Novel tetraphenolic porphyrazine capable of MRSA photoeradication

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1. Absorption and emission properties

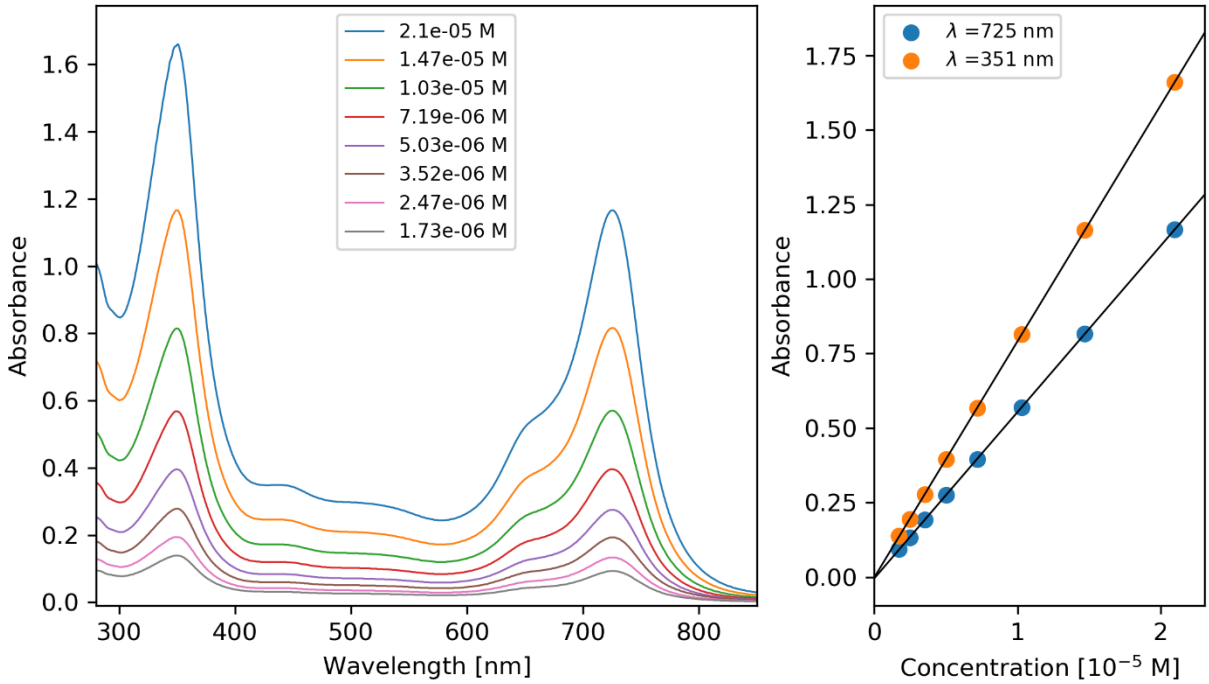


Figure S1 UV-Vis spectra of **Pz 6** in DMF at different concentrations (left), and correlation between concentration and absorbance at the wavelength corresponding to the absorption peaks (right).

