

Ethyne functionalized meso-phenothiazinyl-phenyl-porphyrins: synthesis and optical properties of free base versus protonated species.

Eva Molnar¹, Emese Gál^{1*}, Luiza Gaina¹, Castelia Cristea^{1*} and
Luminita Silaghi-Dumitrescu¹

Table of contents:

NMR spectra of compounds **2a**, **3a**, **2c**, **3c**, **4a**

HRMS spectra of compounds **3a**, **2c**, **3c**, **5a**

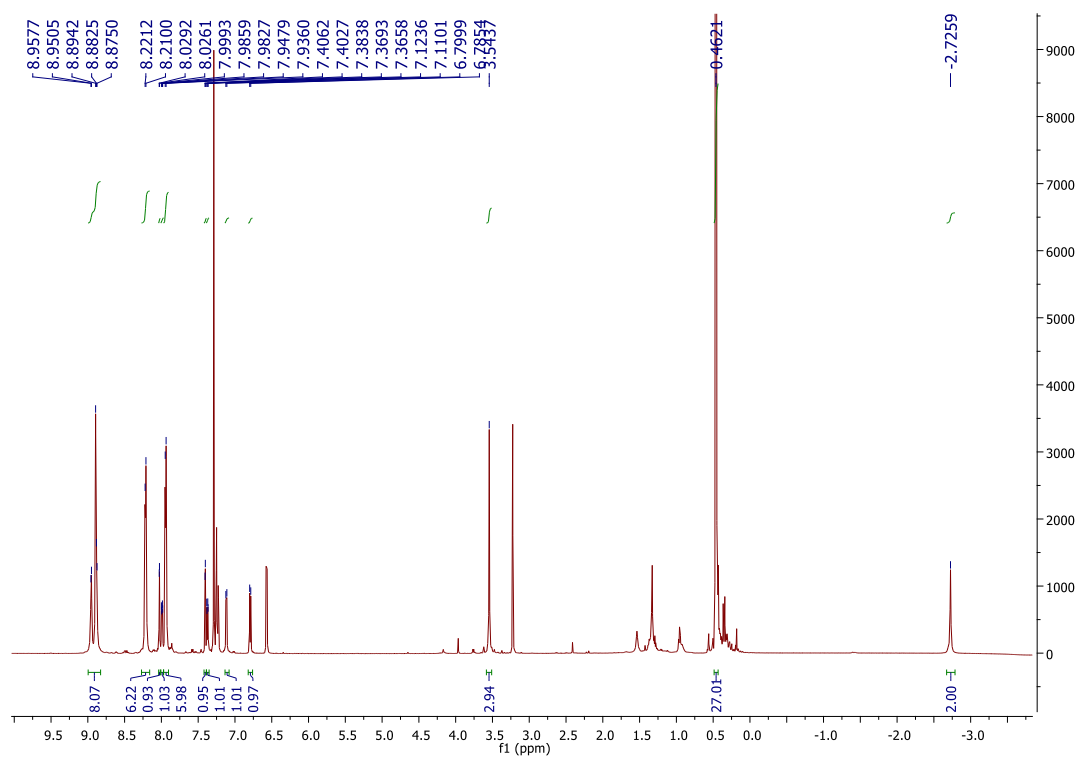


Figure S1. ¹H-NMR spectrum of compound **2a** (CDCl₃, 600 MHz)

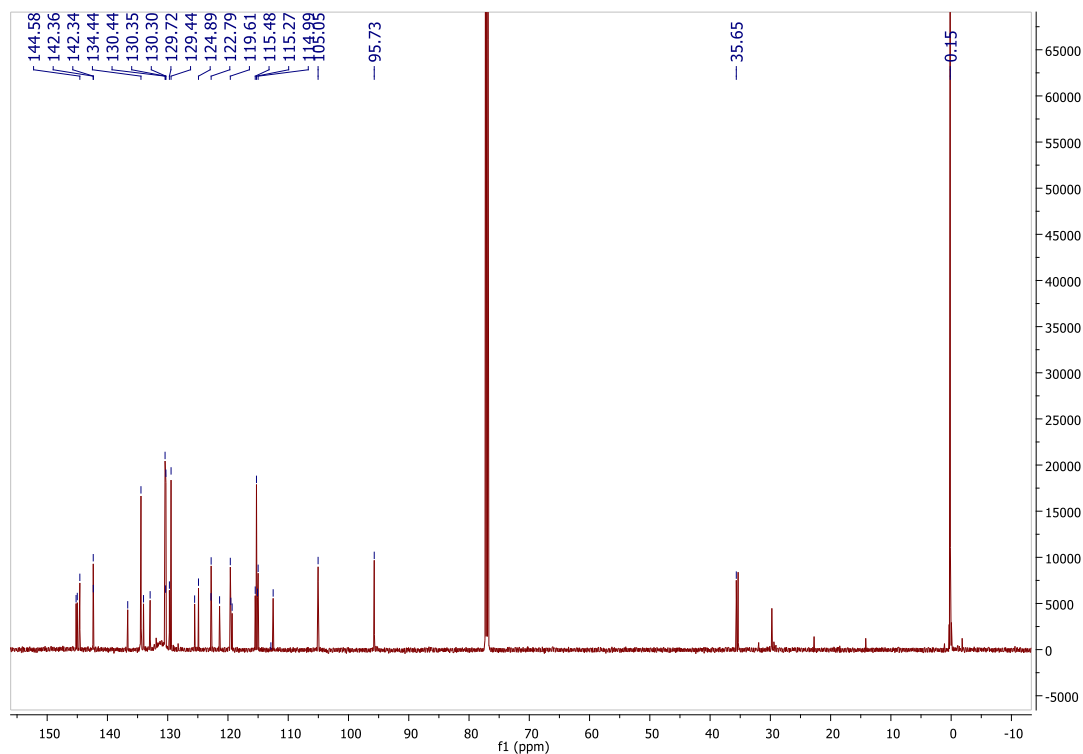


Figure S2. ^{13}C -NMR spectrum of compound **2a** (CDCl_3 , 150 MHz)

