

Supplementary Data

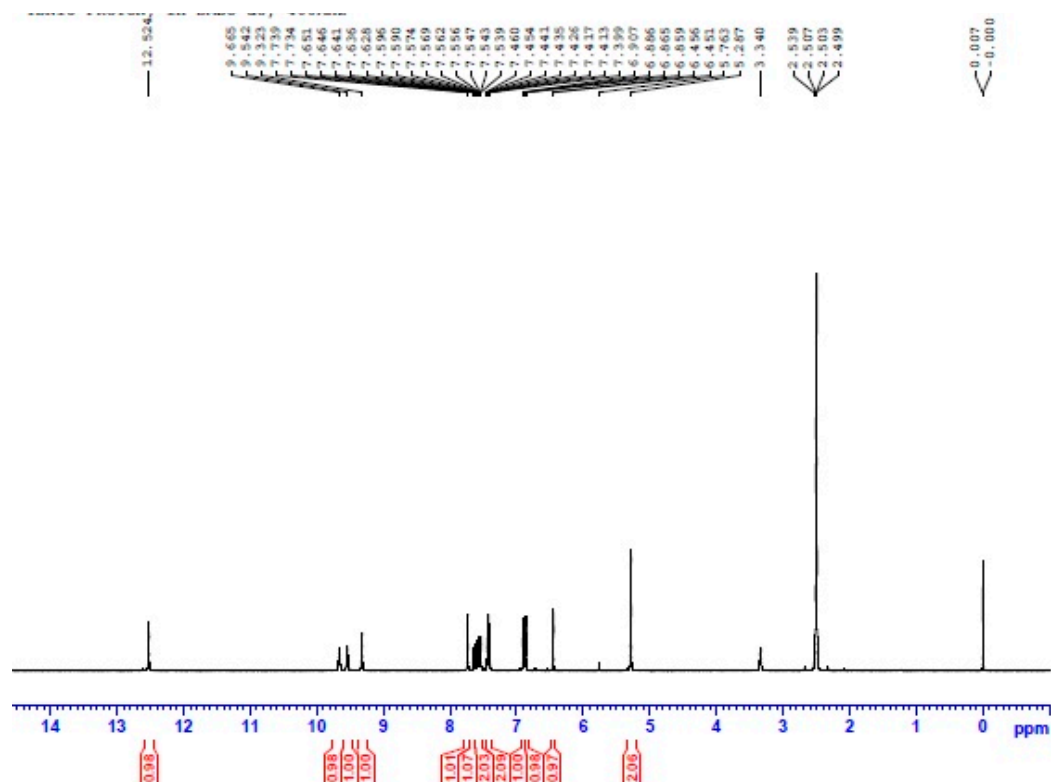


Figure S1. ¹H-NMR spectrum of **3c** (DMSO-*d*₆).

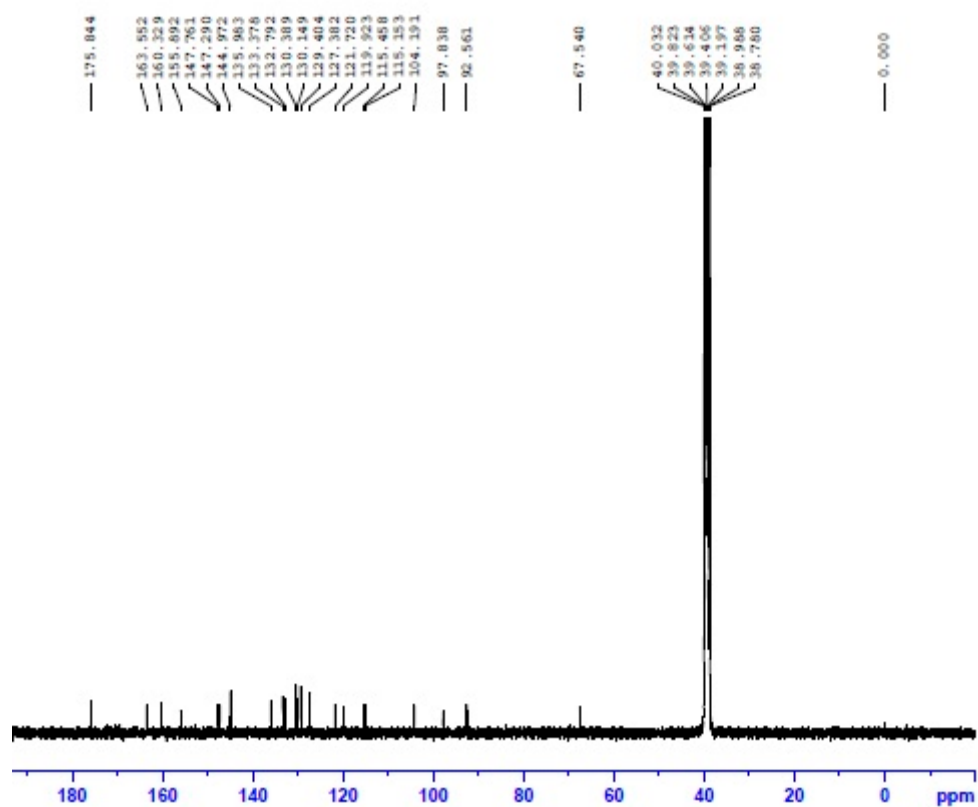


Figure S2. ¹³C-NMR spectrum of **3c** (DMSO-*d*₆).

