Design and synthesis of thiourea-conjugating organic arsenic D-glucose with anticancer activities

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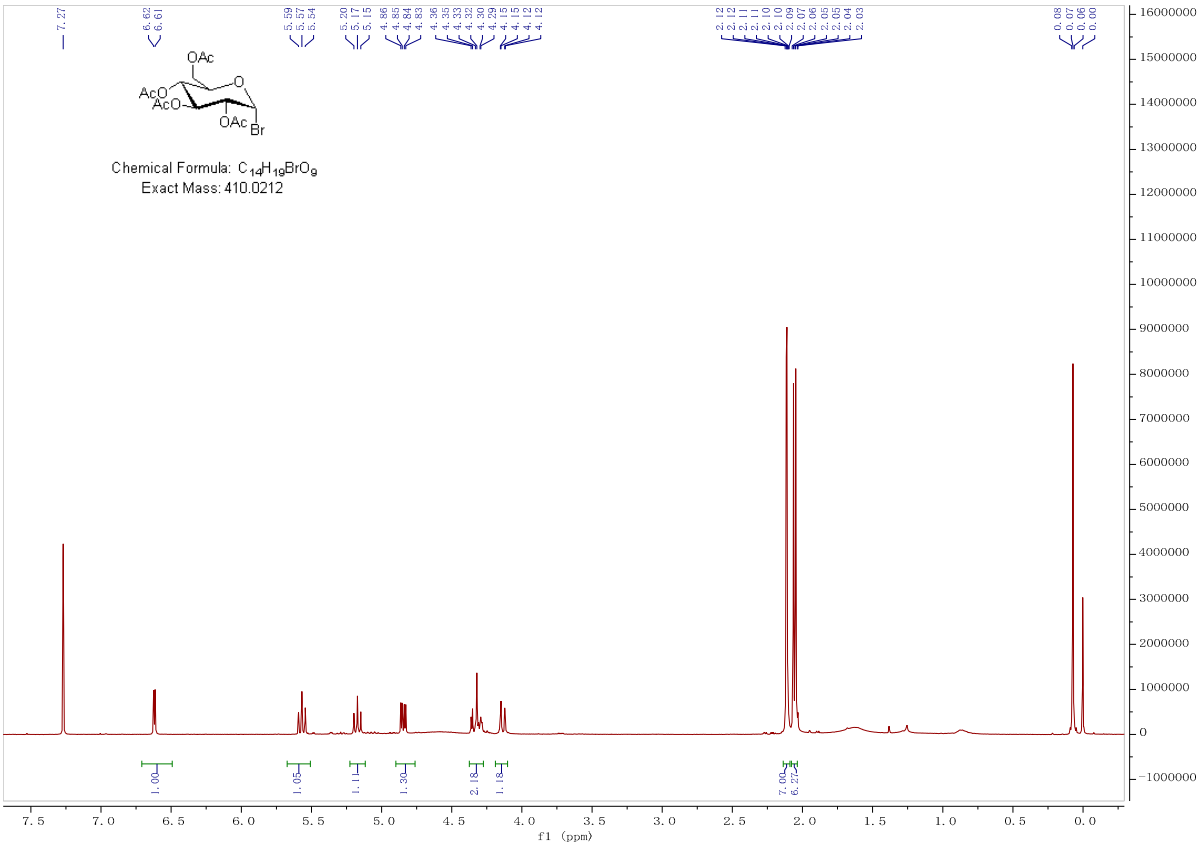

Figure S1: ^{1}H NMR of Compound **8** (400 MHz, $CDCl_3$).

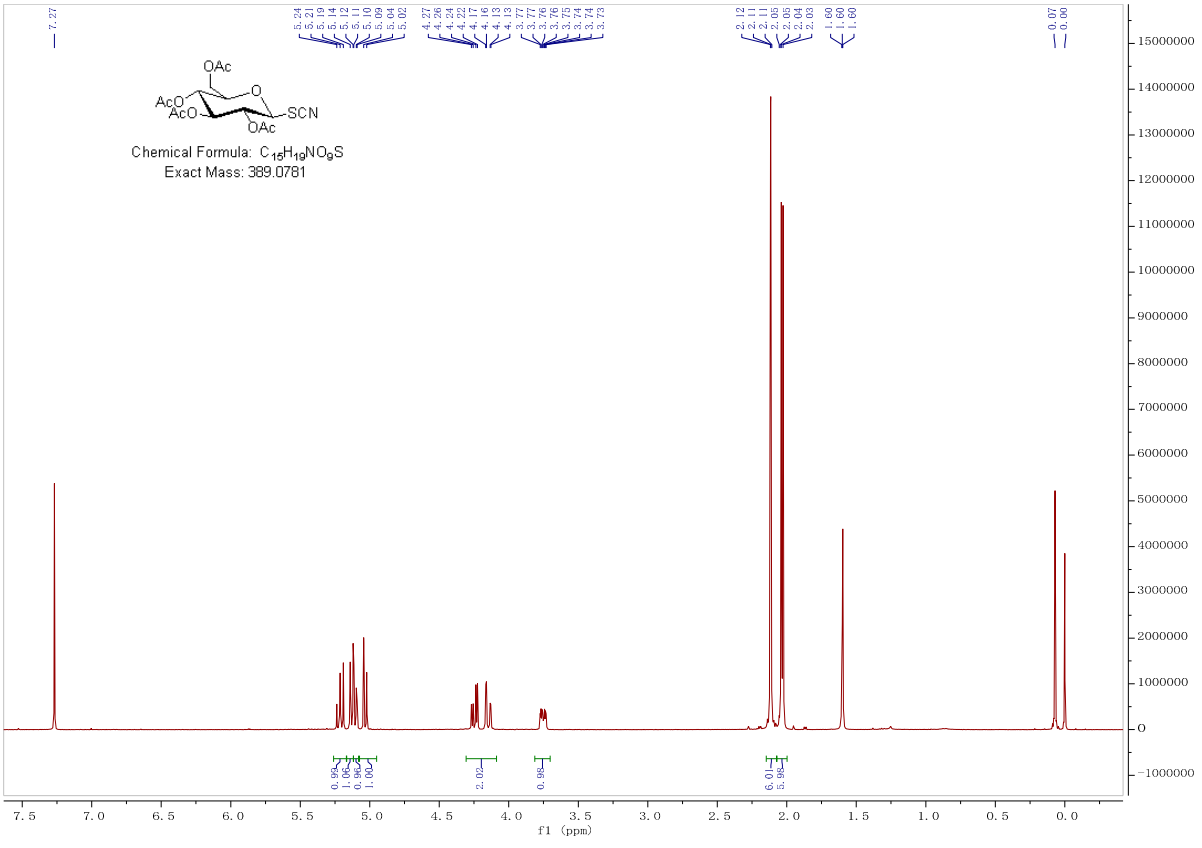

Figure S2: ^{1}H NMR of Compound **9** (400 MHz, $CDCl_3$).

