

Supplementary information

Isolation, biological evaluation and molecular docking studies of compounds from *Sophora mollis* (Royle) Graham ex Baker

Mohammed Mansour Quradha^{1, 9}, Rasool Khan¹, Achyut Adhikari², Abdur Rauf^{*3}, Umer Rashid⁴, Sami Bawazeer⁵, Yahya S. Al-Awthan^{6,7}, Omar Bahattab⁶, Mohammad S. Mubarak⁸

¹Institute of Chemical Sciences, University of Peshawar, Peshawar-25120, Pakistan;

² Central Department of Chemistry, Tribhuvan University, Kirtipur Kathmandu, Nepal

³Department of Chemistry, University of Swabi, Anbar 23430, Khyber Pakhtunkhwa, Pakistan

⁴Department of Chemistry, COMSATS University Islamabad, Abbottabad Campus, 22060 Abbottabad, Pakistan

⁵Pharmacognosy Department, College of Pharmacy, Umm Al-Qura University, Makkah, Saudi Arabia⁶Department of Biology, Faculty of Sciences, University of Tabuk, Tabuk, Saudia Arabia

⁷Department of Biology, Faculty of Science, Ibb University, Ibb, Yemen

⁸Department of Chemistry, The University of Jordan, Amman 11942, Jordan

⁹Faculty of Medical Sciences & Health, AL-Saeed University, Taiz, Yemen

Corresponding Authors

* Abdur Rauf ; (mashaljcs@yahoo.com)