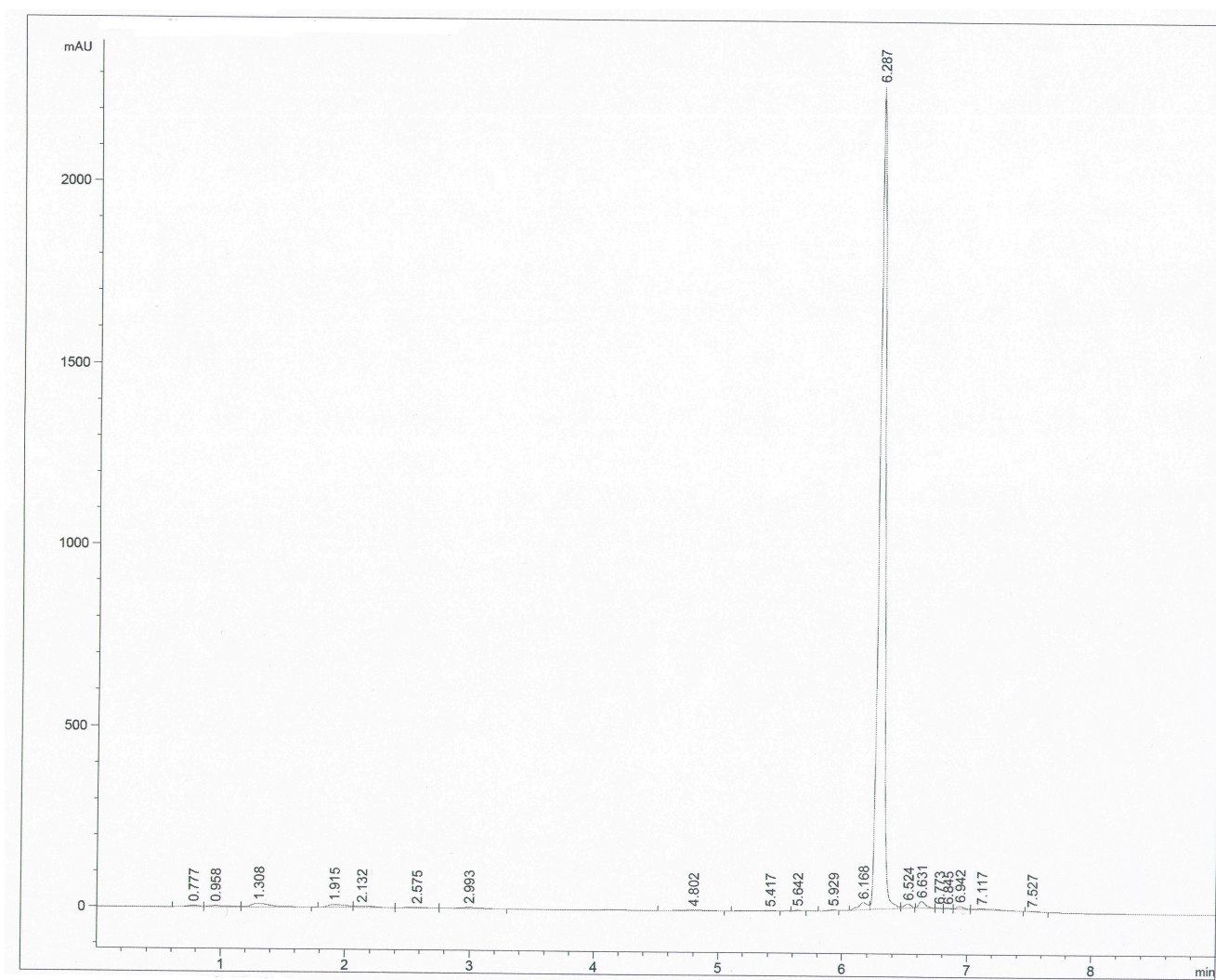


Figure S3. HPLC analysis of **3c**. Compound **3c** was analyzed by Agilent Technologies HPLC system and C18 reversed-phase HPLC column. Mobile phase consisted of a solvent mixture of methanol: 0.1% formic acid in the ratio 60:40 (v/v). The flow rate and test wavelength were 0.250 mL/min and 254 nm, respectively.