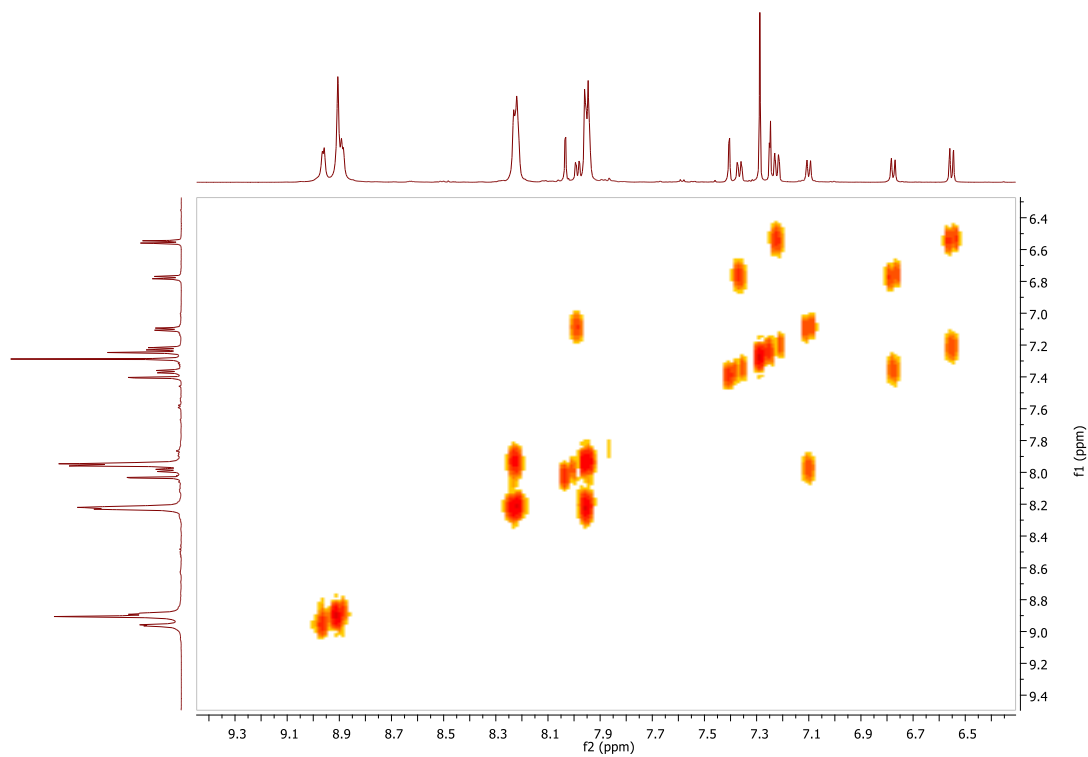


Figure S3. (^1H - ^1H) COSY spectrum of compound **2a** (aromatic part, CDCl_3)

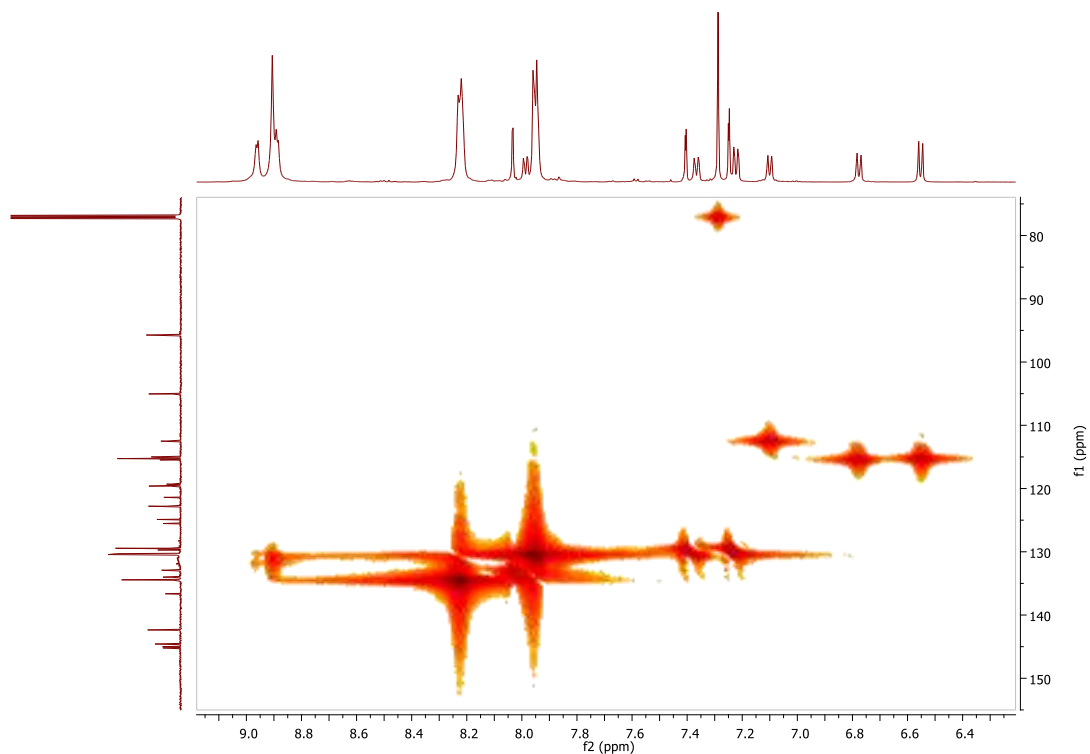


Figure S4. (^1H - ^{13}C) HMQC spectrum of compound **2a** (aromatic part, CDCl_3)