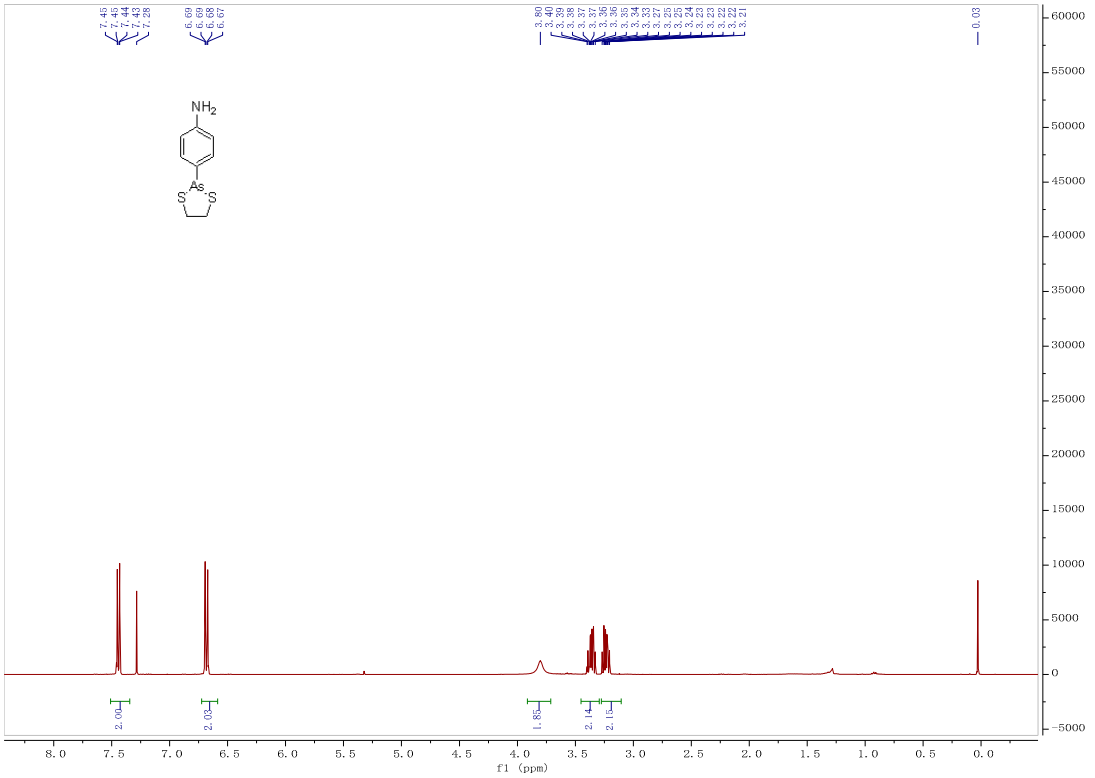

Figure S3: ^{1}H NMR of Compound **6** (400 MHz, $CDCl_3$).

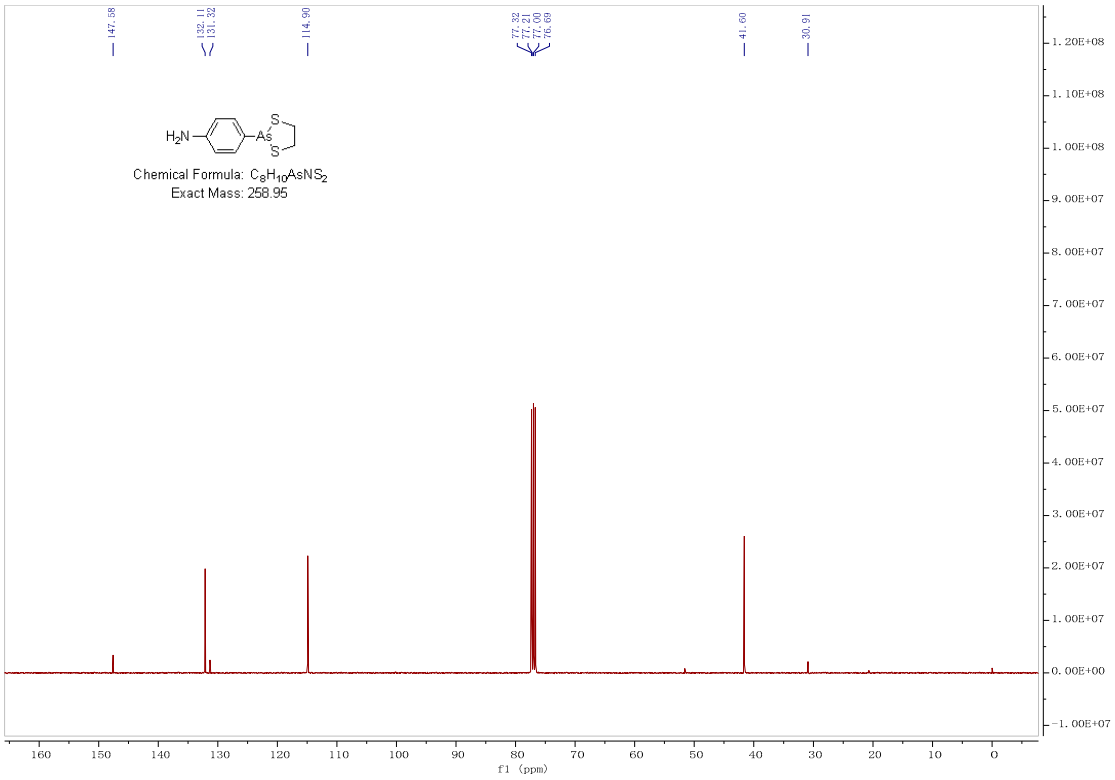

Figure S4: ^{13}C NMR of Compound **6** (100 MHz, $CDCl_3$).

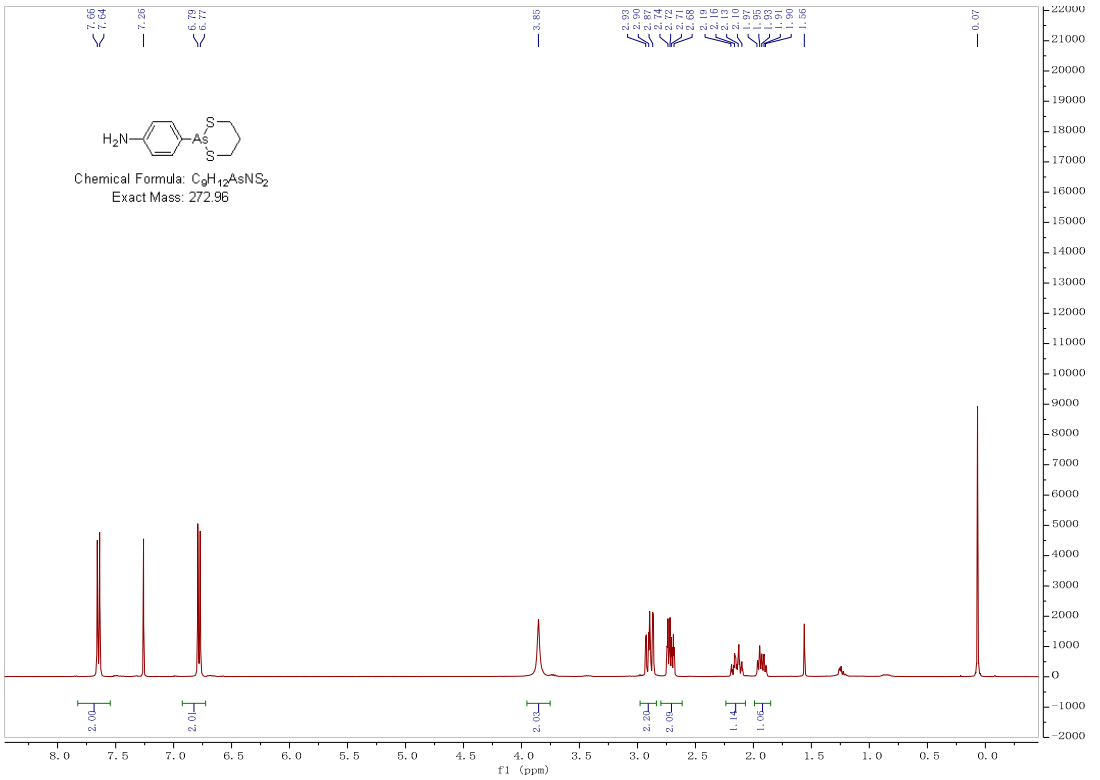

Figure S5: ^{1}H NMR of Compound **7** (400 MHz, $CDCl_3$).