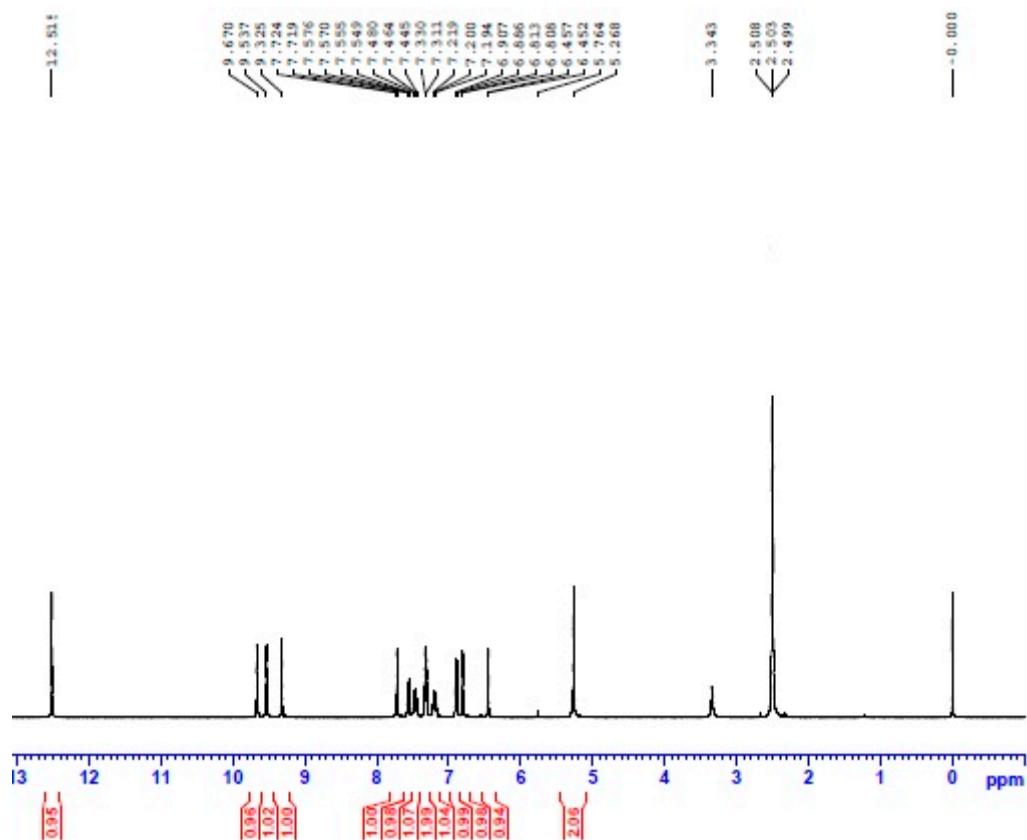


Figure S4. ¹H-NMR spectrum of **3h** (DMSO-*d*₆).