Spectroscopic data of compounds (**1-5**) isolated from *Sophora mollis*

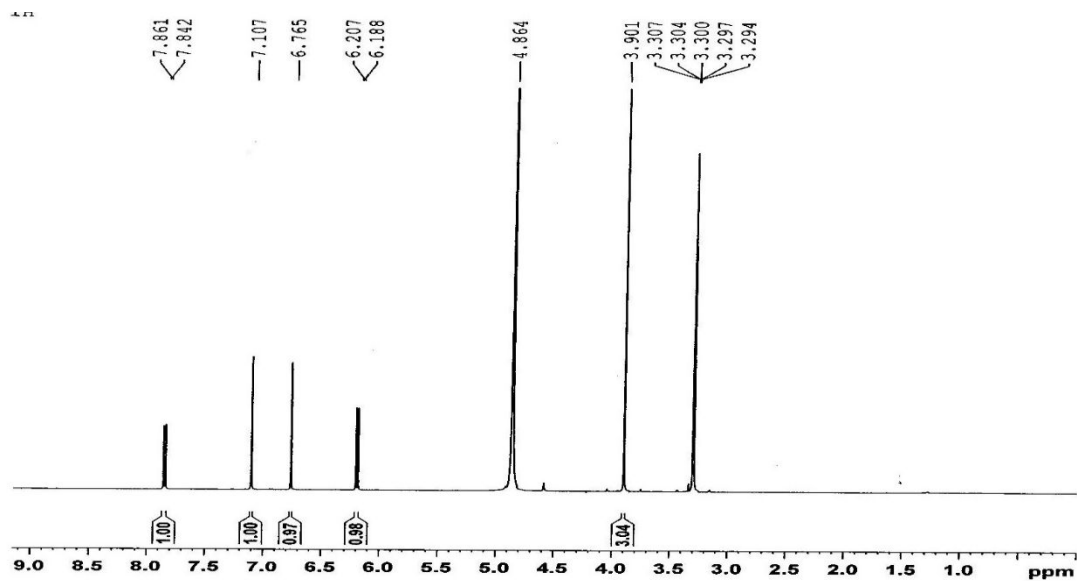


Figure S1: ¹H NMR spectrum of compound **1**

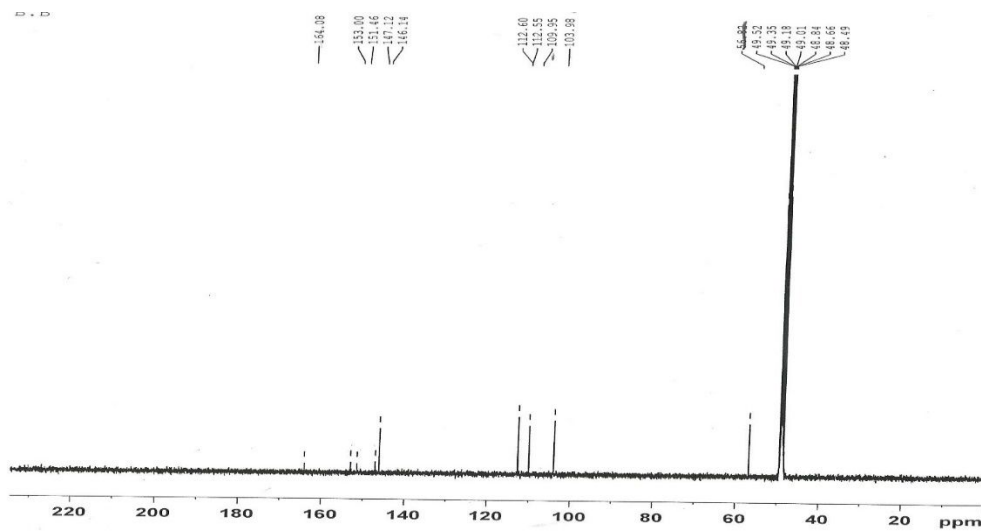
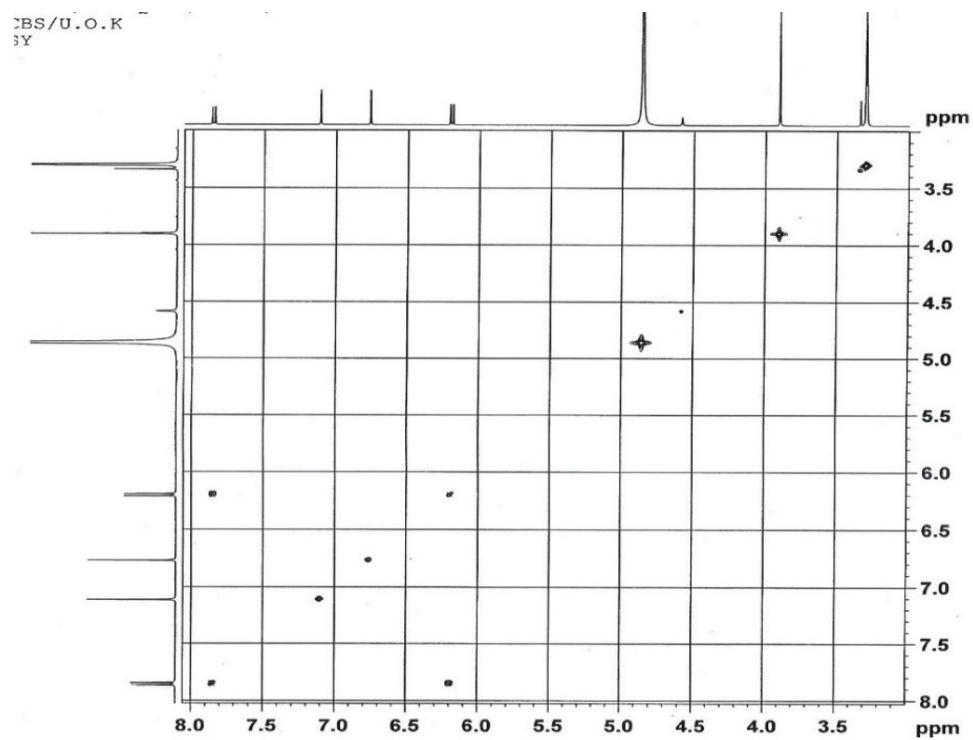
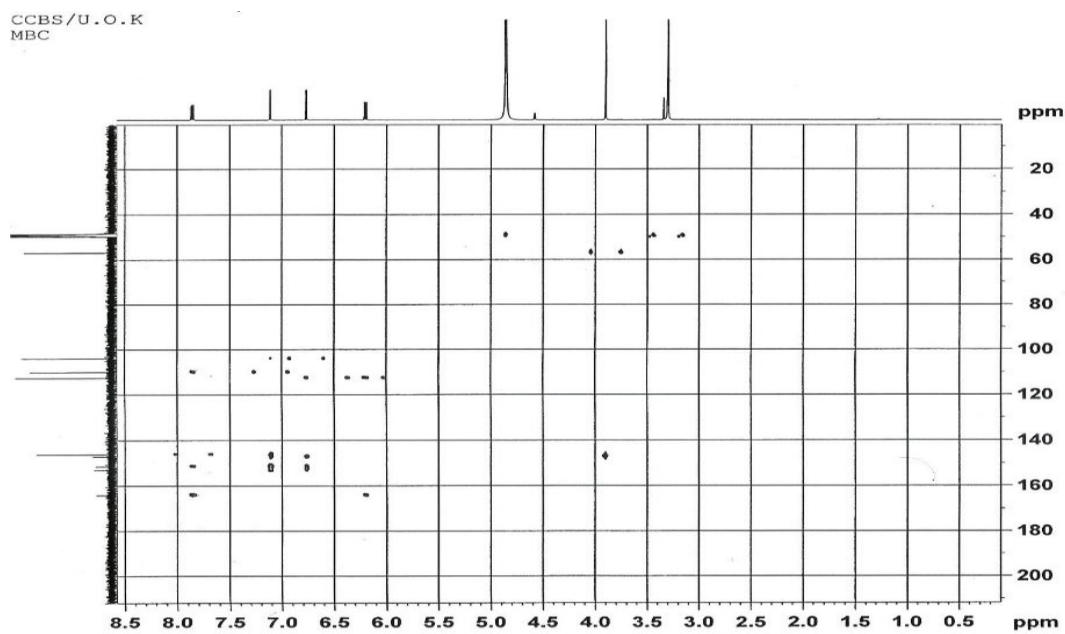


Figure S2: ¹³C NMR spectrum of compound **1**

Figure S3: COSY spectrum of compound **1**Figure S4: HMBC spectrum of compound **1**

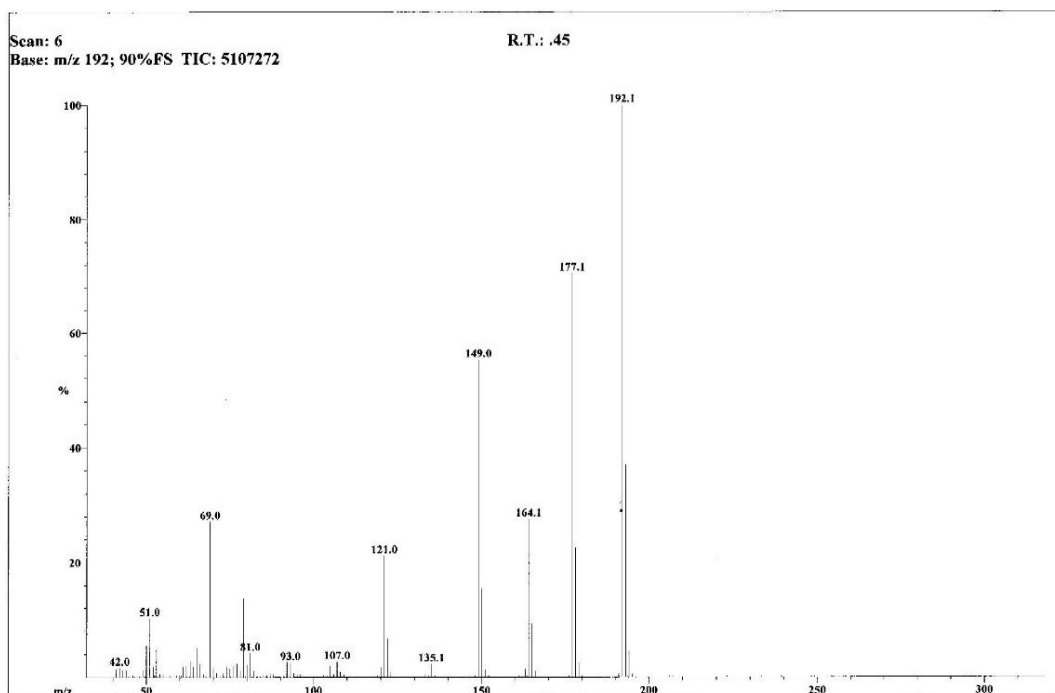
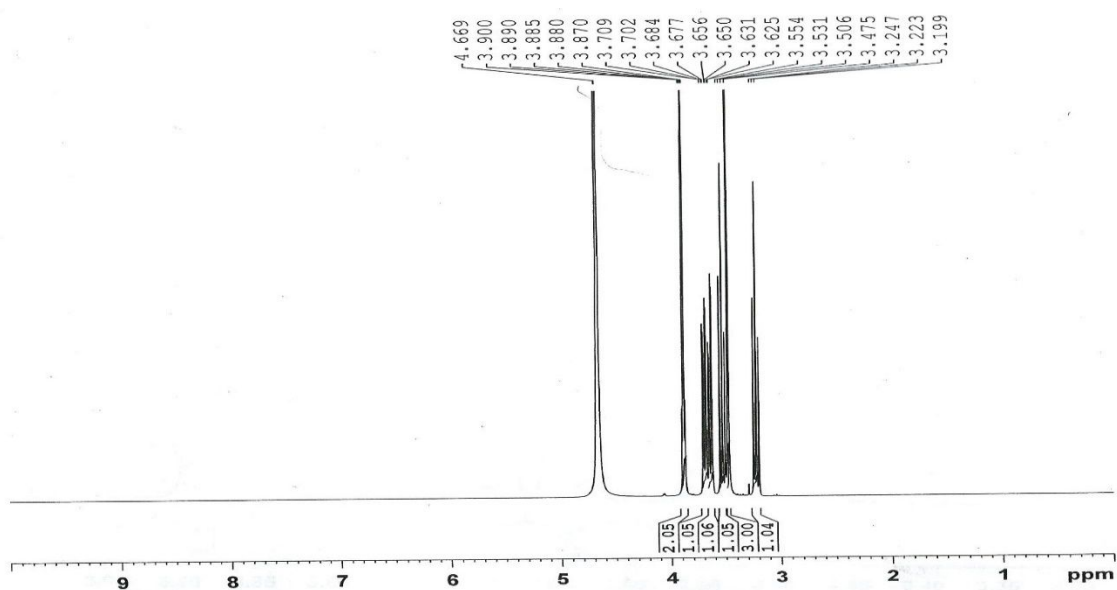