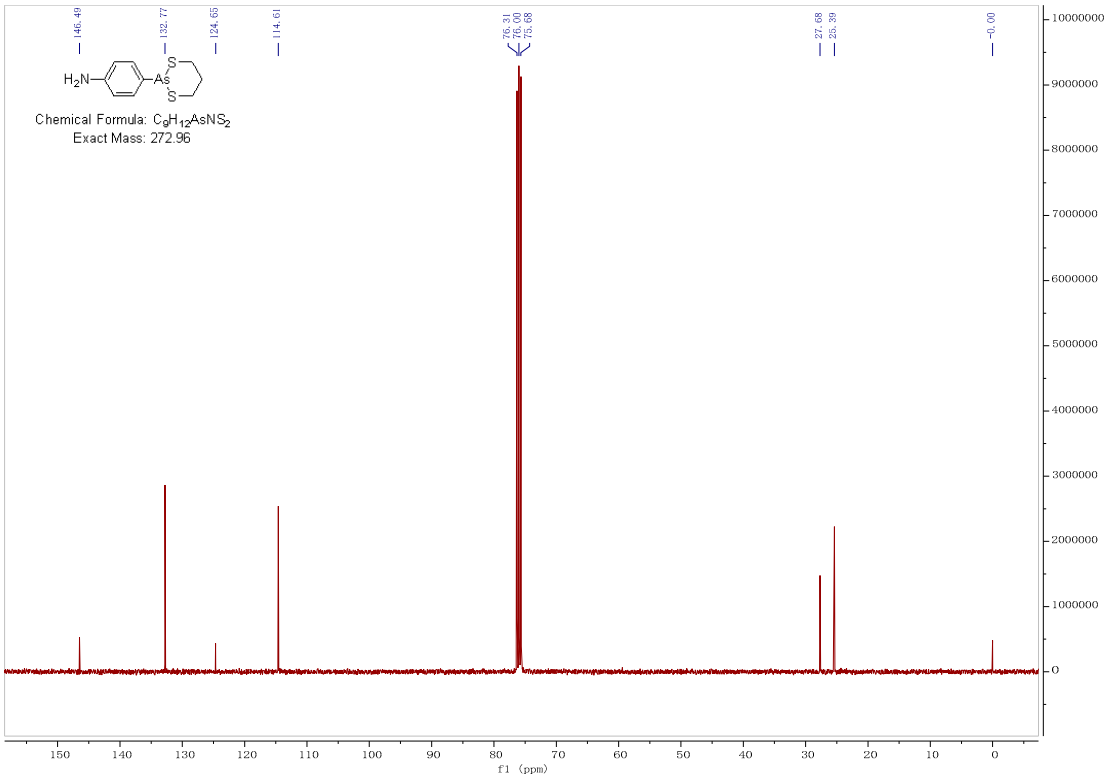

Figure S6: ^{13}C NMR of Compound **7** (100 MHz, $CDCl_3$).

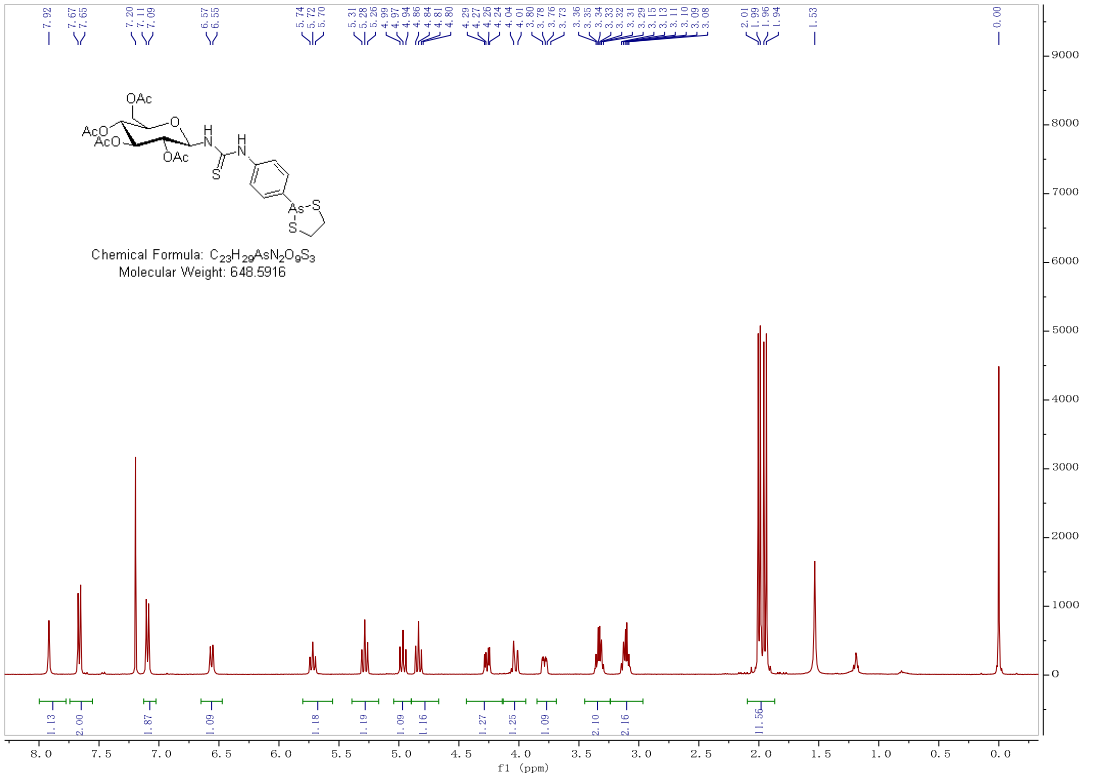

Figure S7: ^{1}H NMR of Compound **1** (400 MHz, $CDCl_3$).

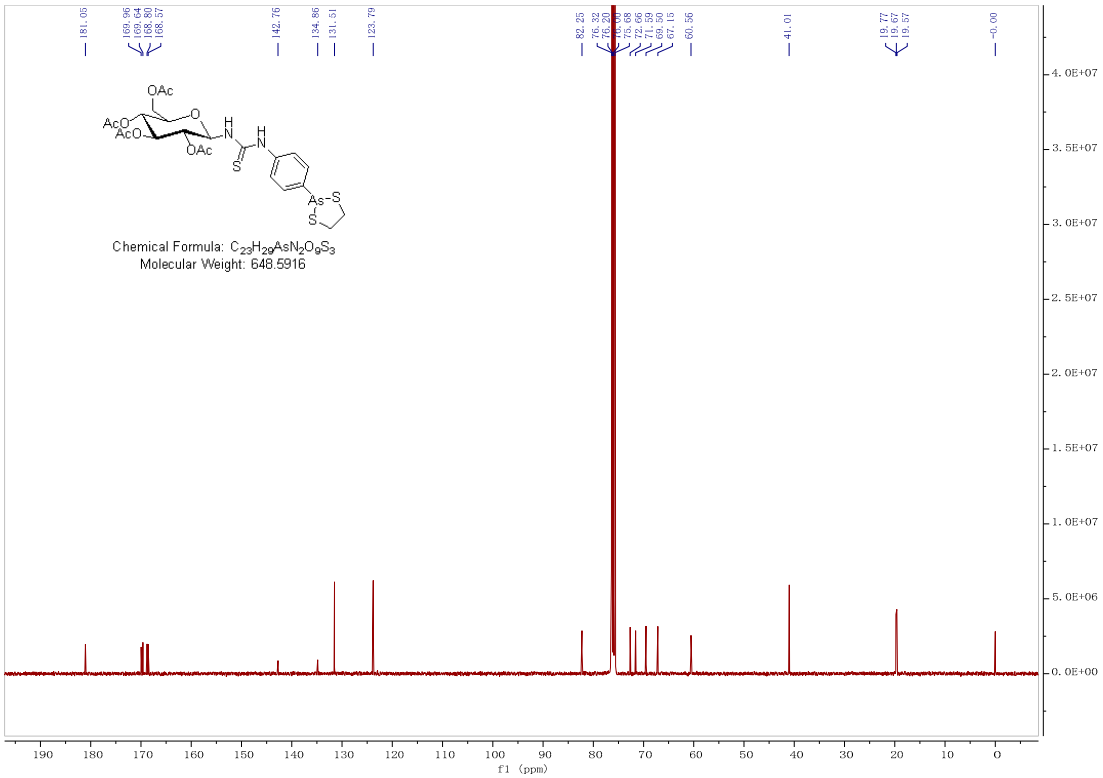

Figure S8: ^{13}C NMR of Compound **1** (100 MHz, $CDCl_3$).