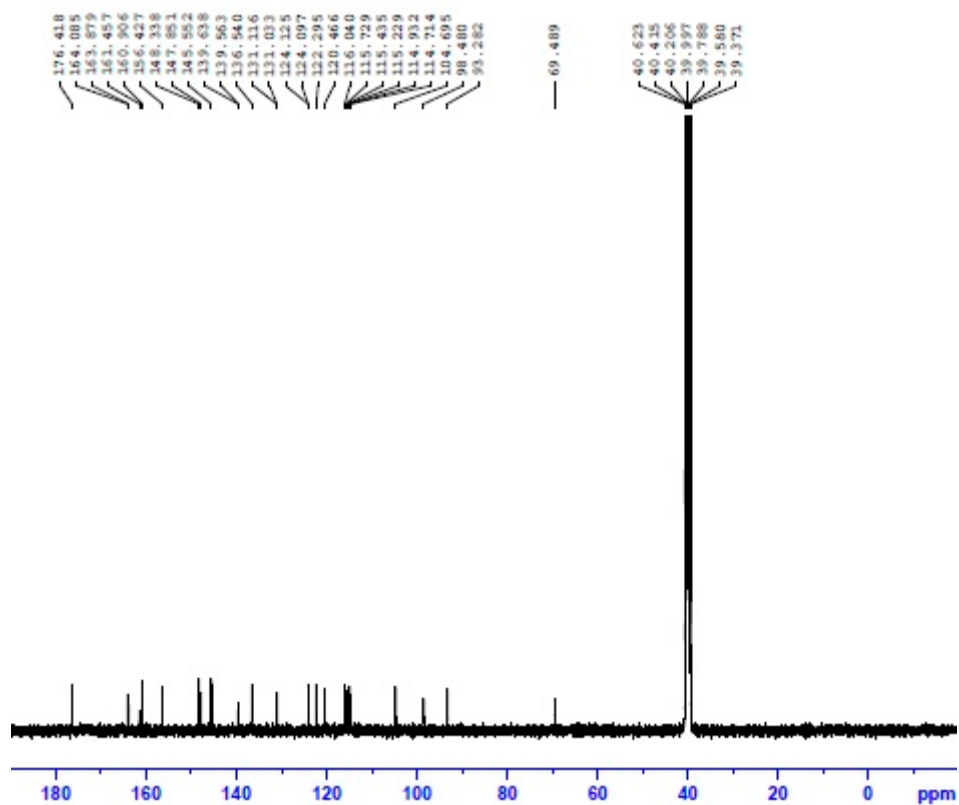


Figure S5. ¹³C-NMR spectrum of **3h** (DMSO-*d*₆).

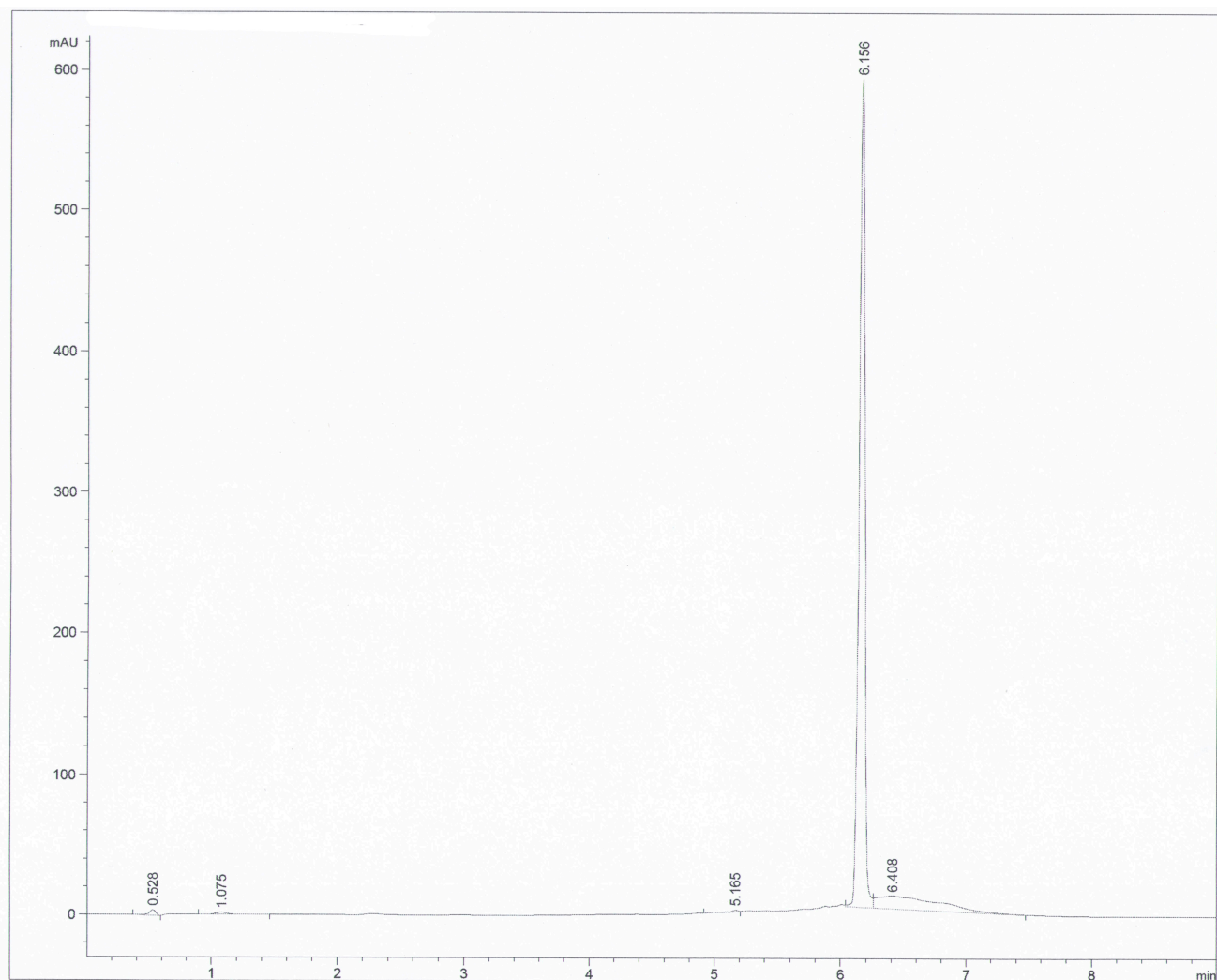


Figure S6. HPLC analysis of **3h**. Compound **3h** was analyzed by Agilent Technologies HPLC system and C18 reversed-phase HPLC column. Mobile phase consisted of a solvent mixture of methanol: 0.1% formic acid in the ratio 60:40 (v/v). The flow rate and test wavelength were 0.250 mL/min and 254 nm, respectively.

