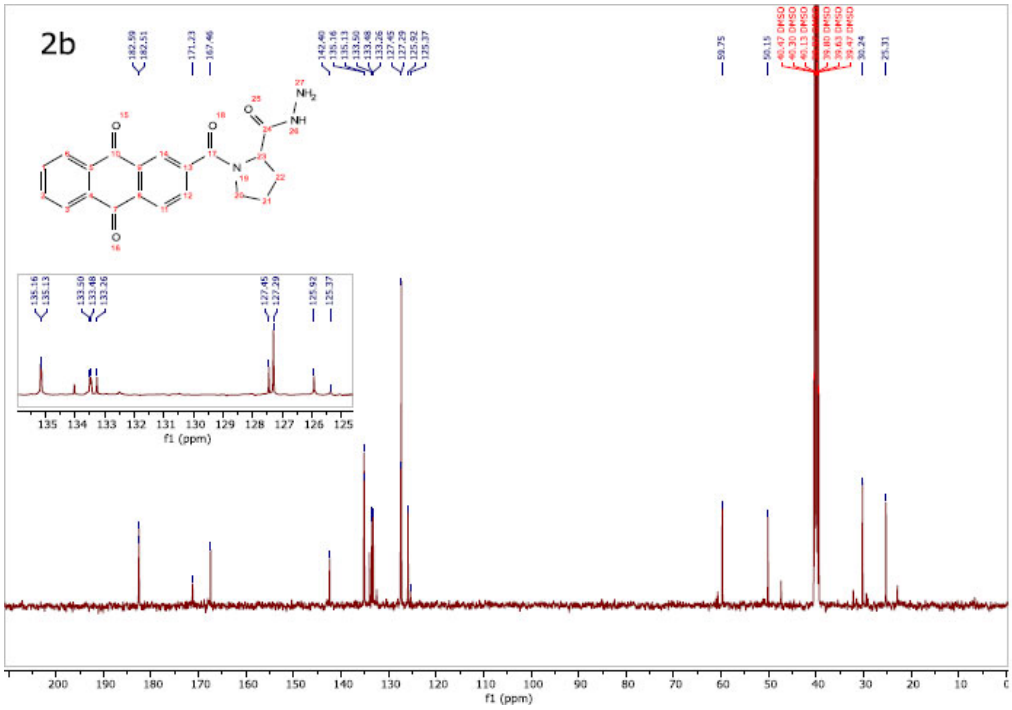

Fig. (S24). ^{13}C-NMR spectrum of **2b**.