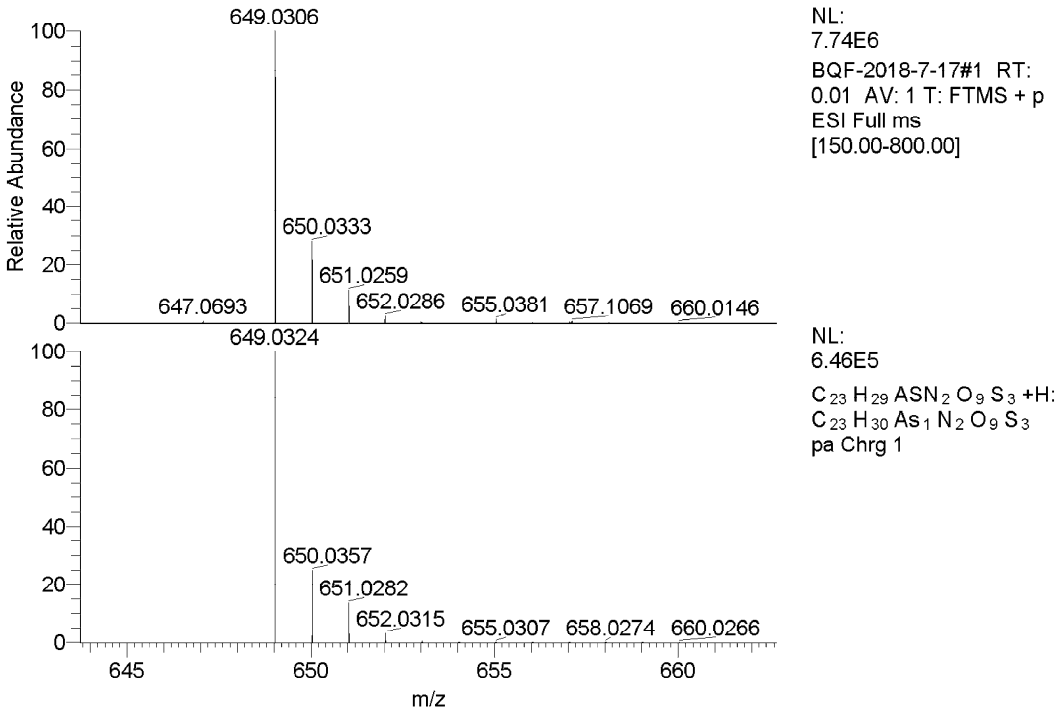

Figure S9: HRMS of Compound **1**.

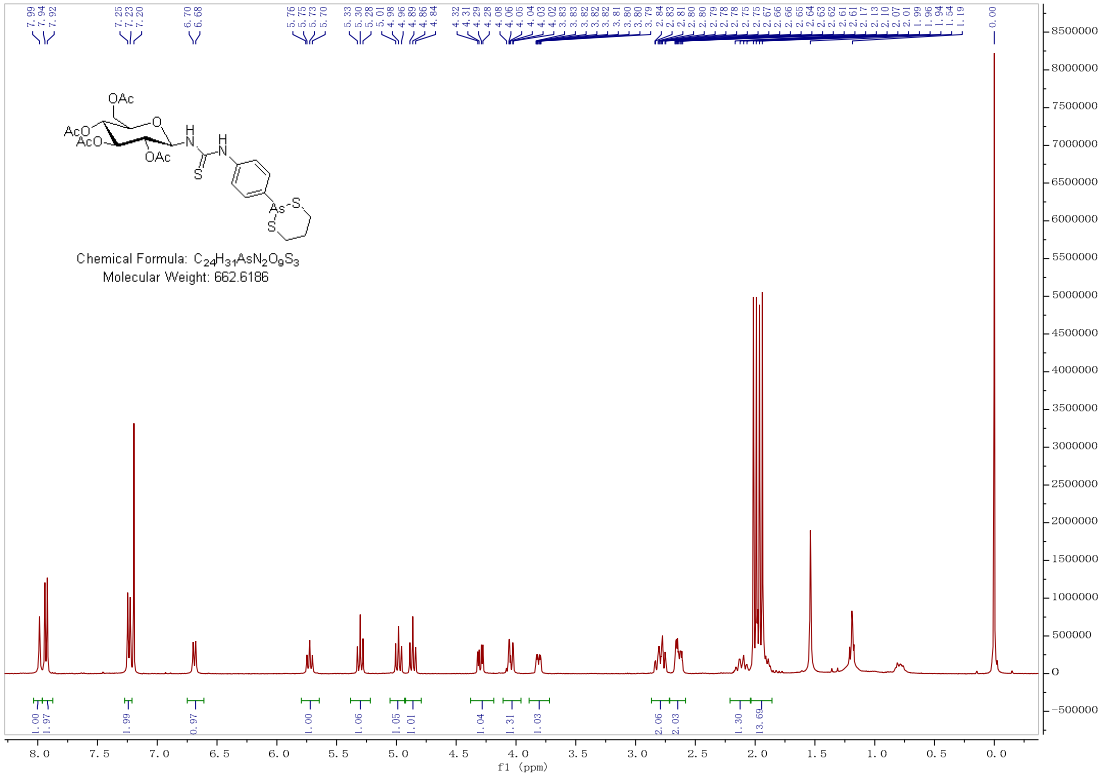

Figure S10: ^{1}H NMR of Compound **2** (400 MHz, $CDCl_3$).

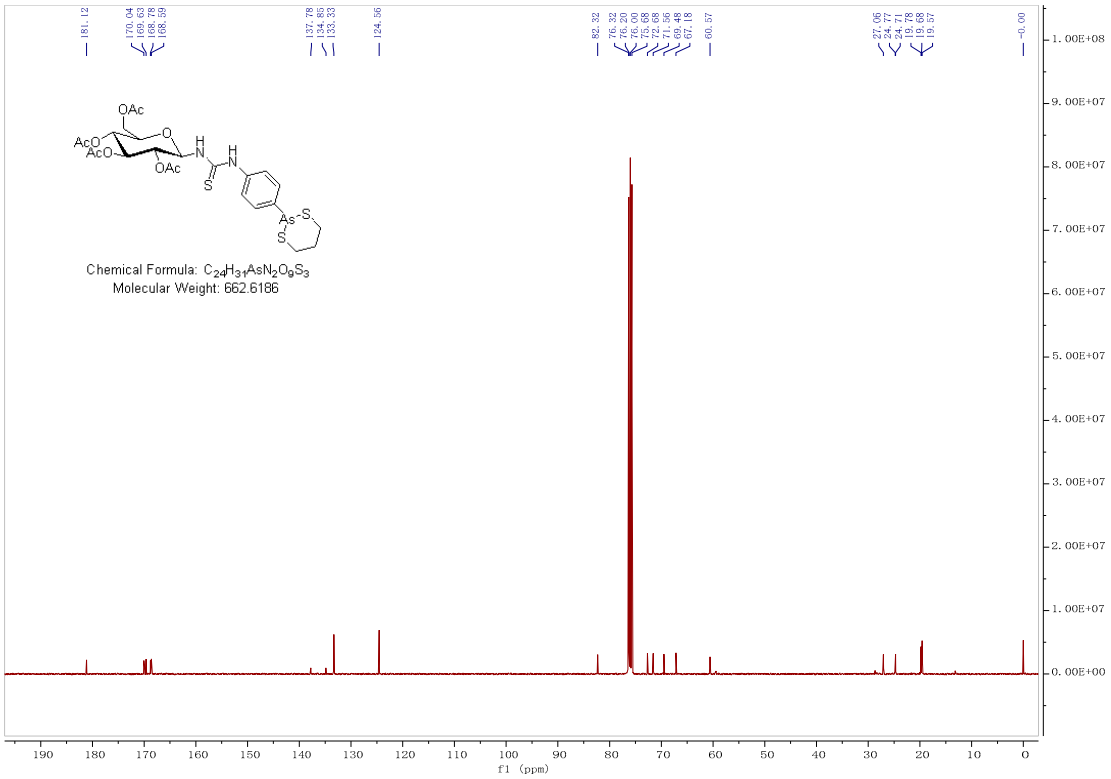

Figure S11: ^{13}C NMR of Compound **2** (100 MHz, $CDCl_3$).