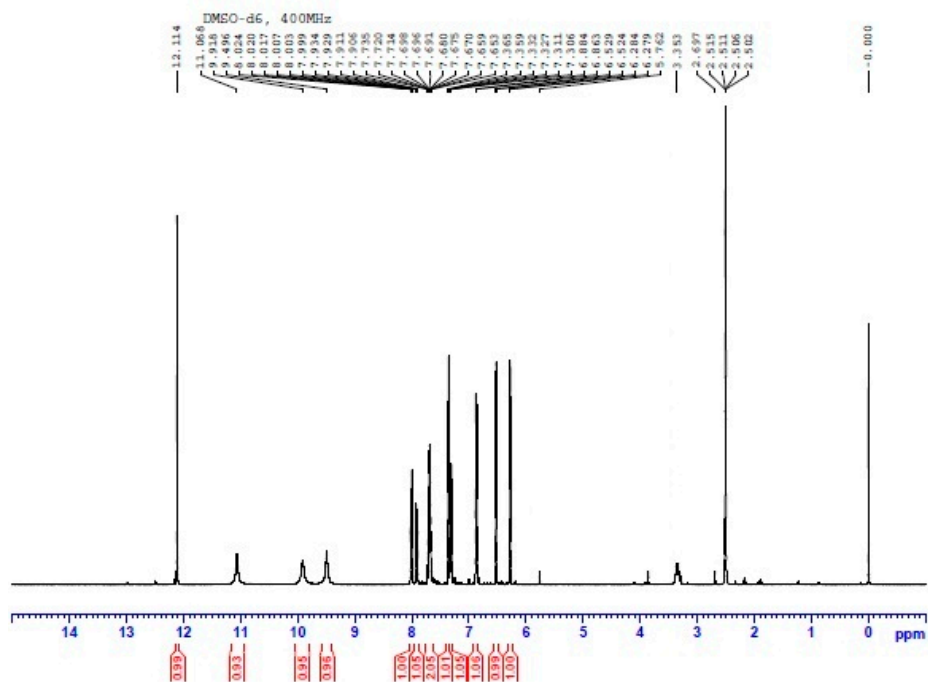


Figure 7. ^1H -NMR spectrum of **4f** (DMSO- d_6).

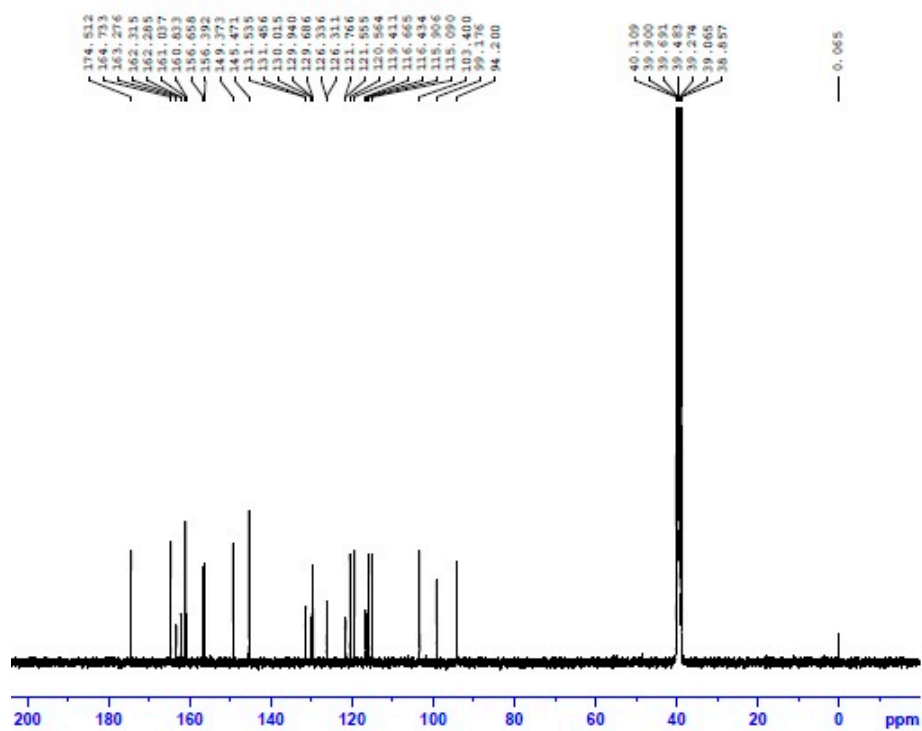


Figure S8. ^{13}C -NMR spectrum of **4f** (DMSO- d_6).