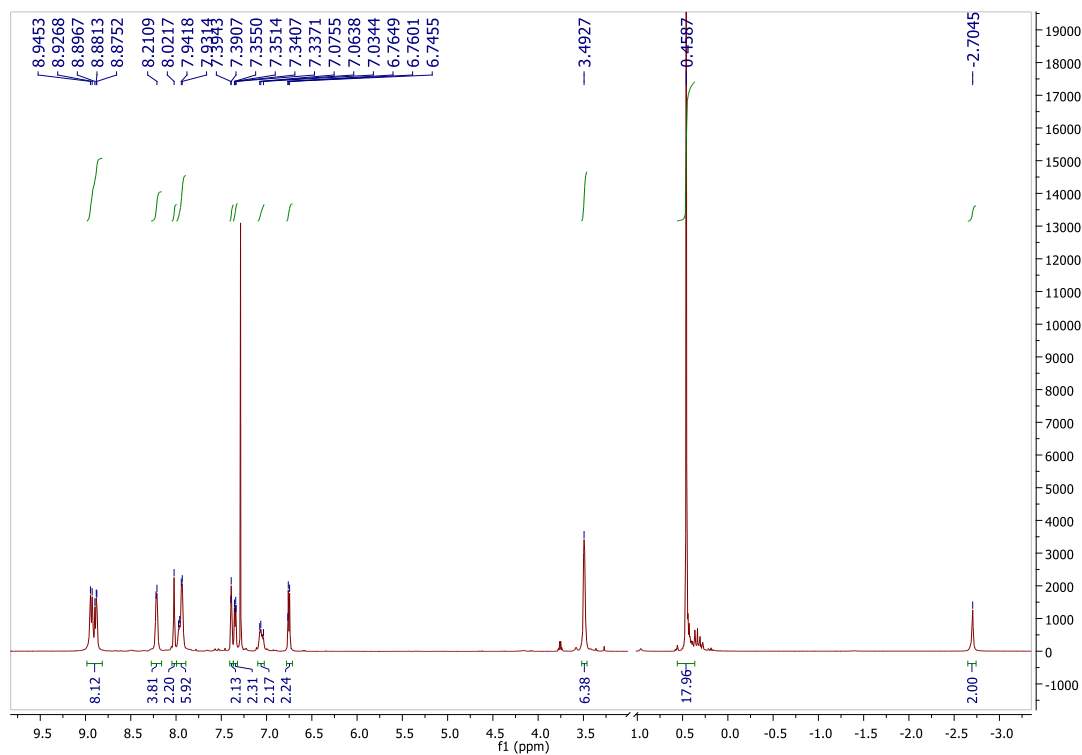


Figure S5. ^1H -NMR spectrum of compound **3a** (CDCl_3 , 600 MHz)

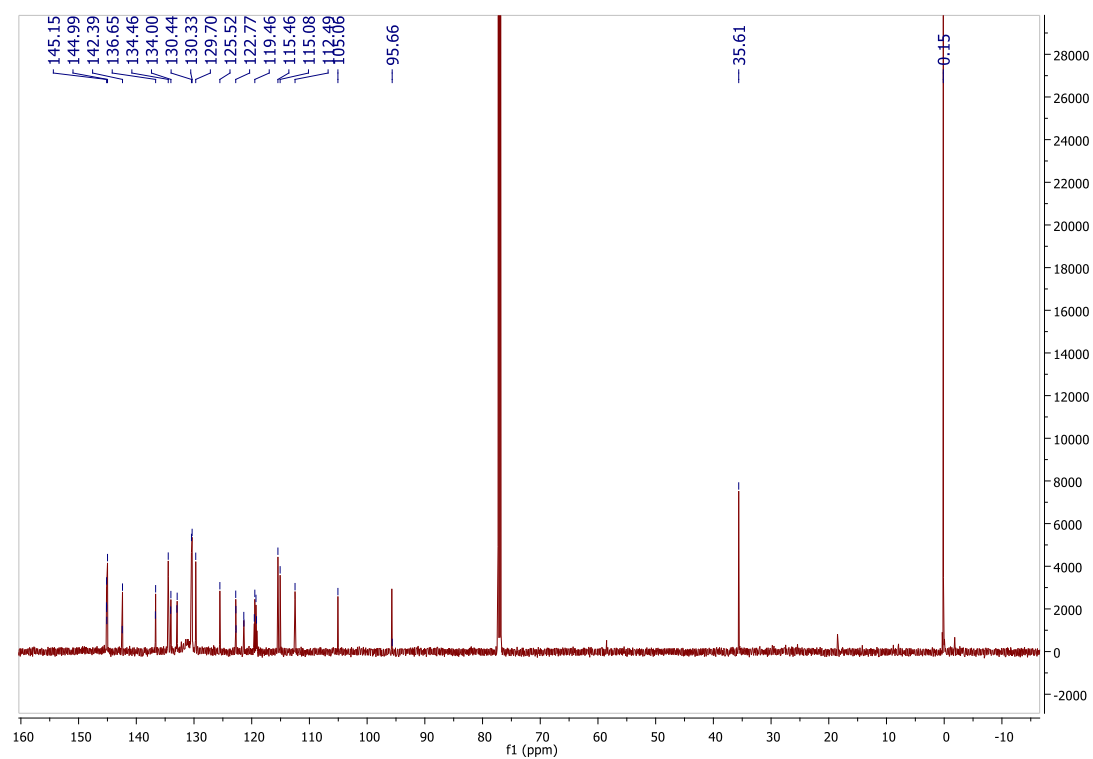


Figure S6. ¹³C-NMR spectrum of compound **3a** (CDCl₃, 150 MHz)