Figure S5: Mass spectrum of compound 1

Figure S6: ^1H NMR spectrum of compound 2

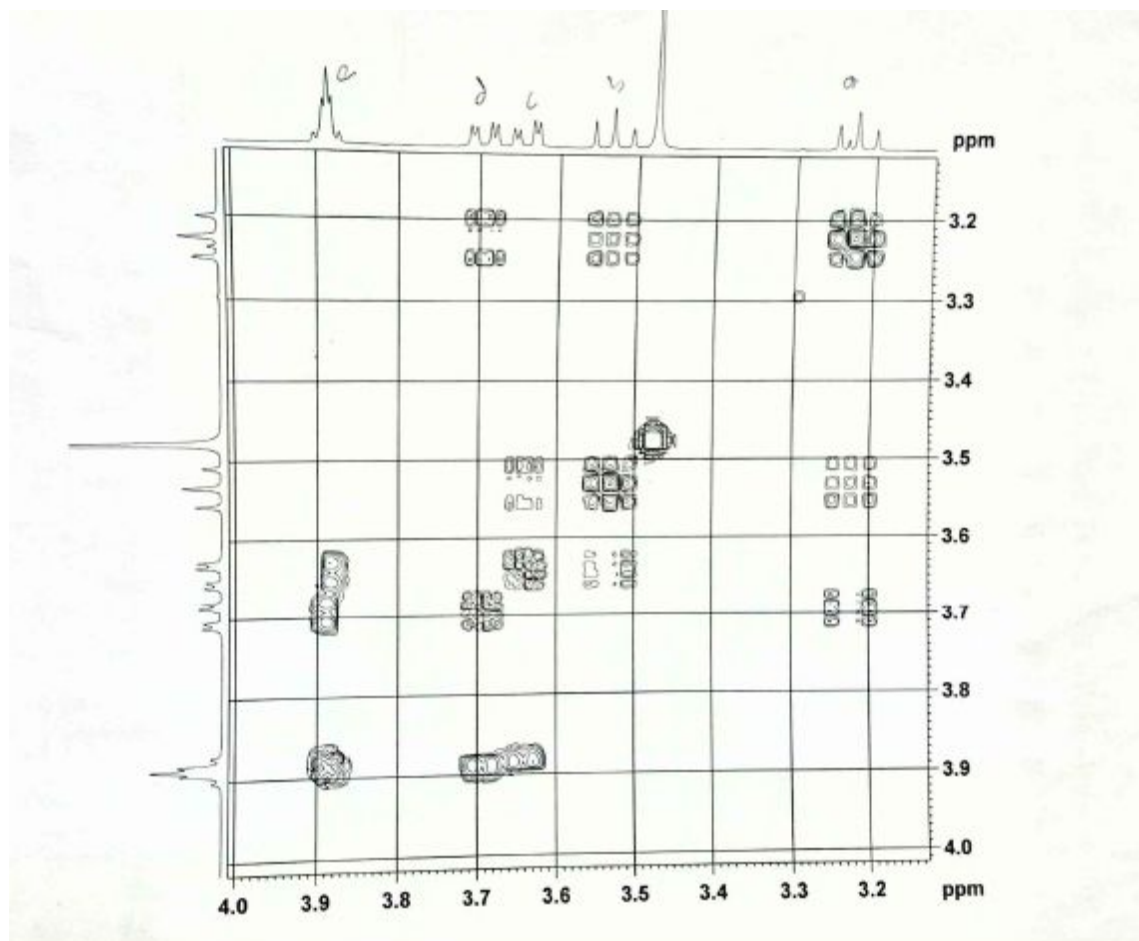


Figure S7: COSY spectrum of compound 2

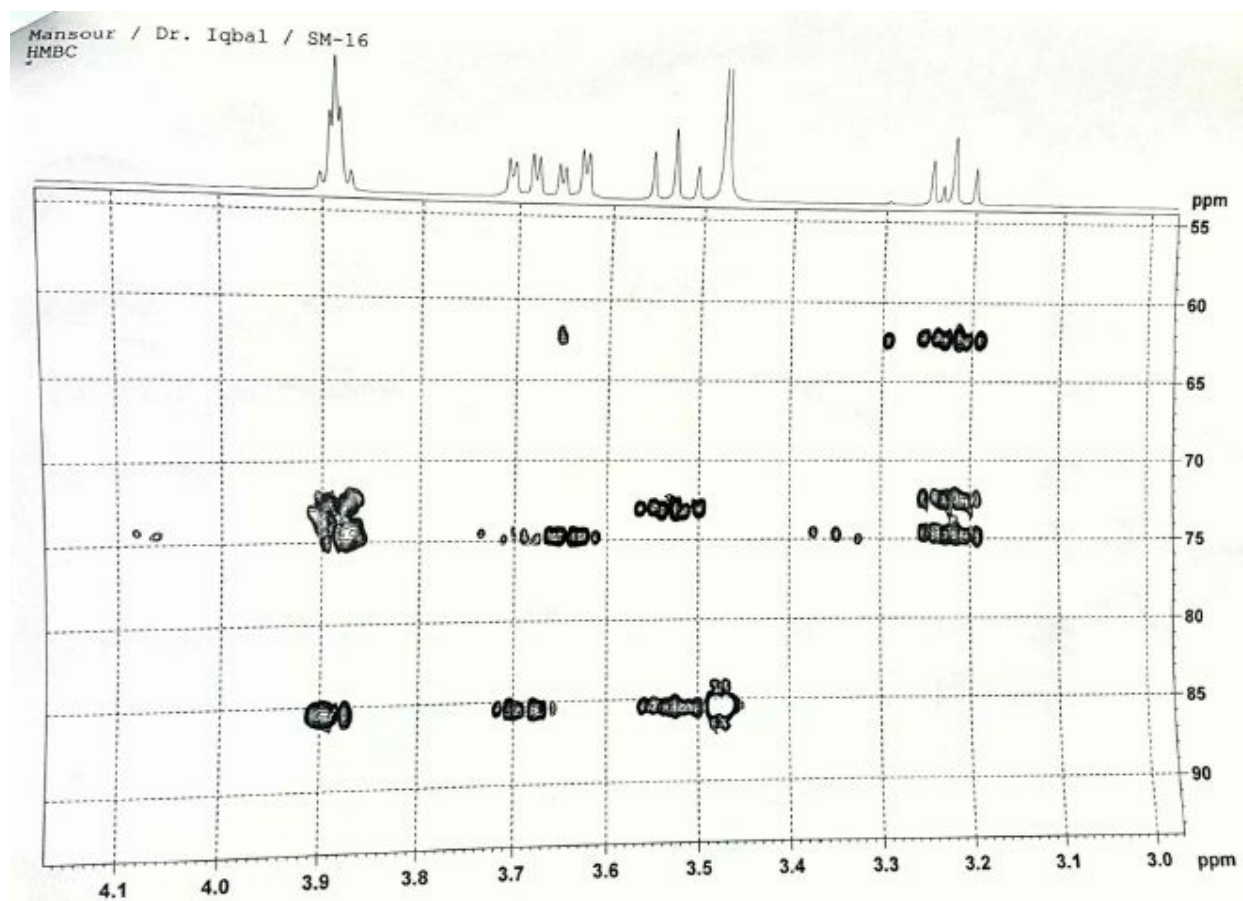