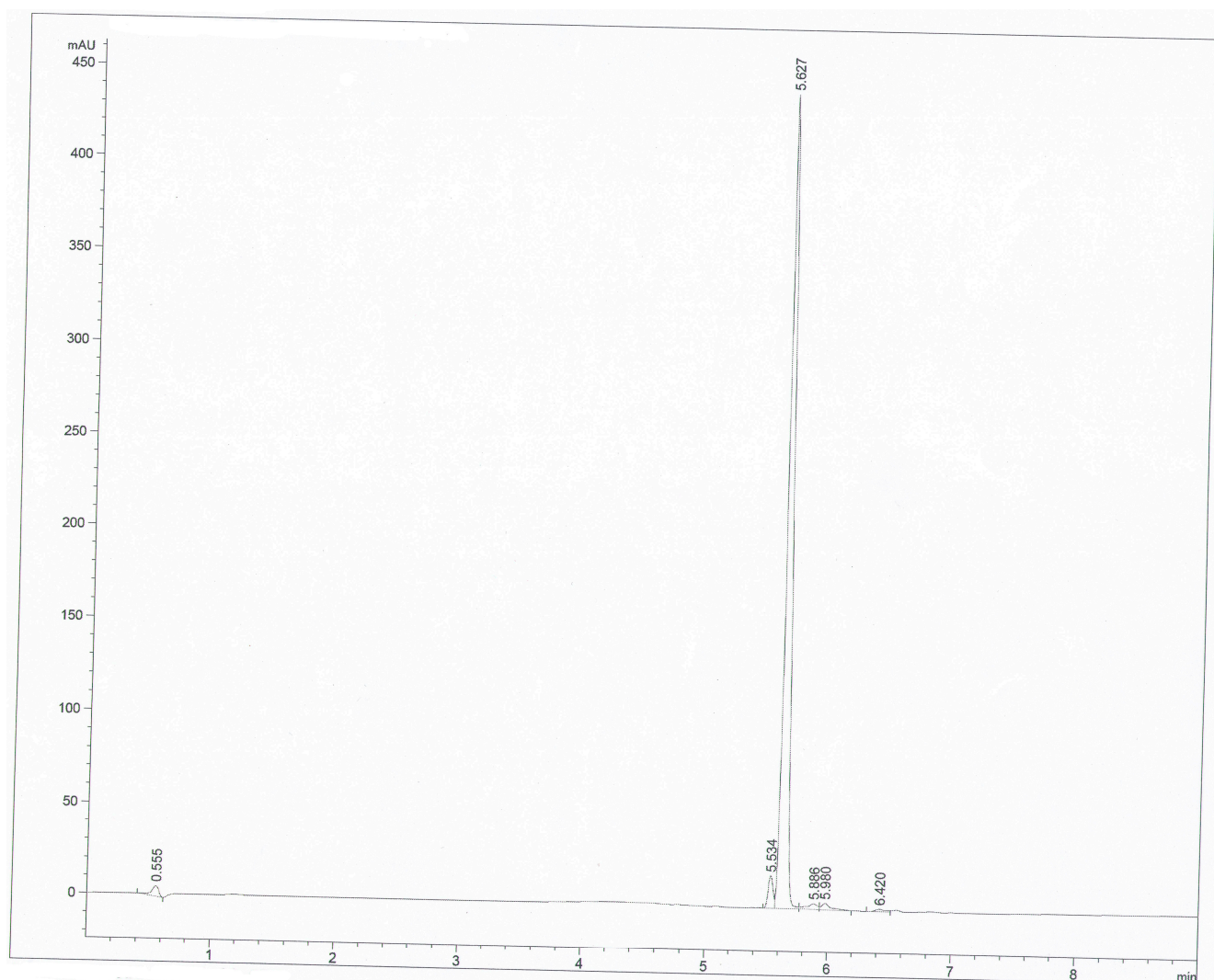


Figure S9. HPLC analysis of **4f**. Compound **4f** was analyzed by Agilent Technologies HPLC system and C18 reversed-phase HPLC column. Mobile phase consisted of a solvent mixture of methanol: 0.1% formic acid in the ratio 60:40 (v/v). The flow rate and test wavelength were 0.250 mL/min and 254 nm, respectively.