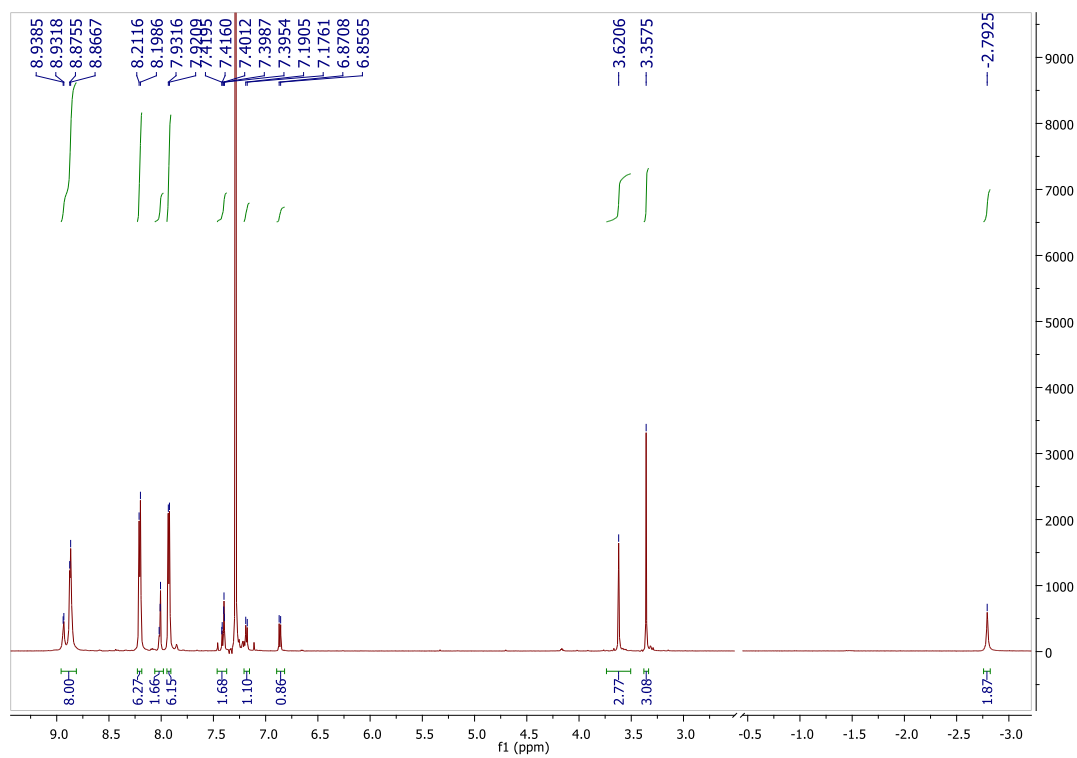


Figure S7. ¹H-NMR spectrum of compound **2c** (CDCl₃, 600 MHz)

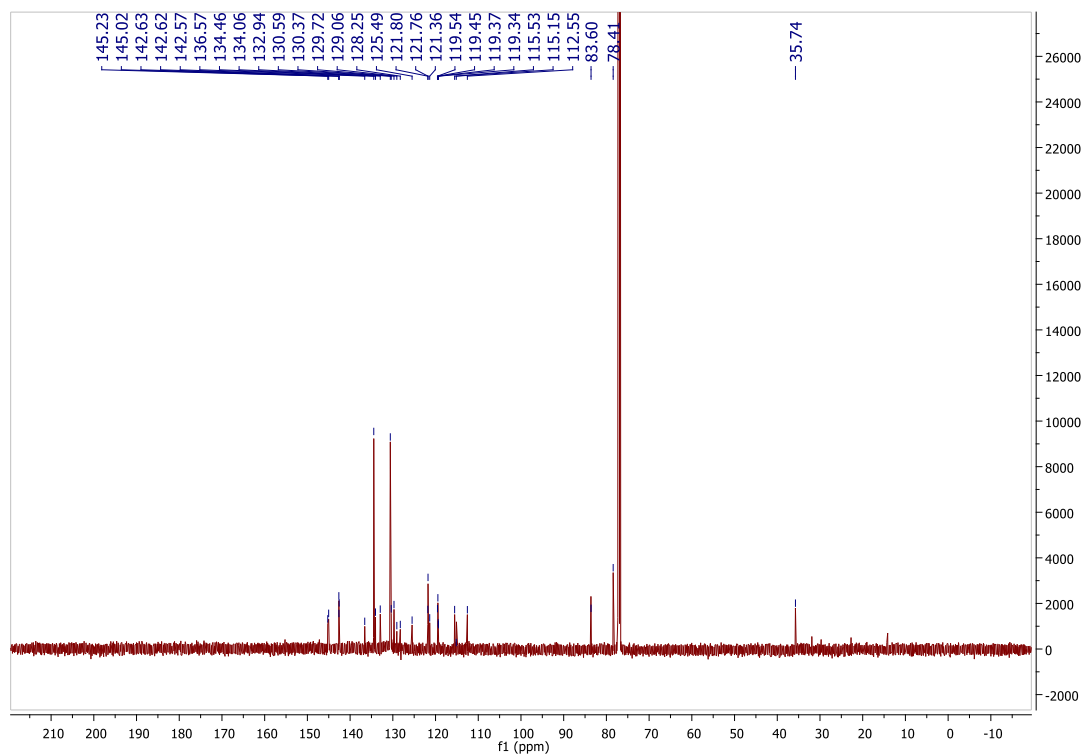


Figure S8. ¹³C-NMR spectrum of compound **2c** (CDCl₃, 150 MHz)

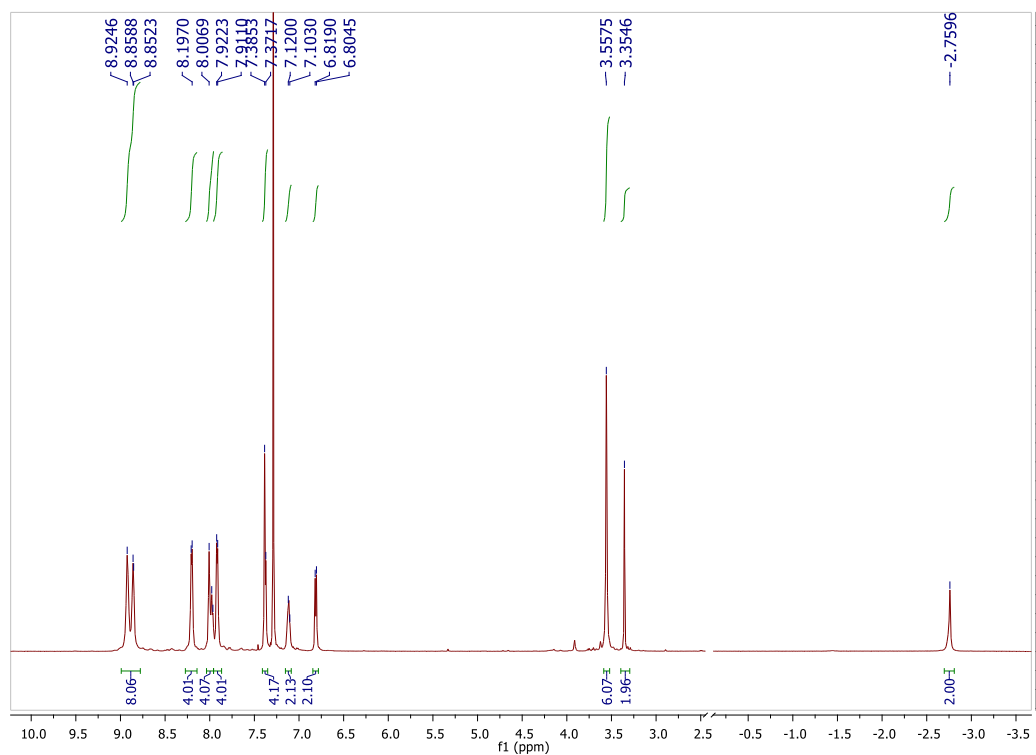


Figure S9. ¹H-NMR spectrum of compound **3c** (CDCl₃, 600 MHz)