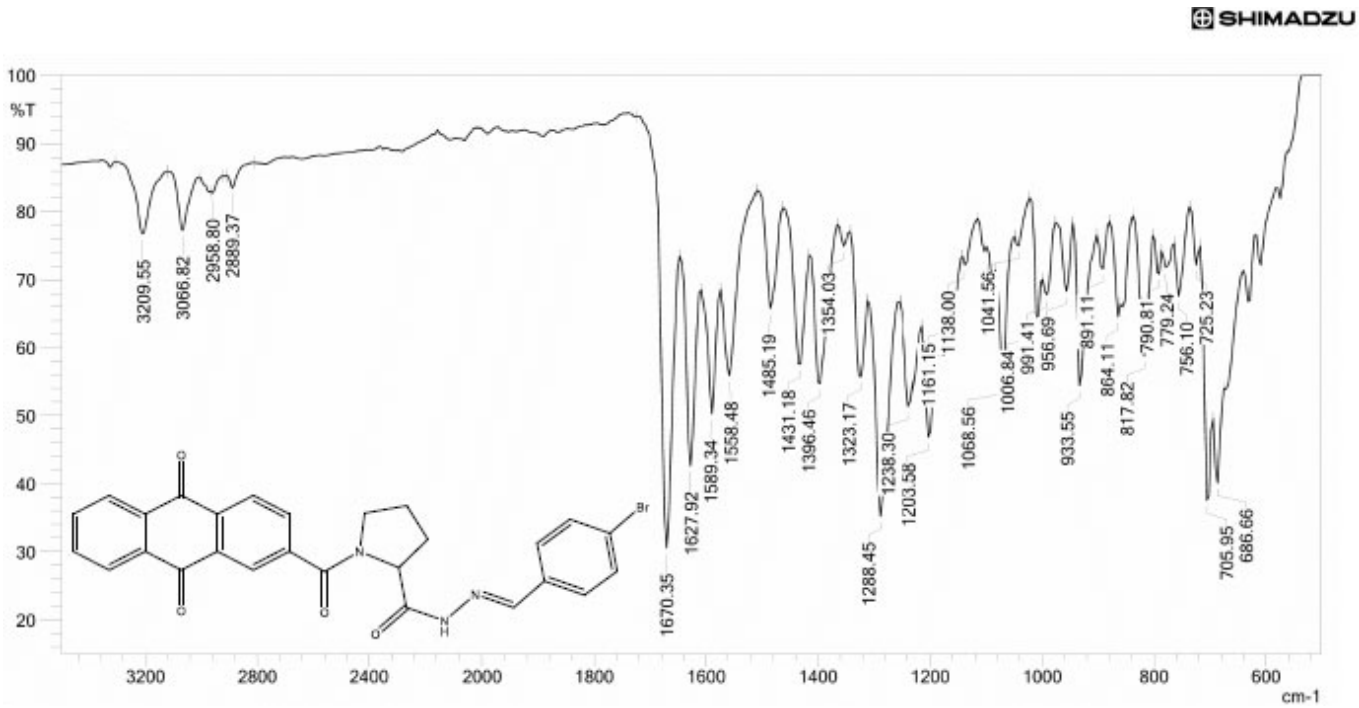

Fig. (S25). FT-IR spectrum of **3c**.

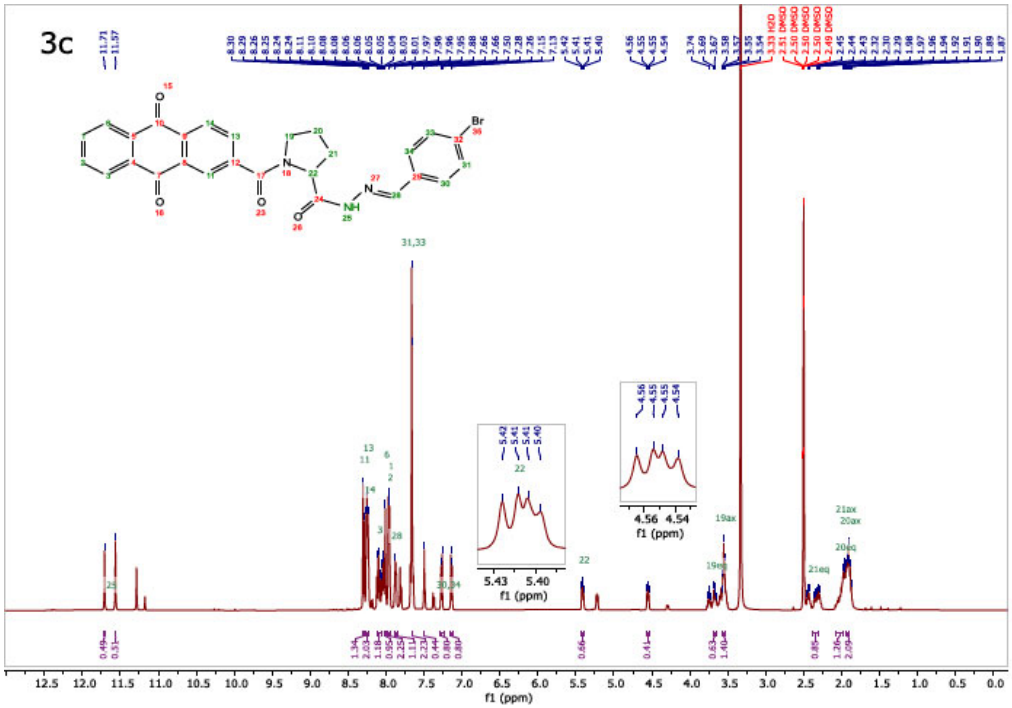

Fig. (S26). ^{1}H-NMR spectrum of **3c**.