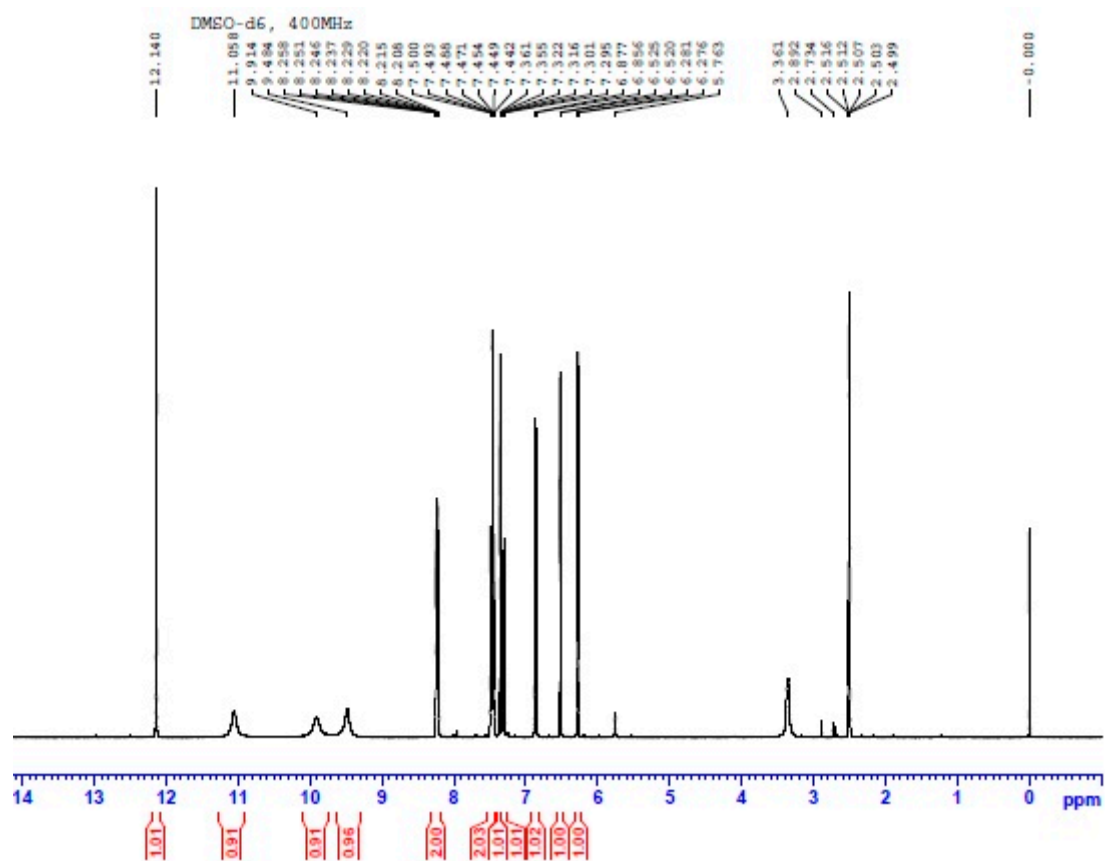


Figure S10. ^1H -NMR spectrum of **4k** ($\text{DMSO}-d_6$).

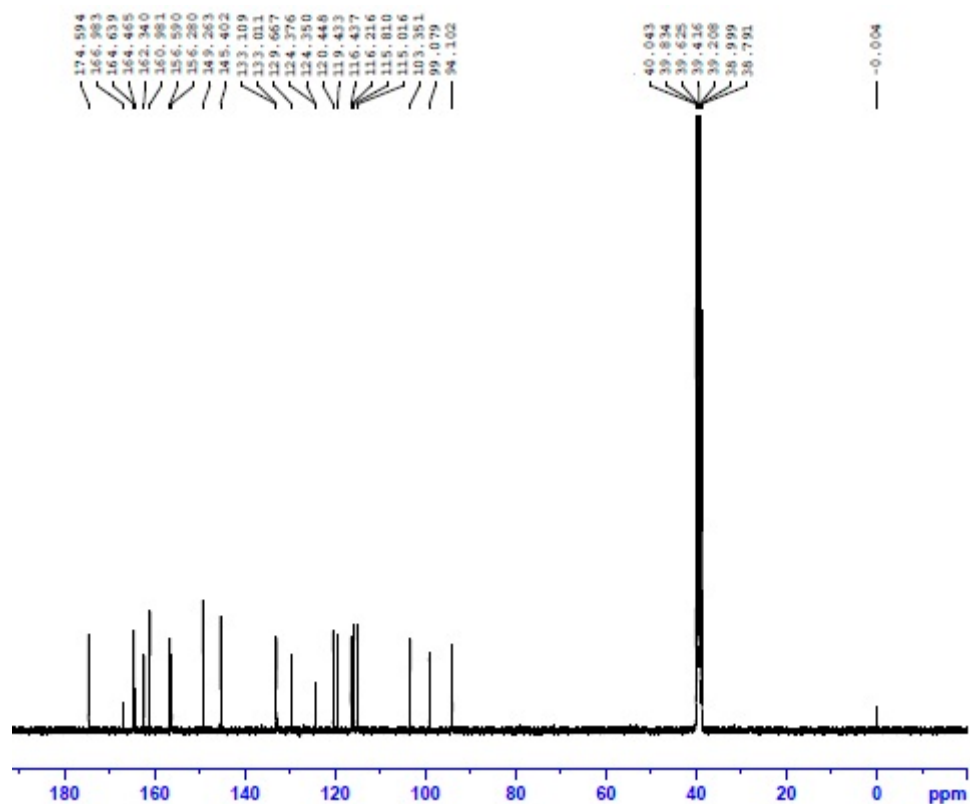


Figure S11. ^{13}C -NMR spectrum of **4k** ($\text{DMSO}-d_6$).