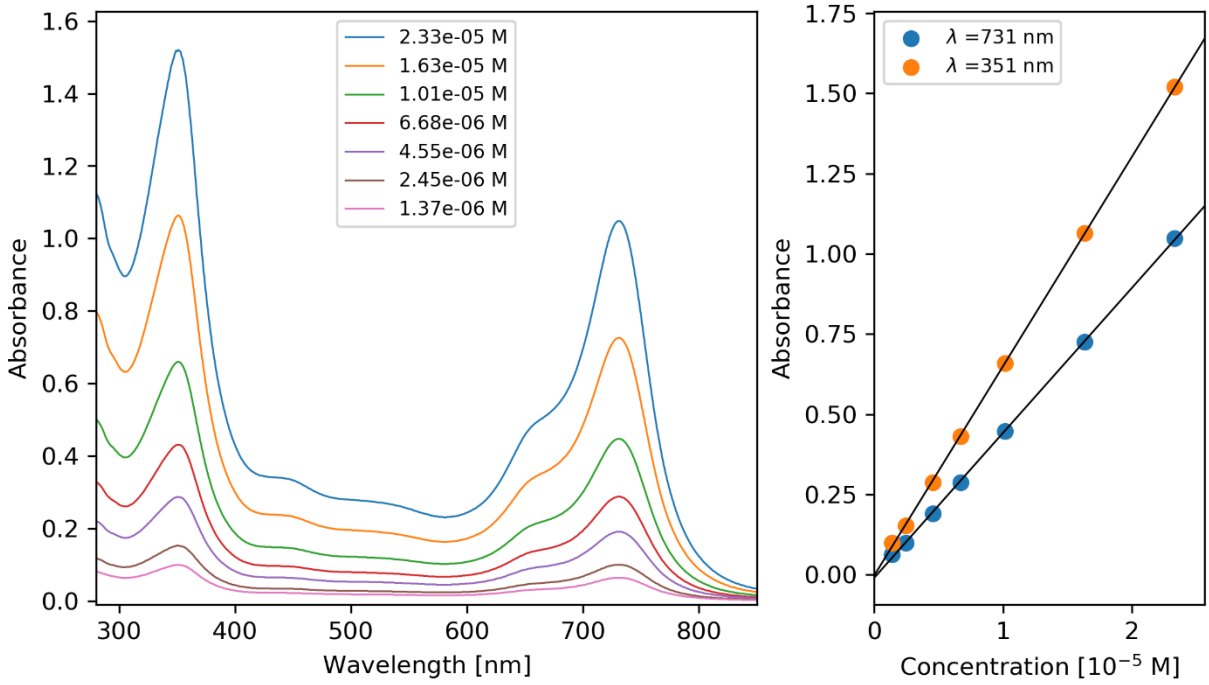


Figure S2 UV-Vis spectra of **Pz 6** in DMSO at different concentrations (left), and correlation between concentration and absorbance at the wavelength corresponding to the absorption peaks (right).