Figure S8: HMBC Spectrum of compound 2

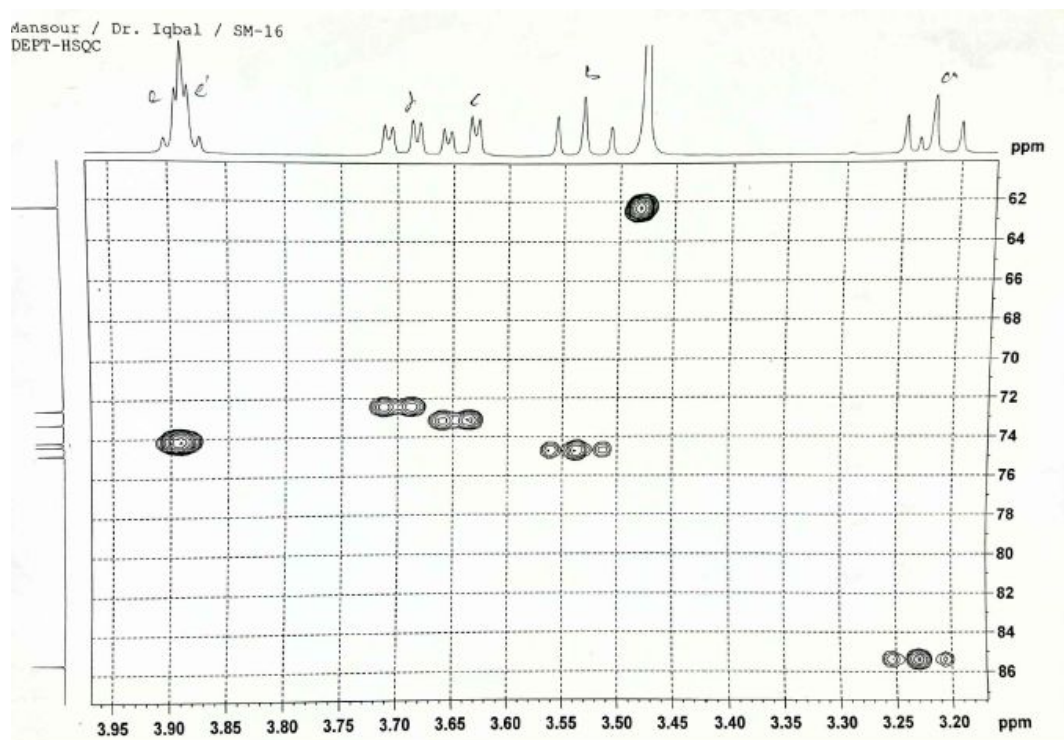


Figure S9: DEPT-HSQC Spectrum of compound **2**

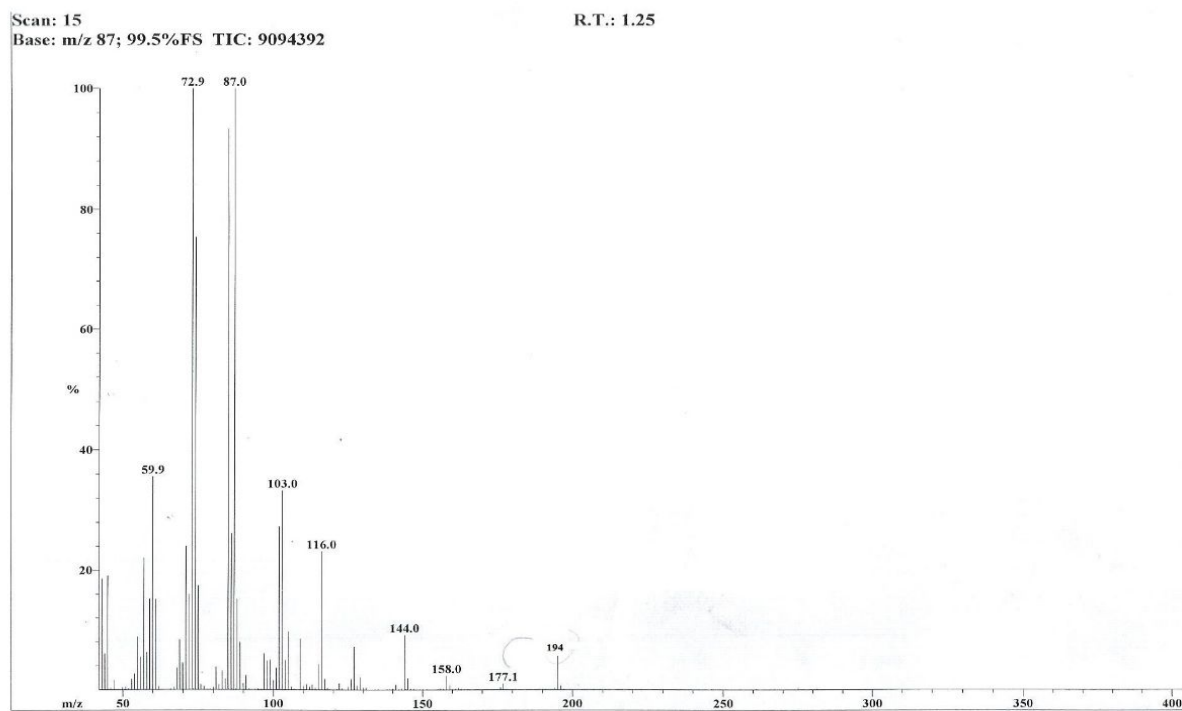


Figure S10: Mass spectrum of compound 2