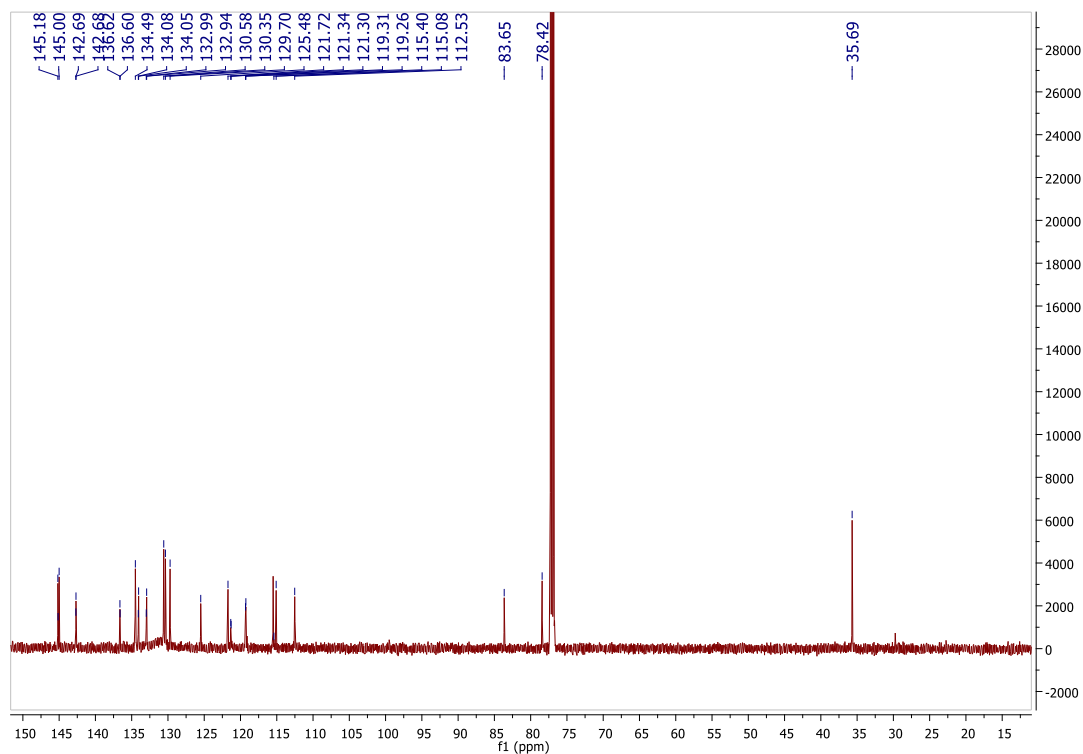


Figure S10. ^{13}C -NMR spectrum of compound **3c** (CDCl_3 , 150 MHz)

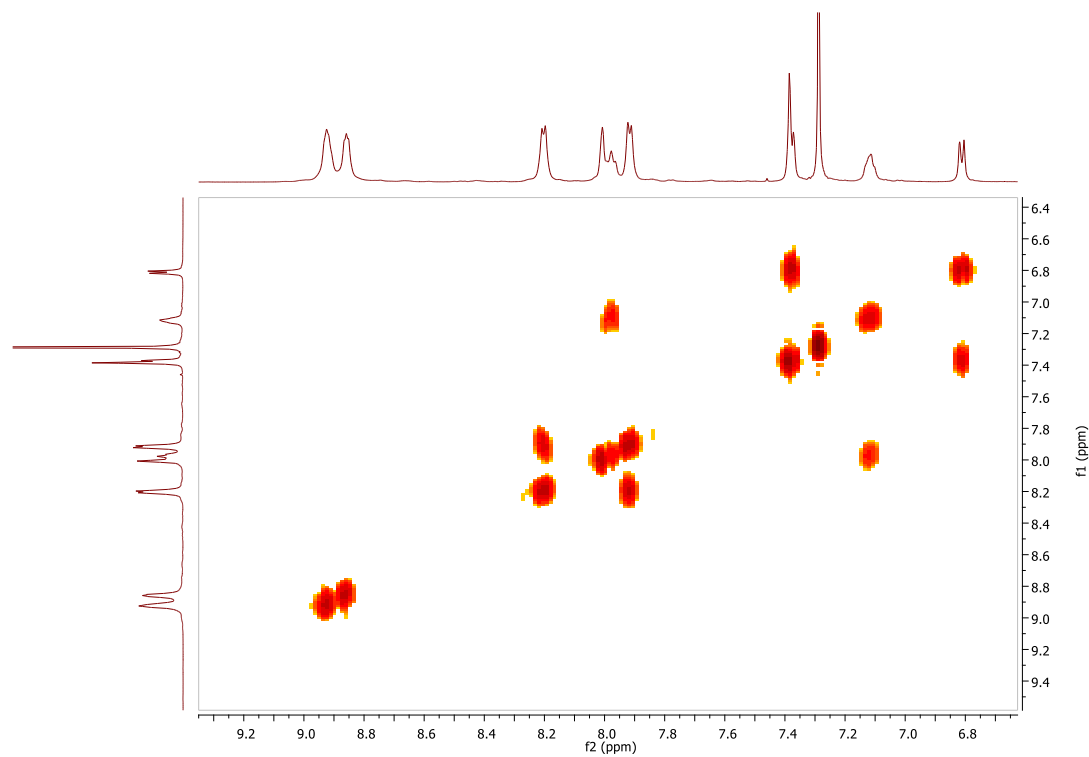


Figure S11. (^1H - ^1H) COSY spectrum of compound **3c** (aromatic part, CDCl_3)