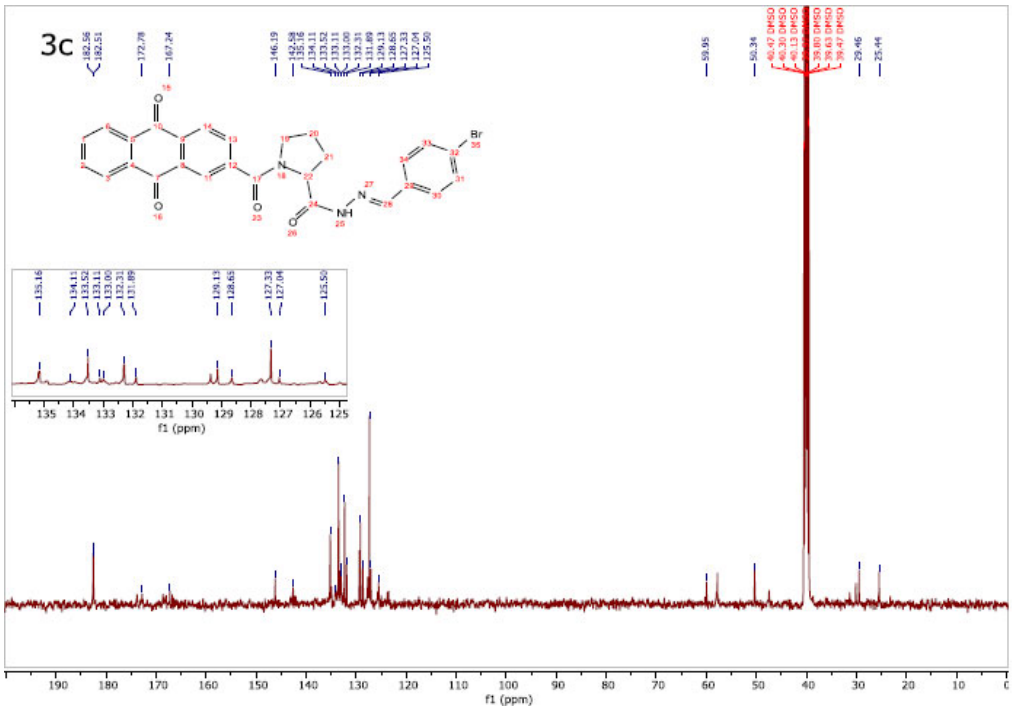

Fig. (S27). ^{13}C-NMR spectrum of **3c**.

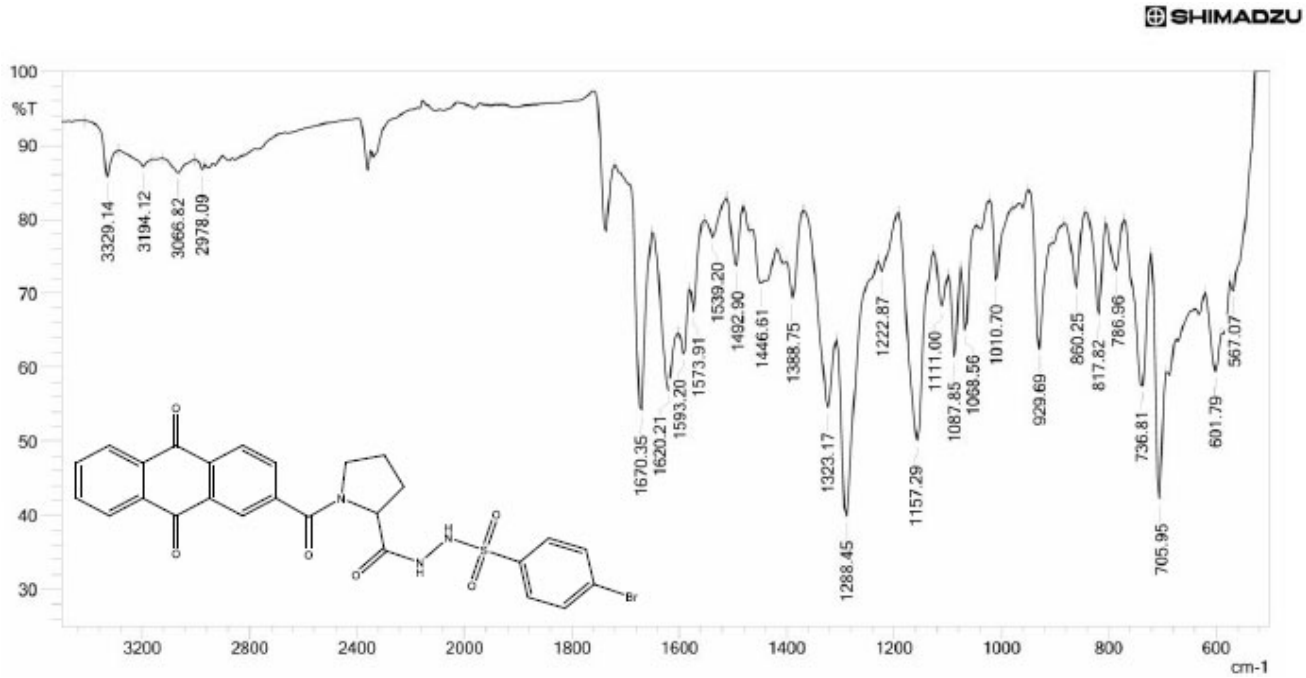

Fig. (S28). FT-IR spectrum of **4c**.