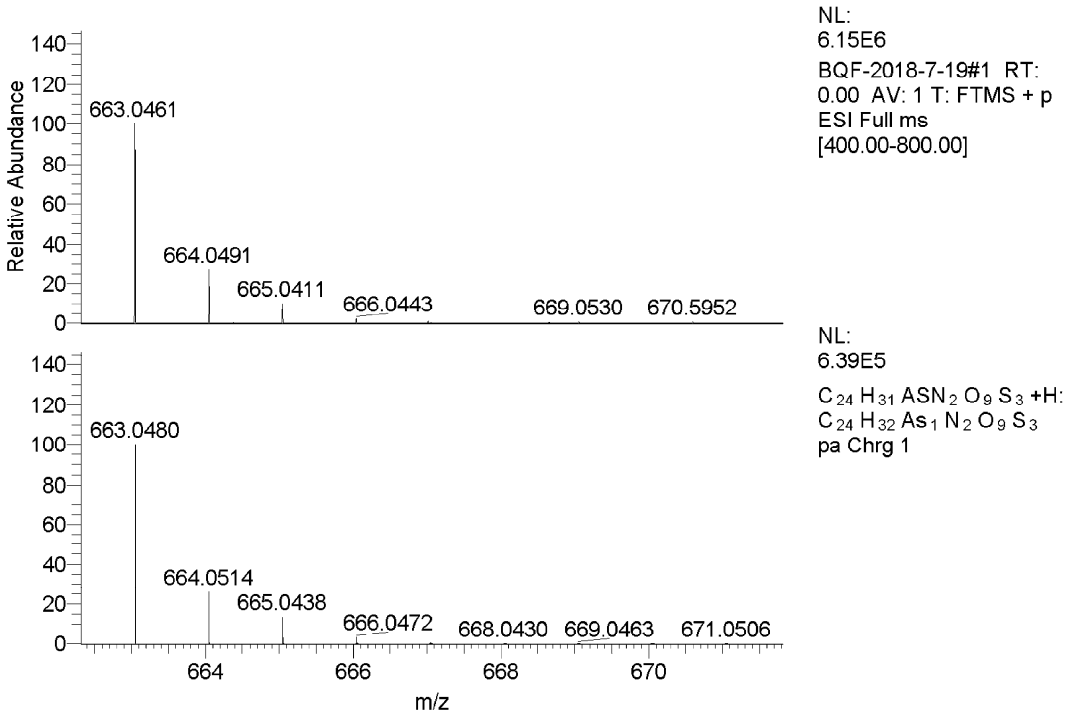

Figure S12: HRMS of Compound **2**.

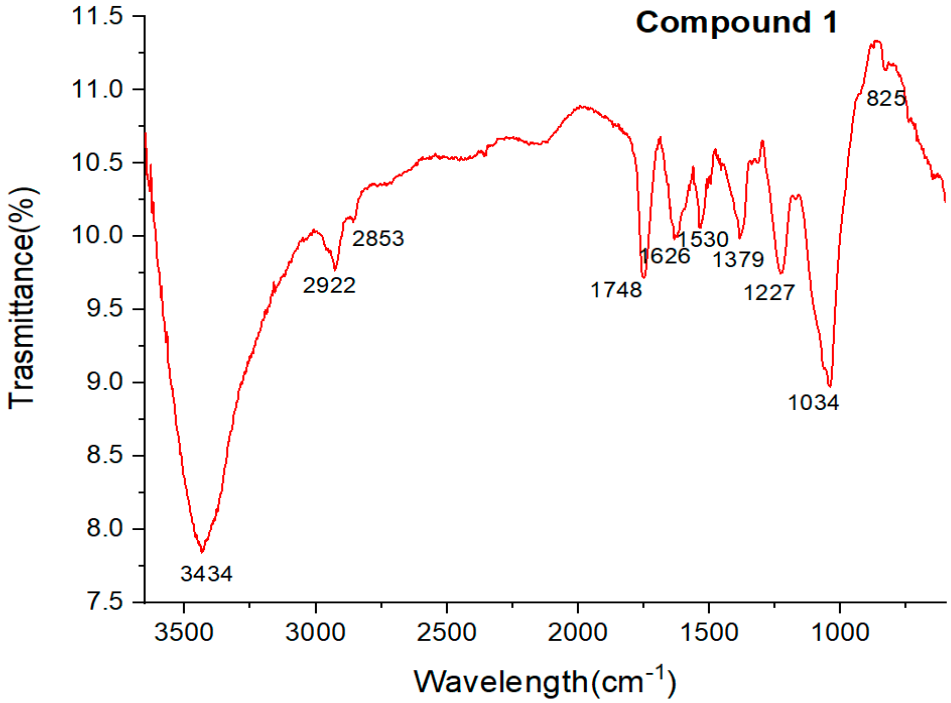

Figure S13: IR of Compound **1**(KBr).

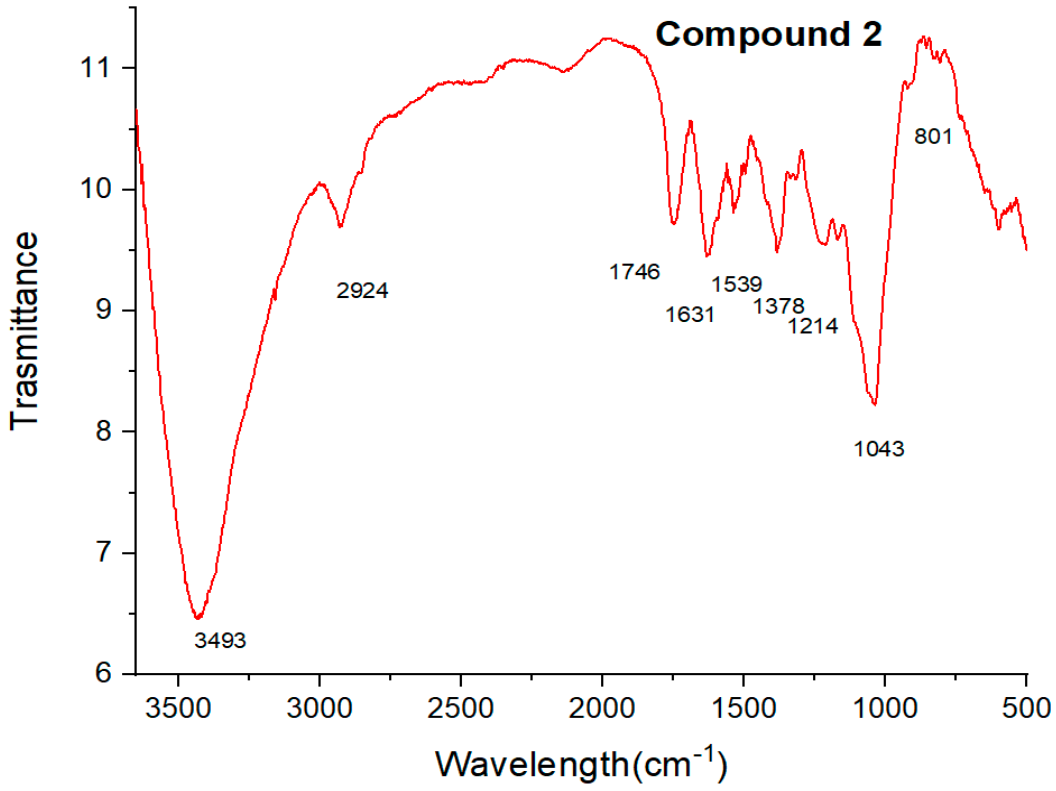

Figure S14: IR of Compound **2**(KBr).