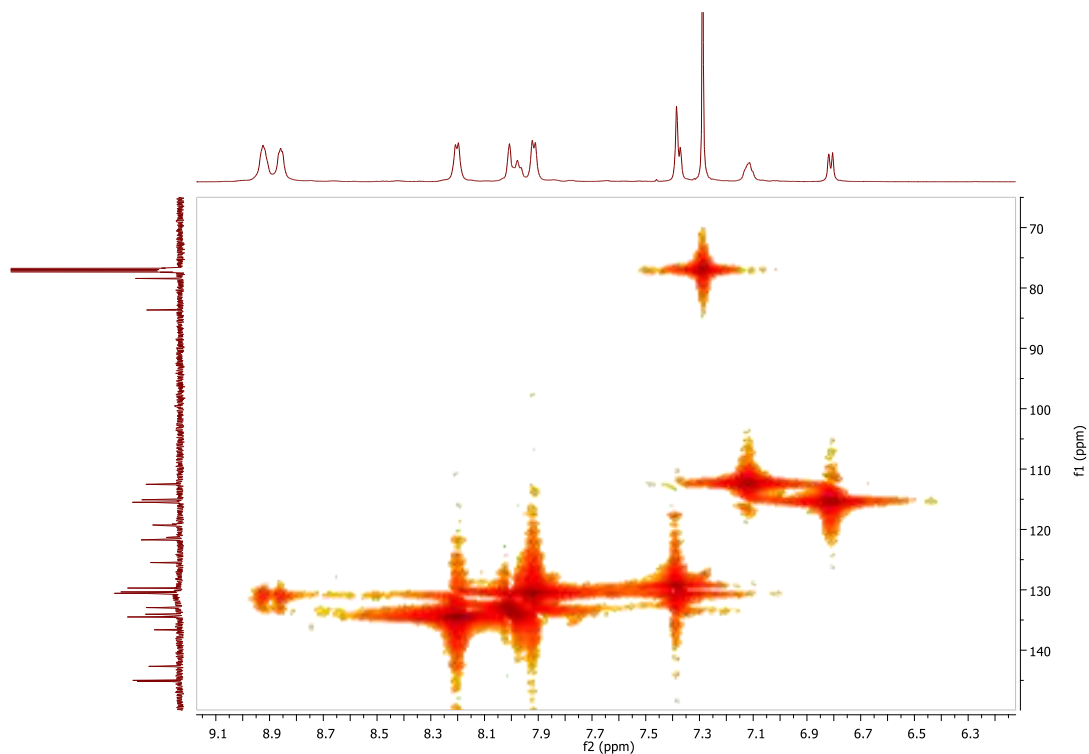


Figure S12. (^1H - ^{13}C) HMQC spectrum of compound **3c** (aromatic part, CDCl_3)

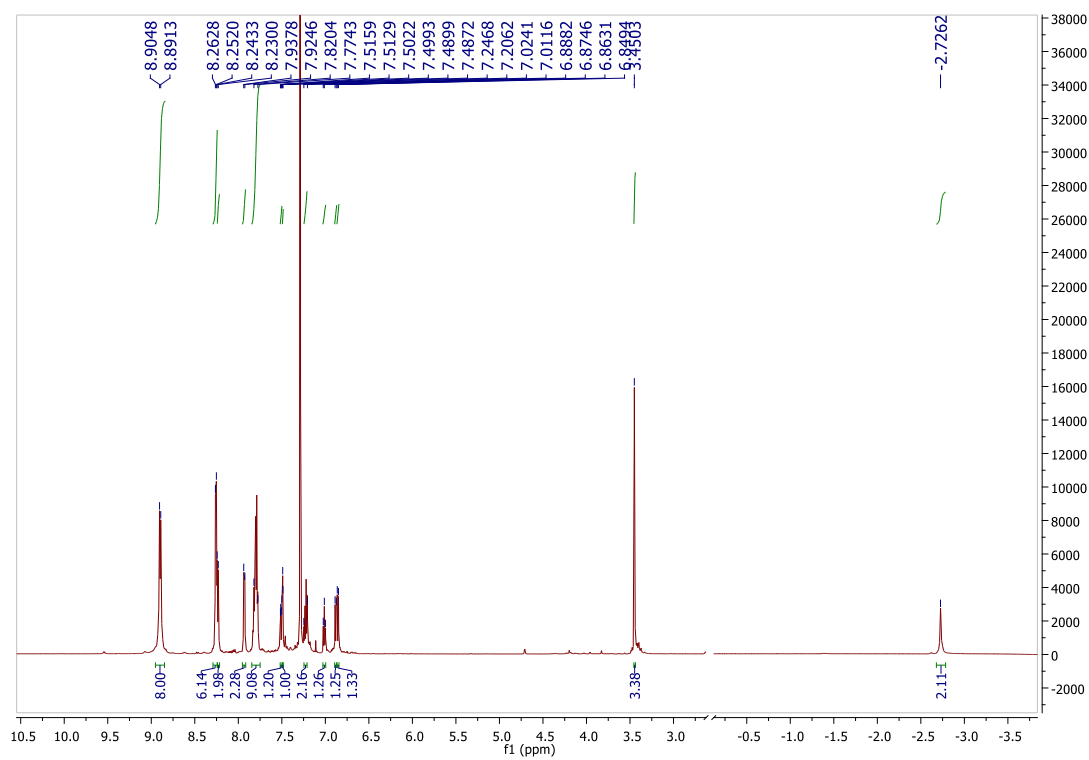


Figure S13. ^1H -NMR spectrum of compound **4a** (CDCl_3 , 600 MHz)