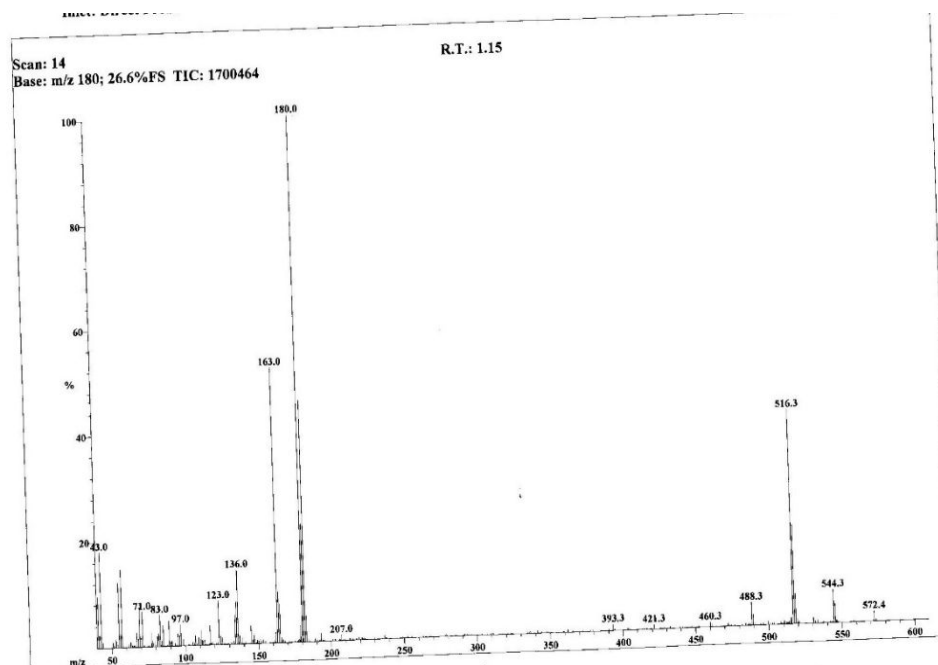
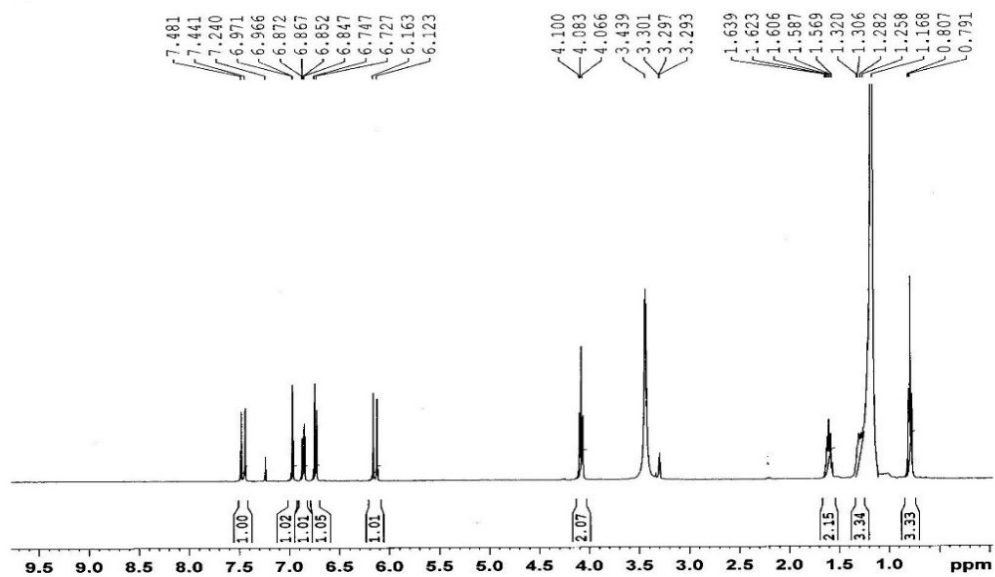
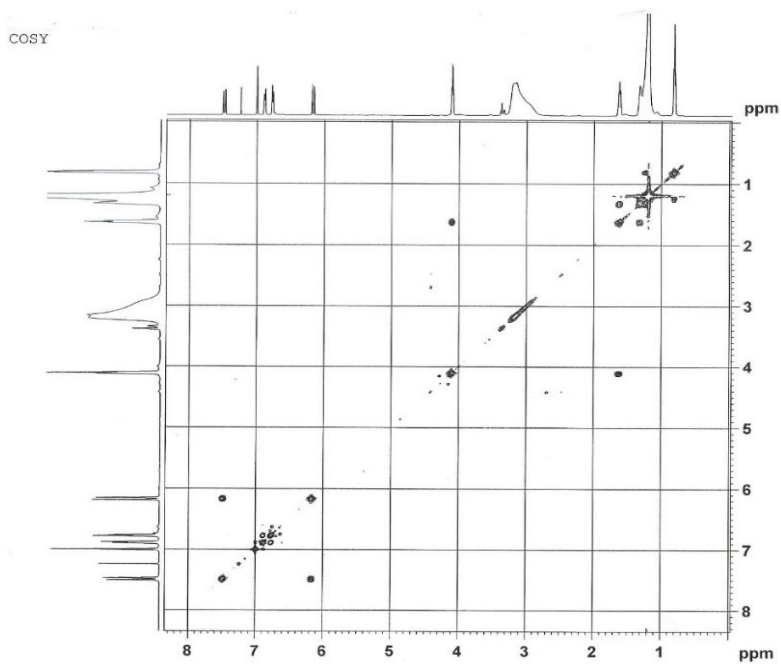
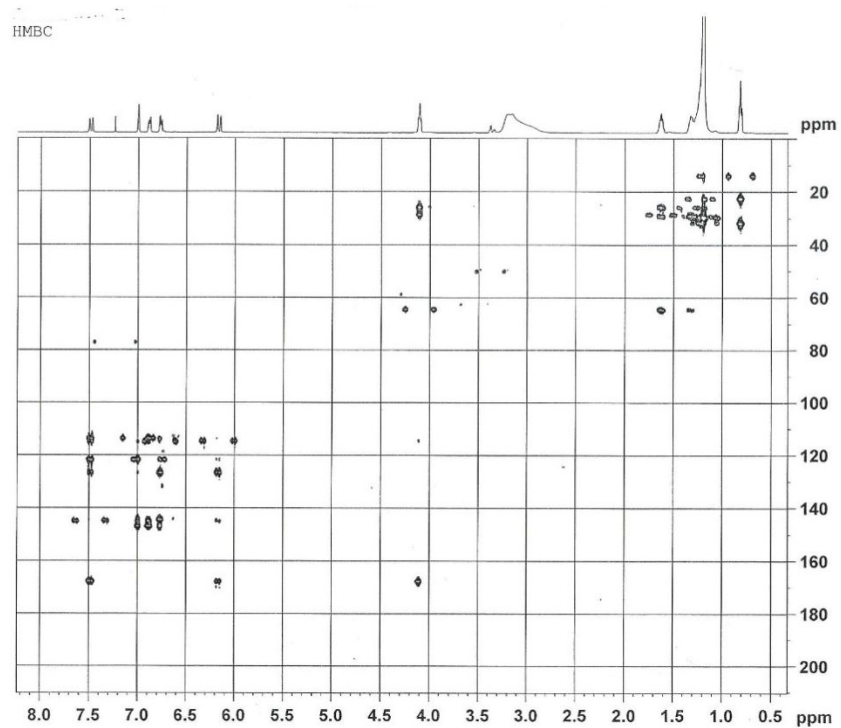
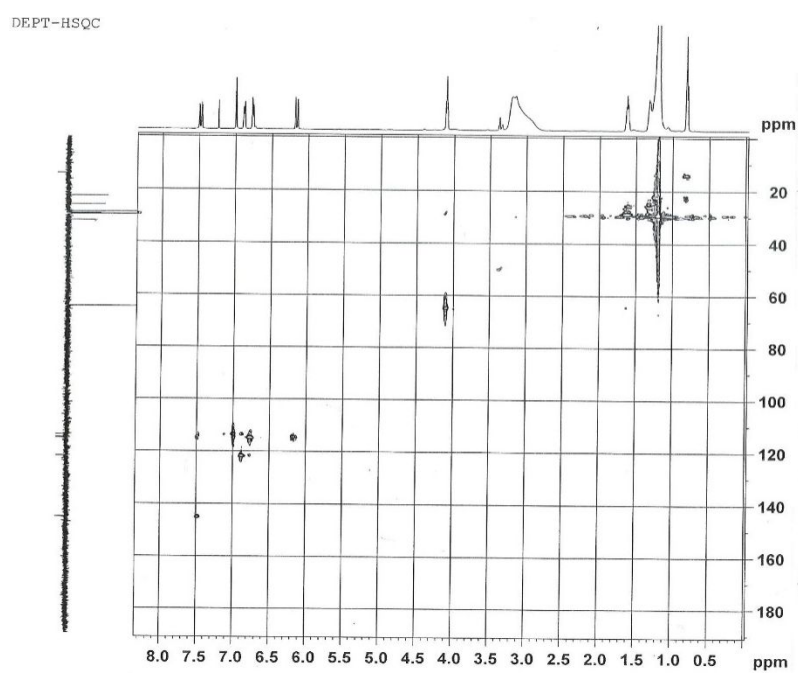