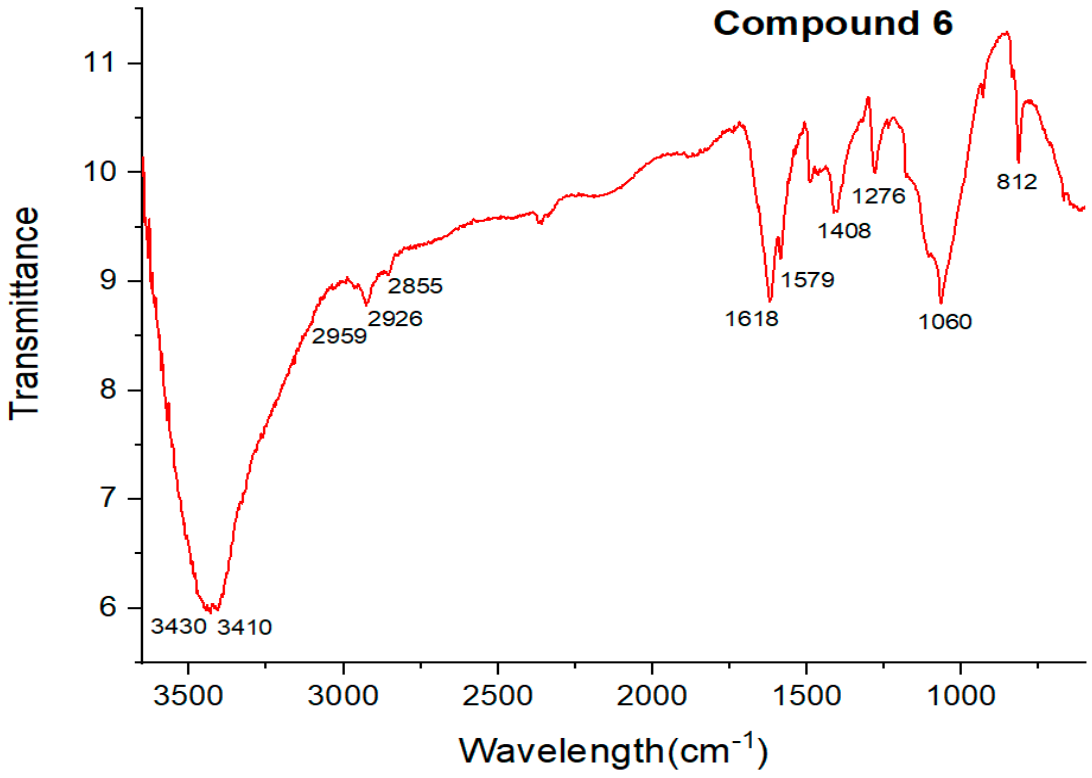

Figure S15: IR of Compound **6**(KBr).

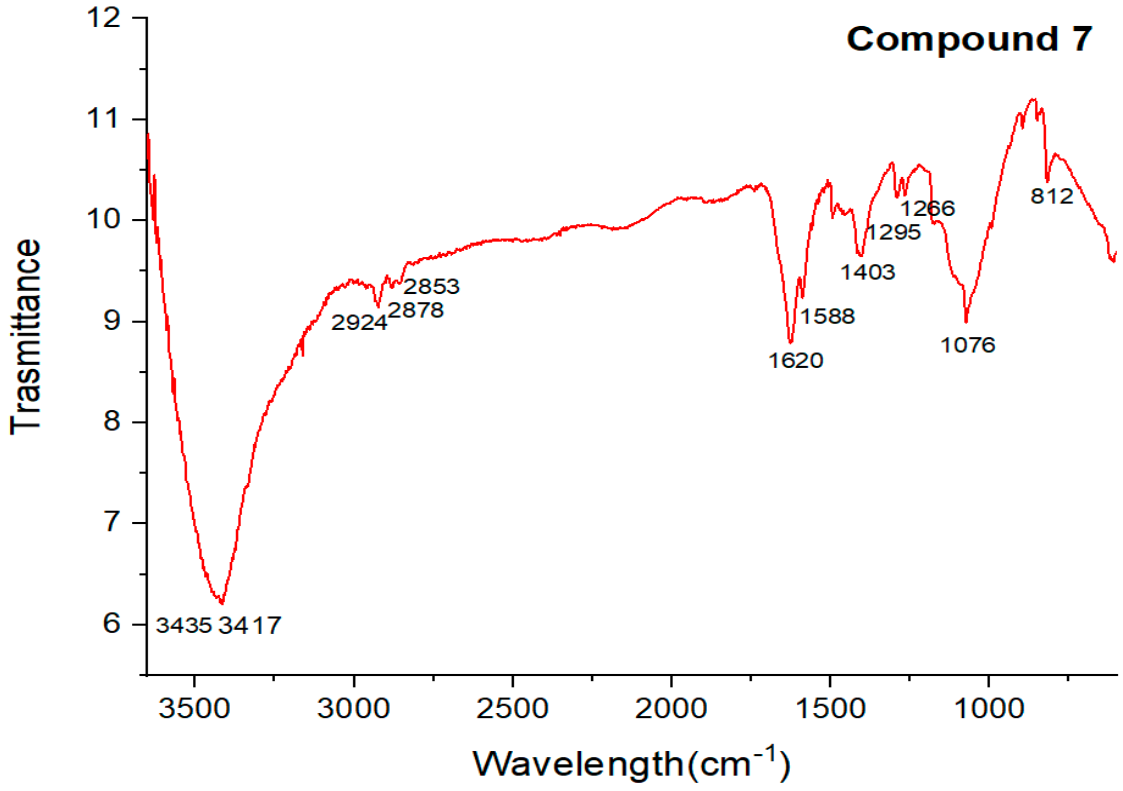

Figure S16: IR of Compound **7**(KBr).

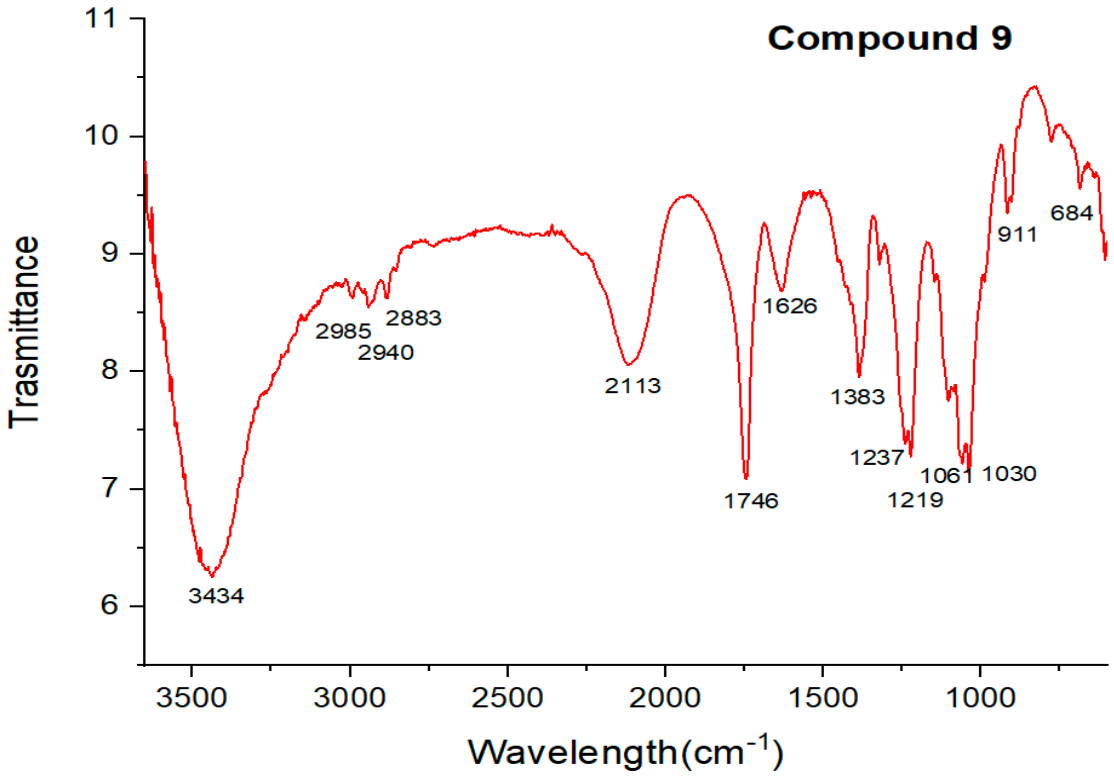

Figure S17: IR of Compound **9**(KBr).