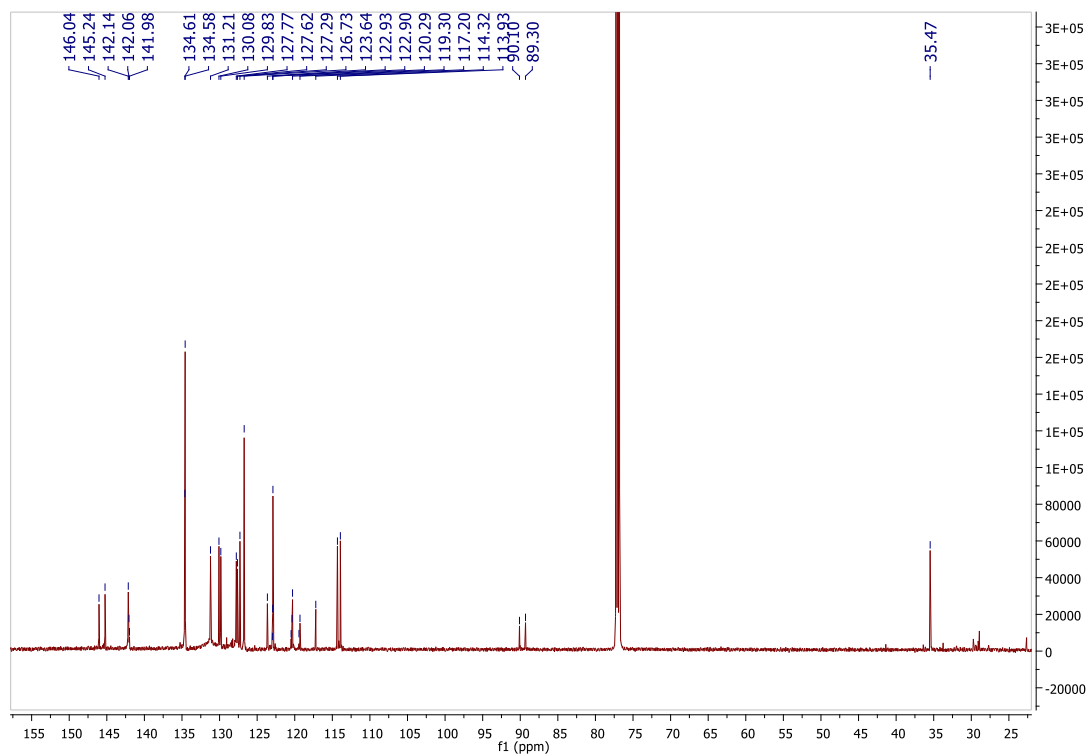


Figure S14. ^{13}C -NMR spectrum of compound **4a** (CDCl_3 , 150 MHz)