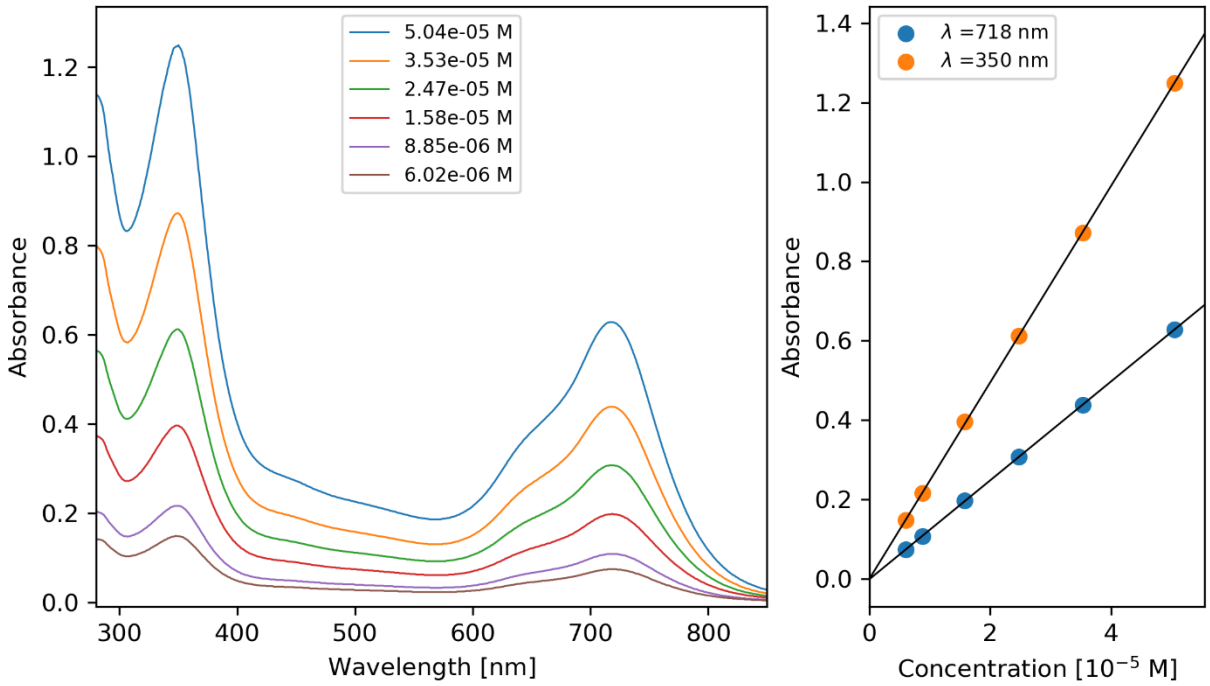


Figure S3 UV-Vis spectra of **Pz 7** in DMF at different concentrations (left), and correlation between concentration and absorbance at the wavelength corresponding to the absorption peaks (right).

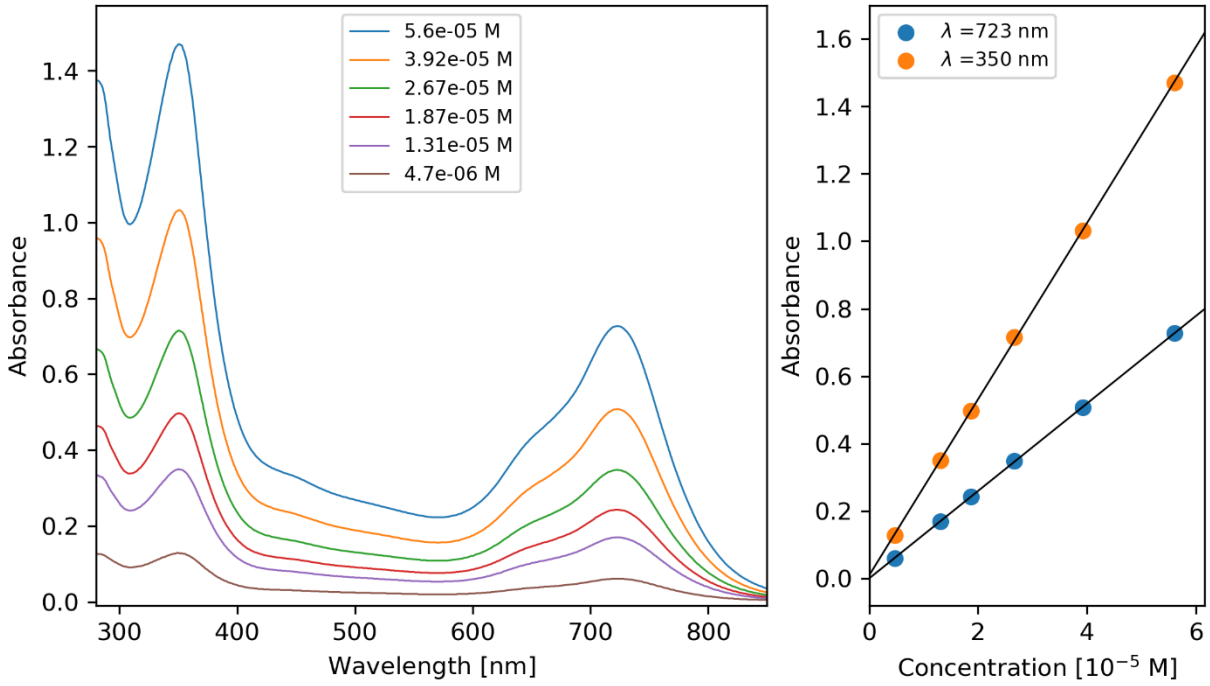


Figure S4 UV-Vis spectra of **Pz 7** in DMSO at different concentrations (left), and correlation between concentration and absorbance at the wavelength corresponding to the absorption peaks (right).