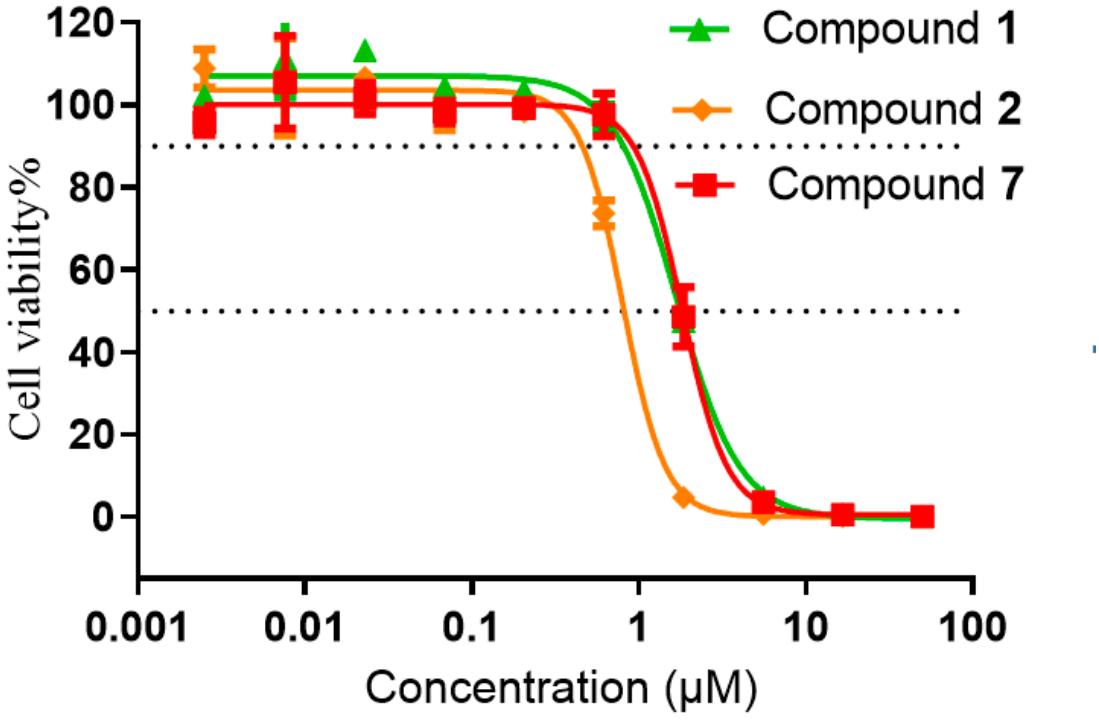

Figure S18: IC_{50} of Compound **1**，**2** and **7** for HCT-116.

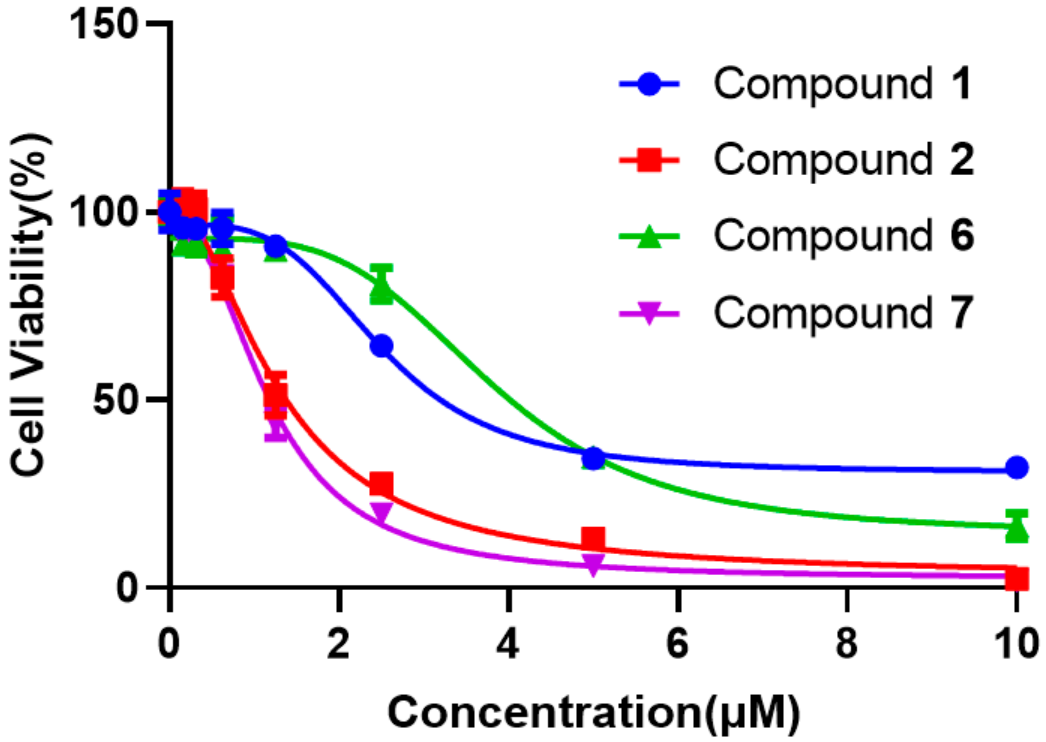

Figure S19: IC_{50} of Compound **1**，**2**, **6** and **7** for 293T.

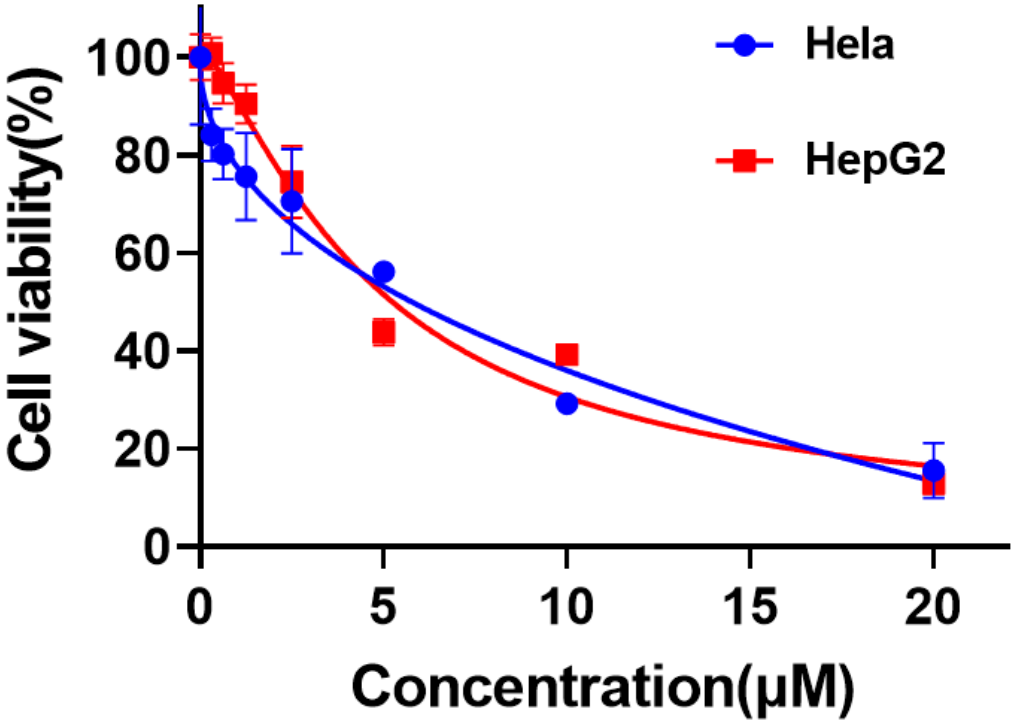

Figure S20: IC_{50} of Compound **6** for Hela and HepG2.