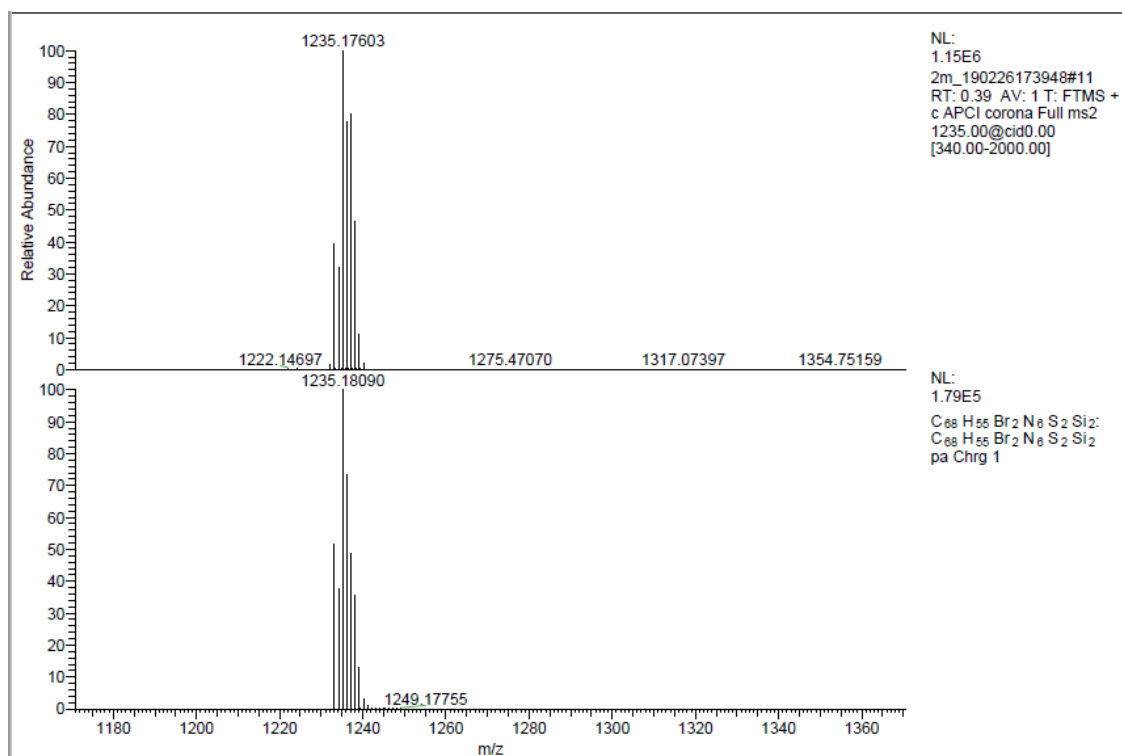


Figure S15. HRMS (APCI+) spectrum of compound **3a**

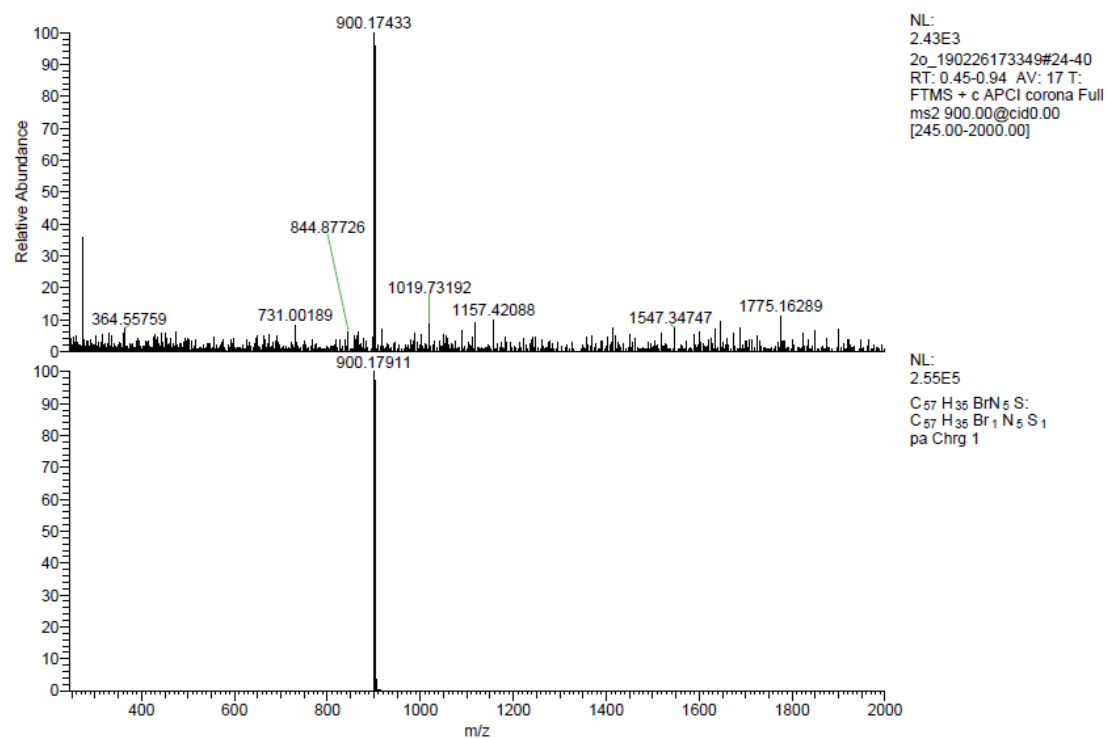


Figure S16. HRMS (APCI+) spectrum of compound **2c**

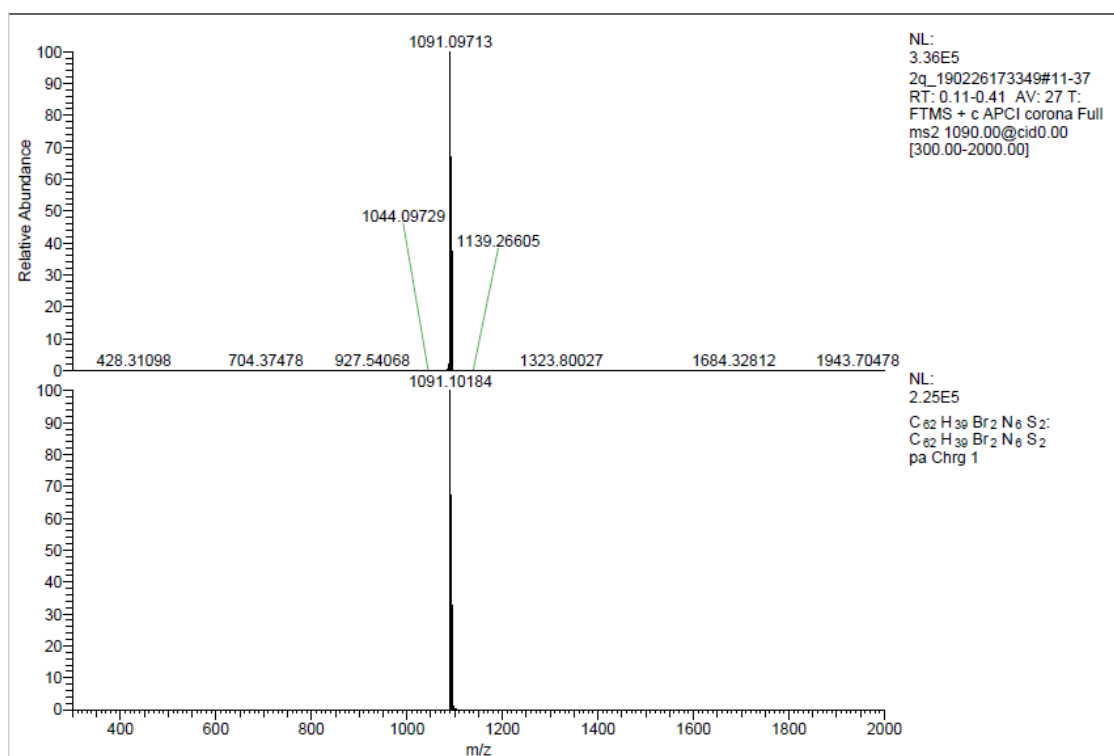


Figure S17. HRMS (APCI+) spectrum of compound **3c**

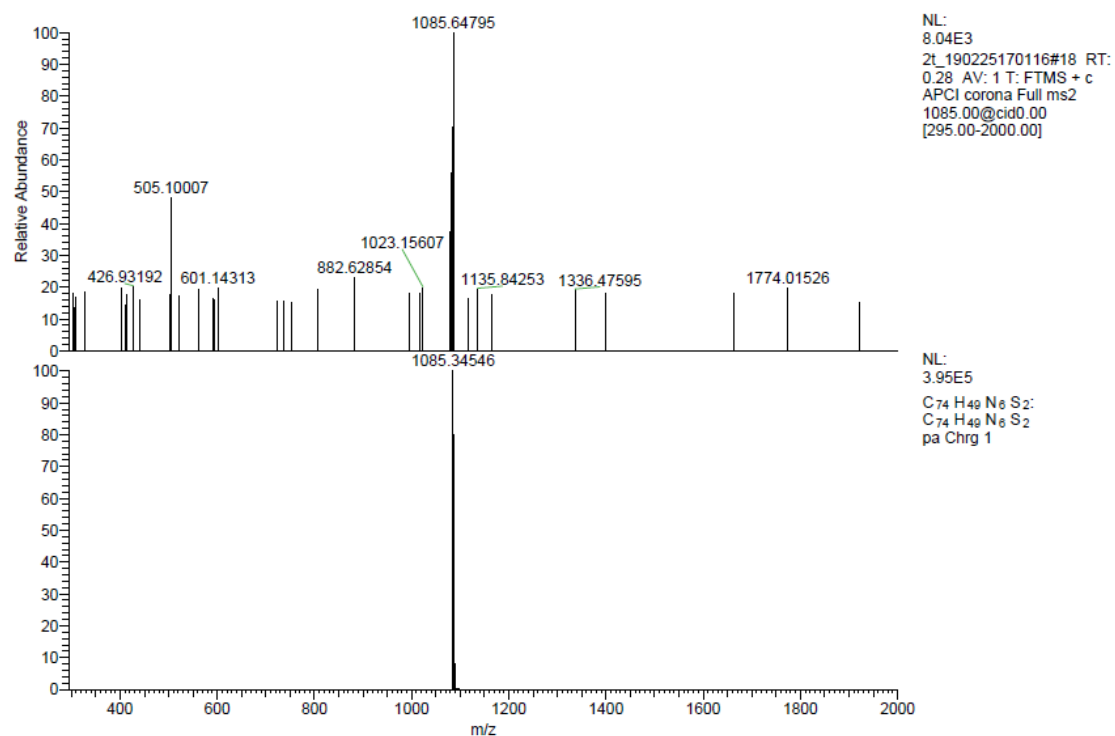


Figure S18. HRMS (APCI+) spectrum of compound 5a