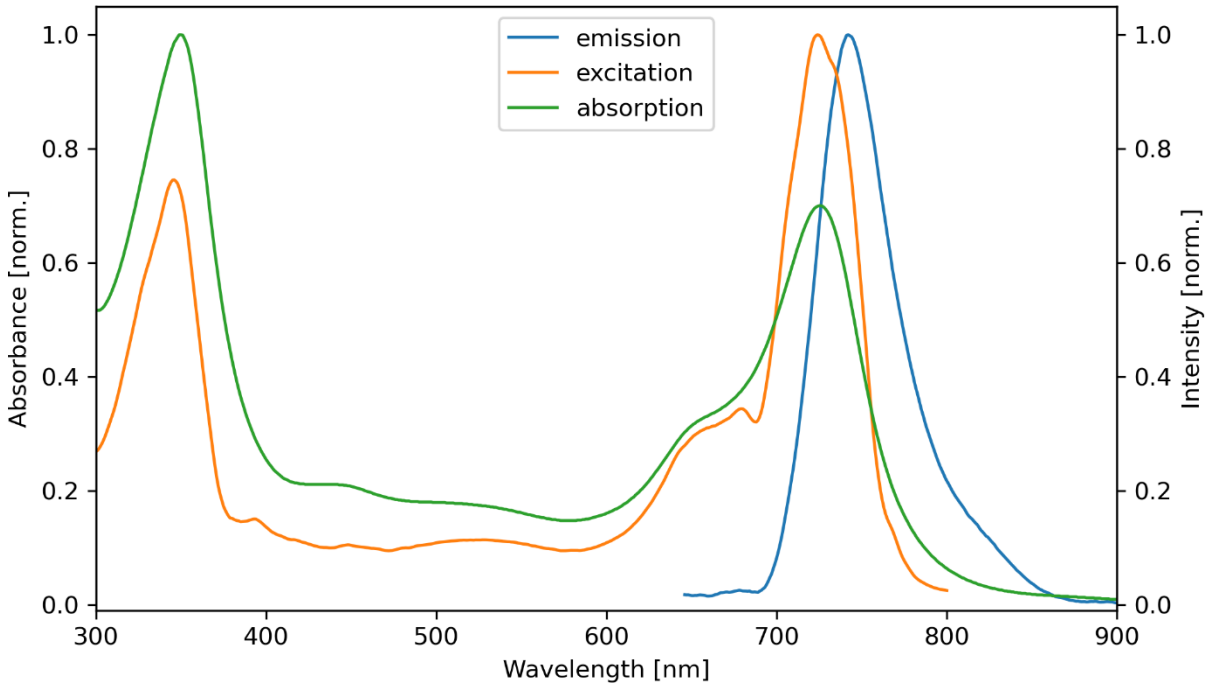


Figure S5. Absorption, emission and excitation spectra of **Pz 6** in DMF.