Figure S11: Mass spectrum of spectrum of compound 3

Figure S12: ¹H NMR Spectrum of compound **3**Figure S13: COSY spectrum of spectrum of compound **3**

Figure S14: HMBC spectrum of spectrum of compound **3**Figure S15: DEPT-HSQC spectrum of compound **3**

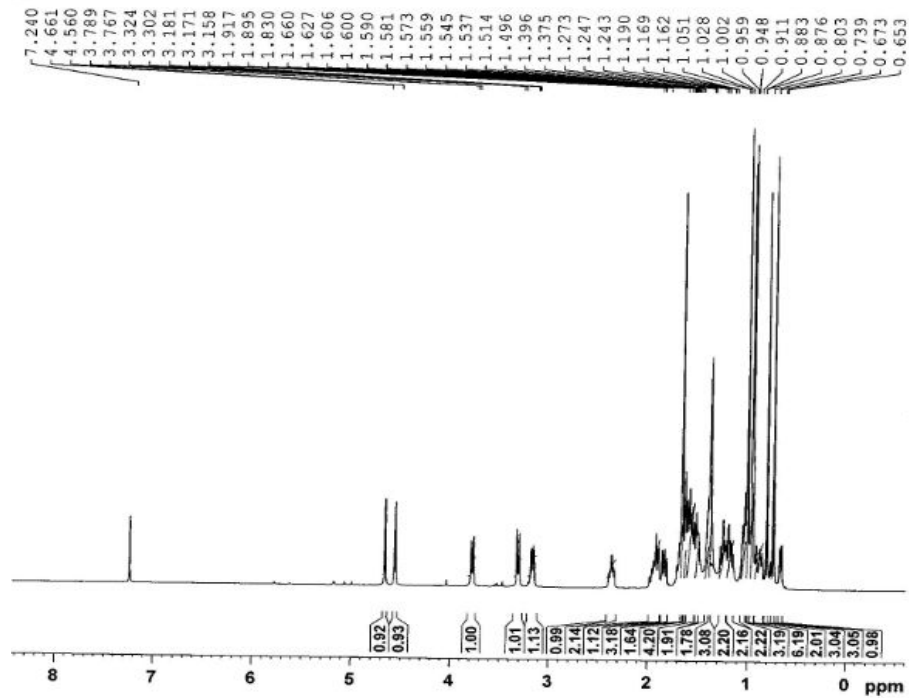
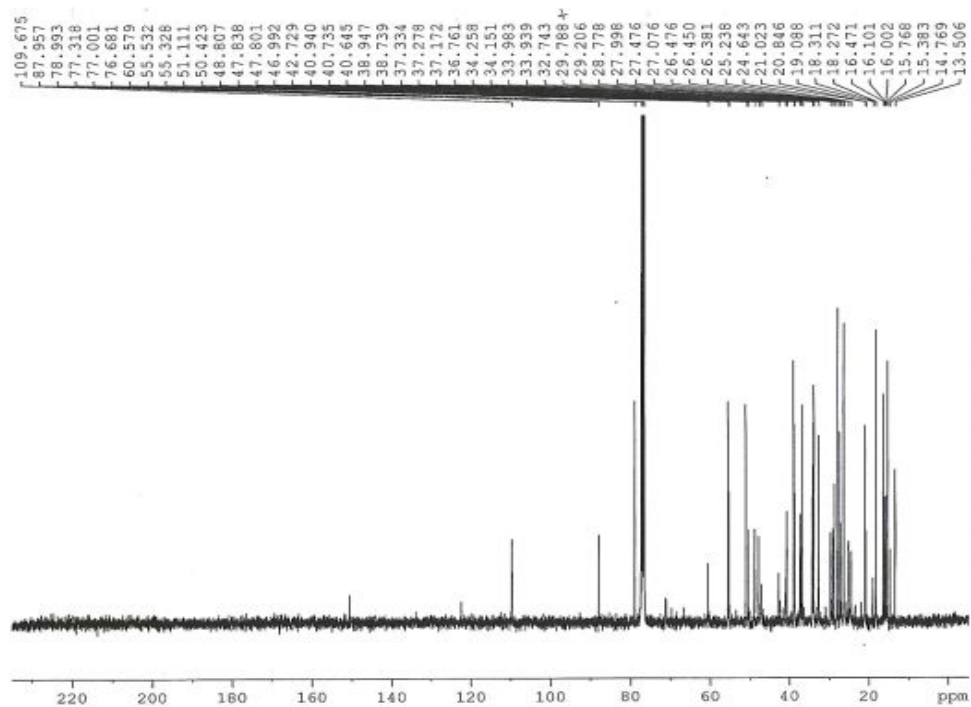
Figure S16: ¹H NMR spectrum of compound 4