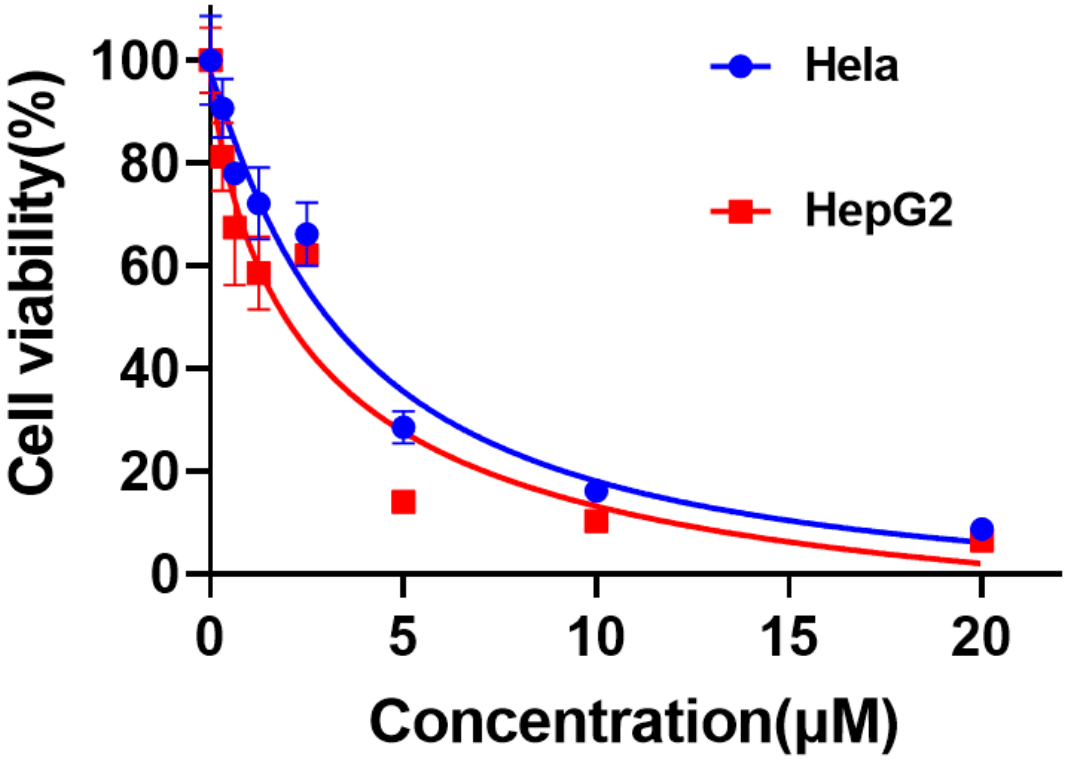

Figure S21: IC_{50} of Compound **7** for Hela and HepG2.

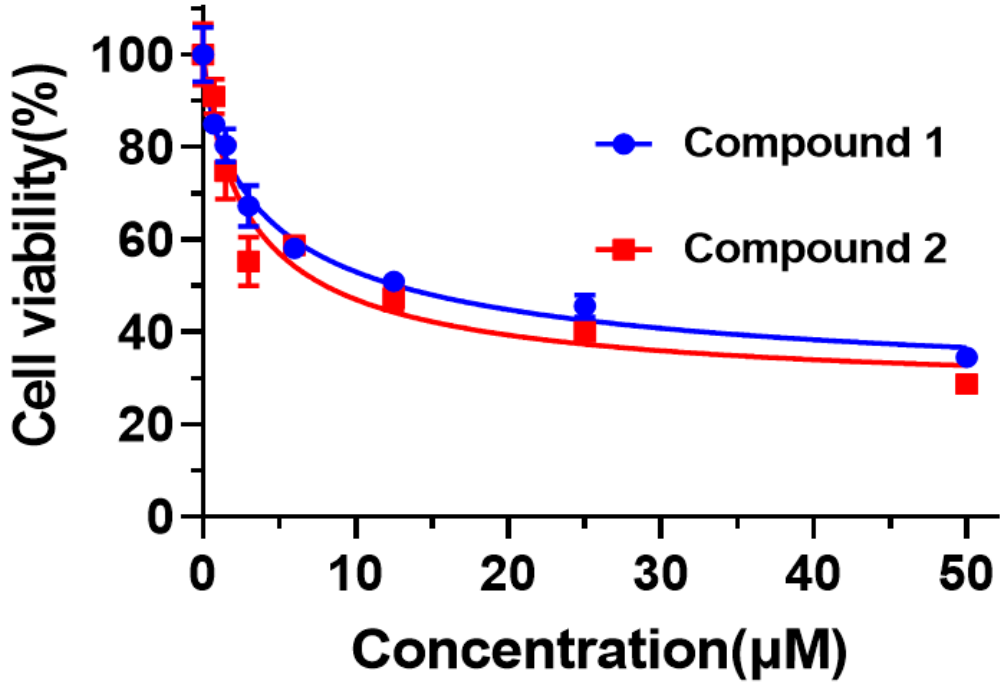

Figure S22: IC_{50} of Compound **1**and **2** for Hela.

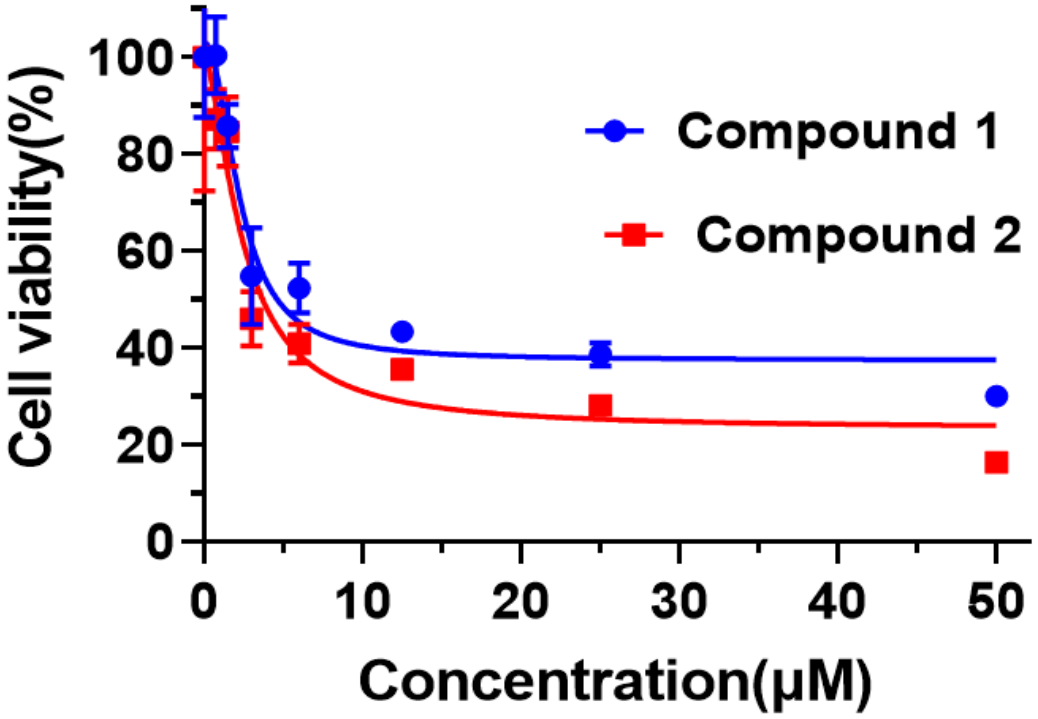

Figure S23: IC_{50} of Compound **1**and **2** for HepG2.