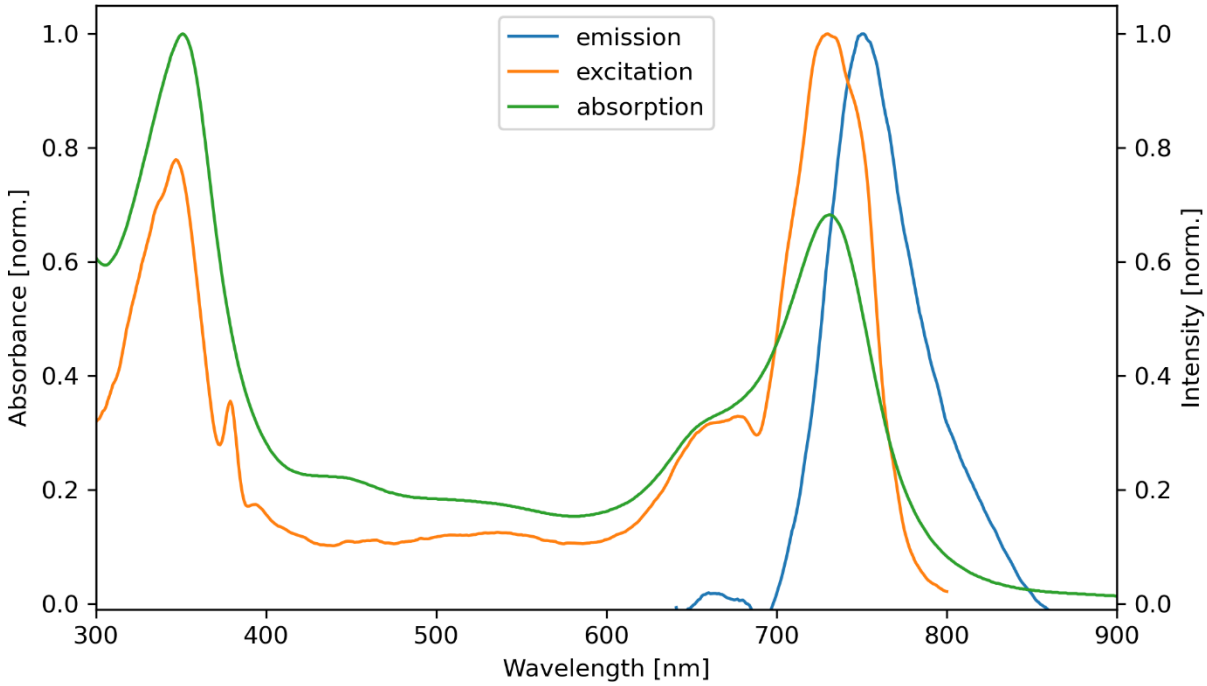


Figure S6. Absorption, emission and excitation spectra of **Pz 6** in DMSO.