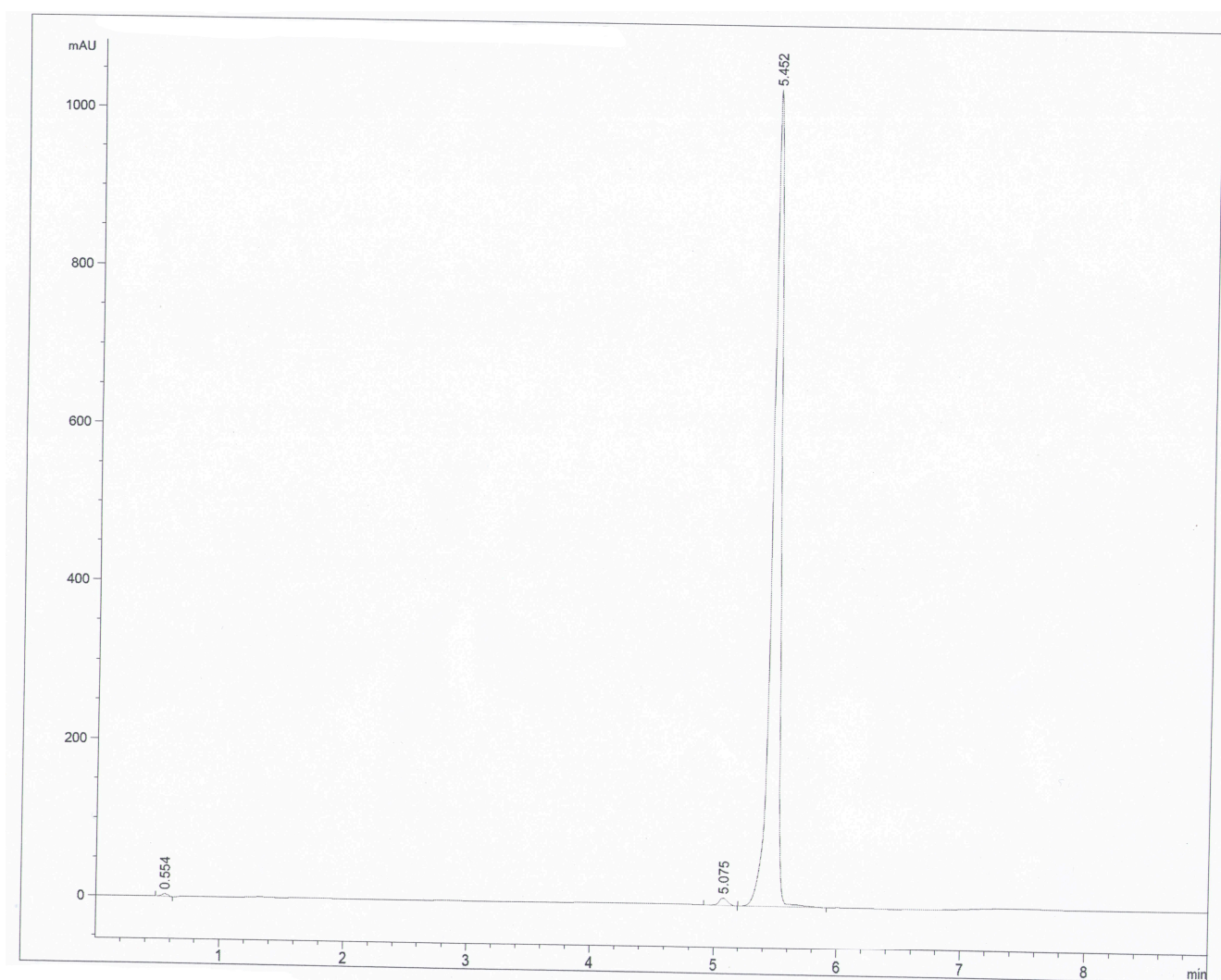


Figure S12. HPLC analysis of **4k**. Compound **4k** was analyzed by Agilent Technologies HPLC system and C18 reversed-phase HPLC column. Mobile phase consisted of a solvent mixture of methanol: 0.1% formic acid in the ratio 60:40 (v/v). The flow rate and test wavelength were 0.250 mL/min and 254 nm, respectively.