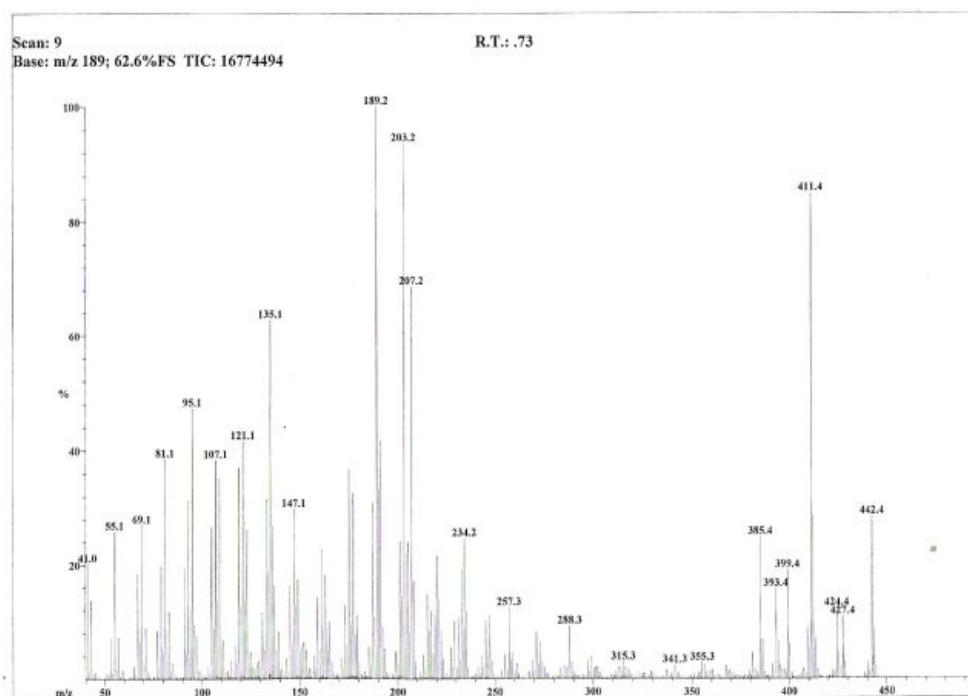
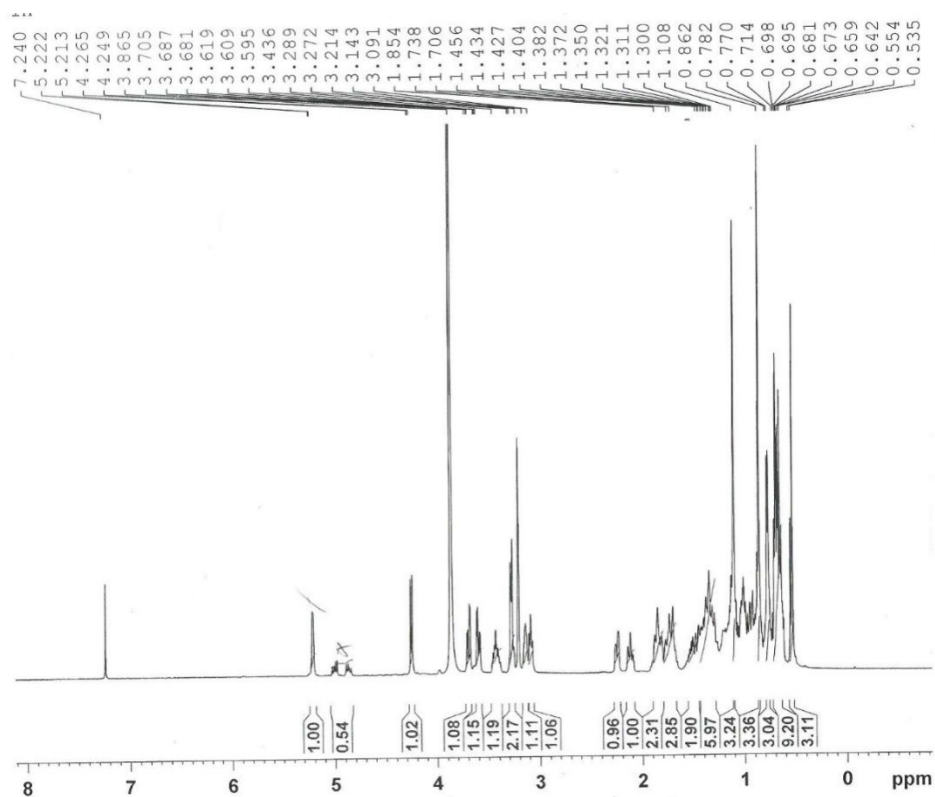
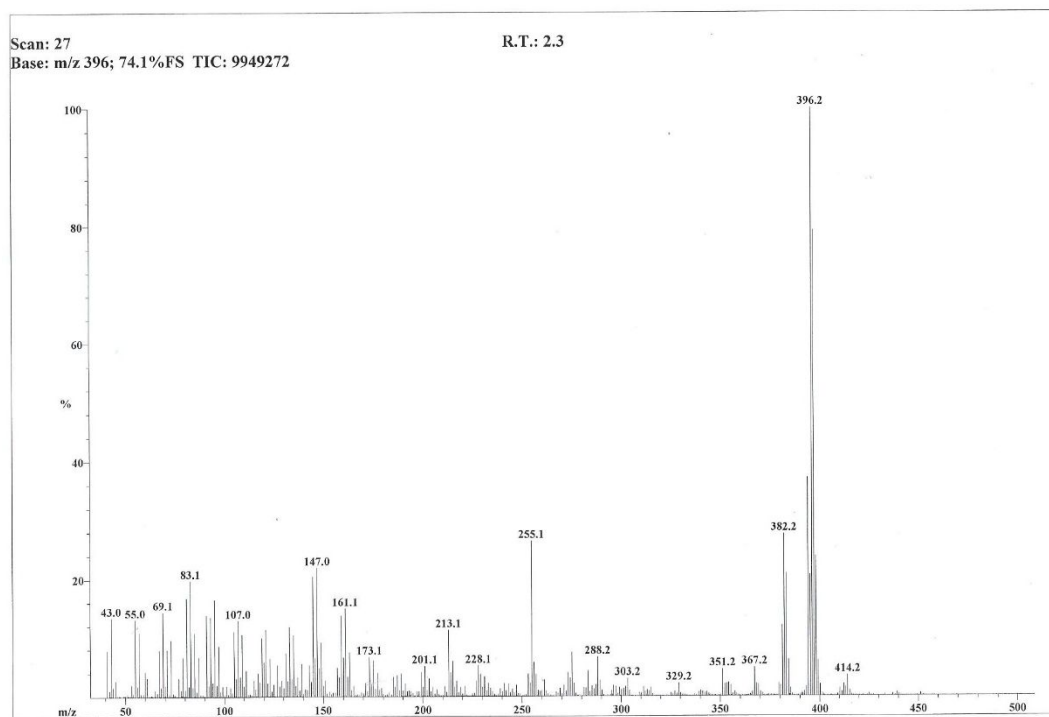
Figure S17: ^{13}C NMR spectrum of compound 4