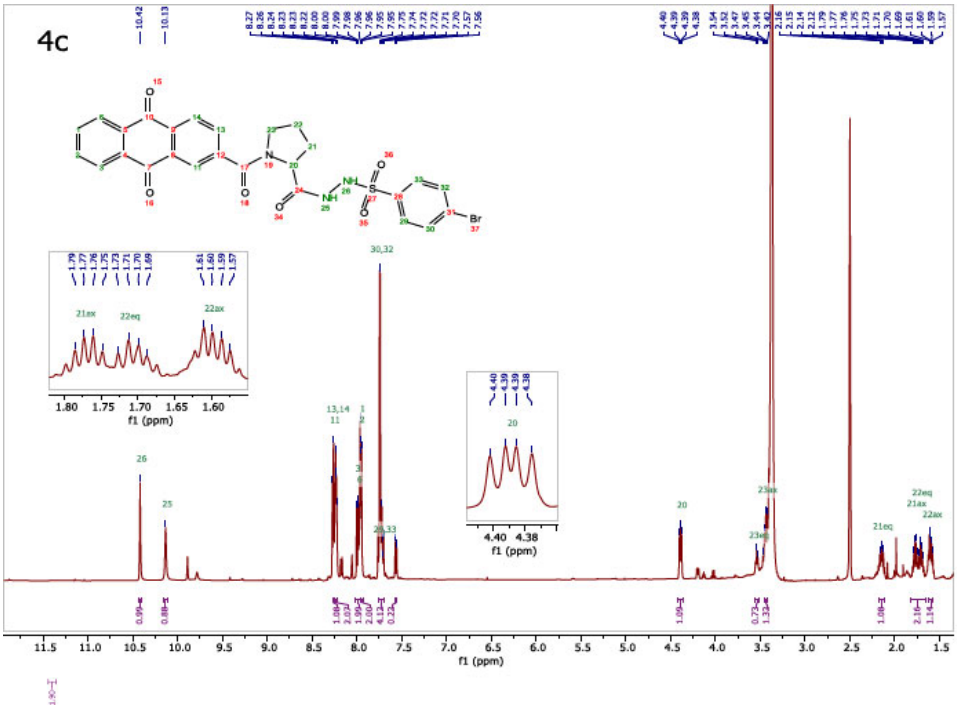

Fig. (S29). ^{1}H-NMR spectrum of **4c**.

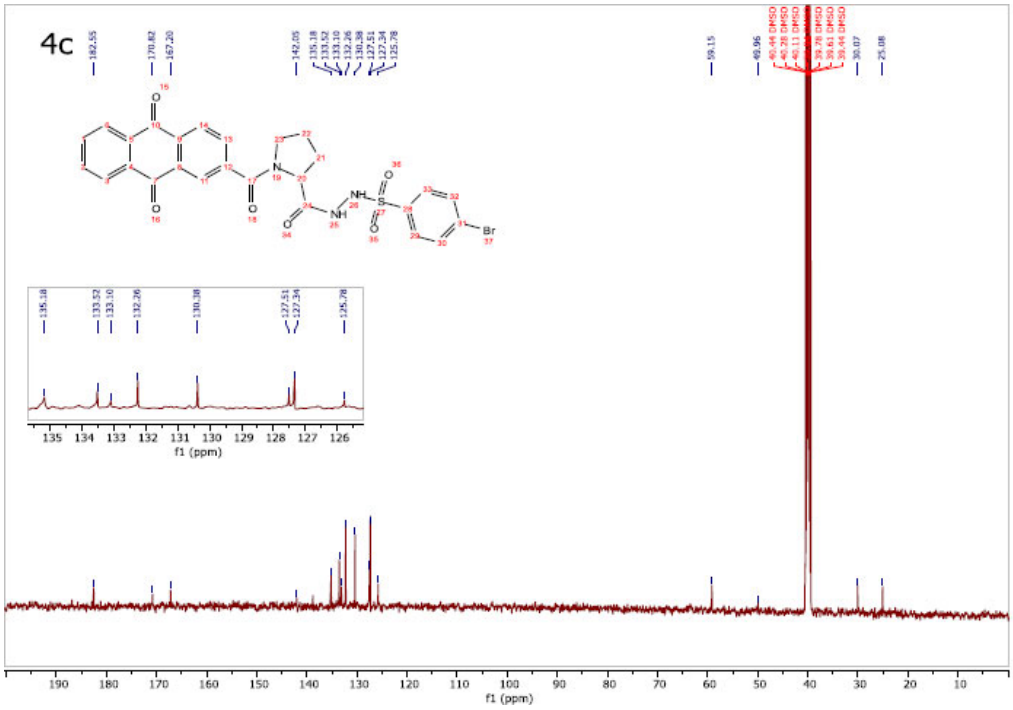

Fig. (S30). ^{13}C-NMR spectrum of **4c**.

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