Figure S18: Mass spectrum of compound 4

Figure S19: ^1H NMR spectrum of compound **5**Figure S20: Mass spectrum of compound **5**

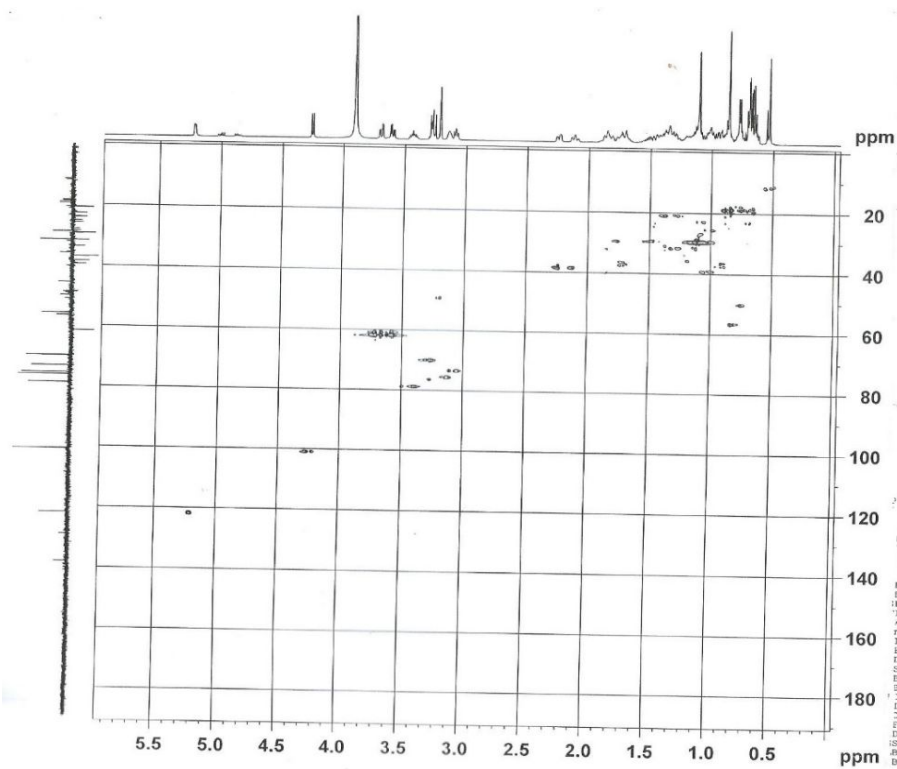


Figure S21: DEPT-HSQC spectrum of compound 5

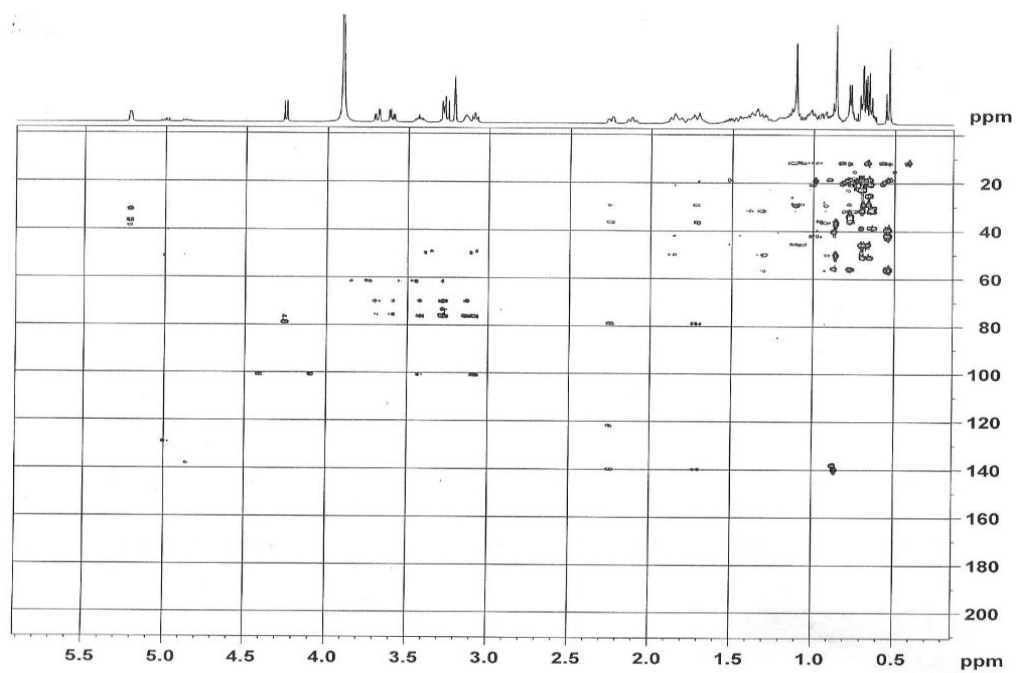


Figure S22: HMBC spectrum of compound 5