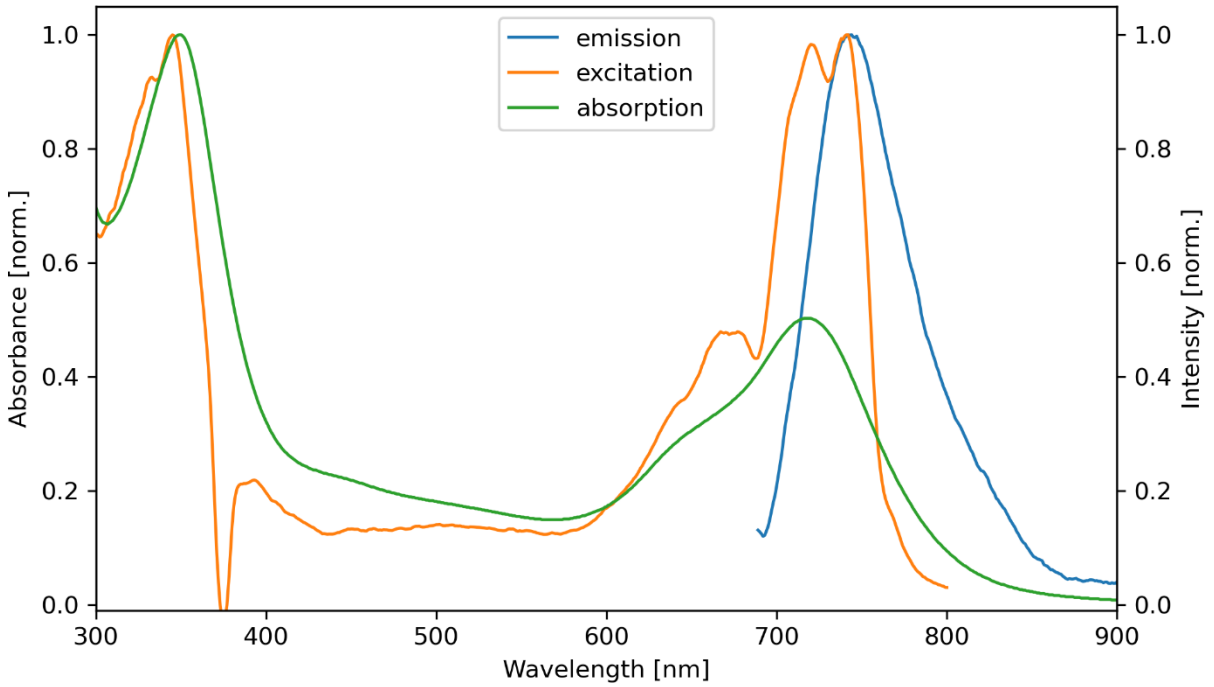


Figure S7. Absorption, emission and excitation spectra of **Pz 7** in DMF.

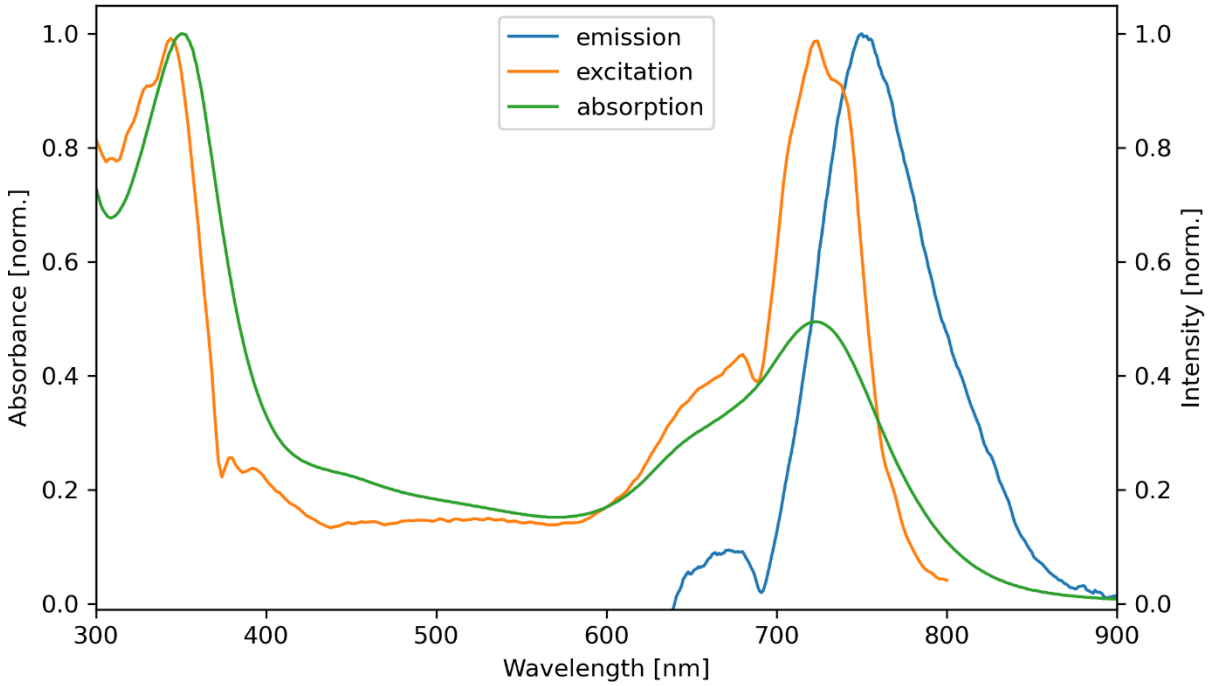


Figure S8. Absorption, emission and excitation spectra of **Pz 7** in DMSO.

2. Antibacterial activity of the medium used in experiments

Table S1. The bactericidal activity of 2% solution of methanol in water, used to dissolve porphyrazines, against MRSA

Compound		2% solution of methanol in water
Conditions	Irradiation time	log reduction in bacterial growth
Light	60 min	0.11 ± 0.06
	90 min	0.02 ± 0.04
Dark	60 min	0.01 ± 0.08
	90 min	0.02 ± 0.04

3. NMR spectra of the compounds

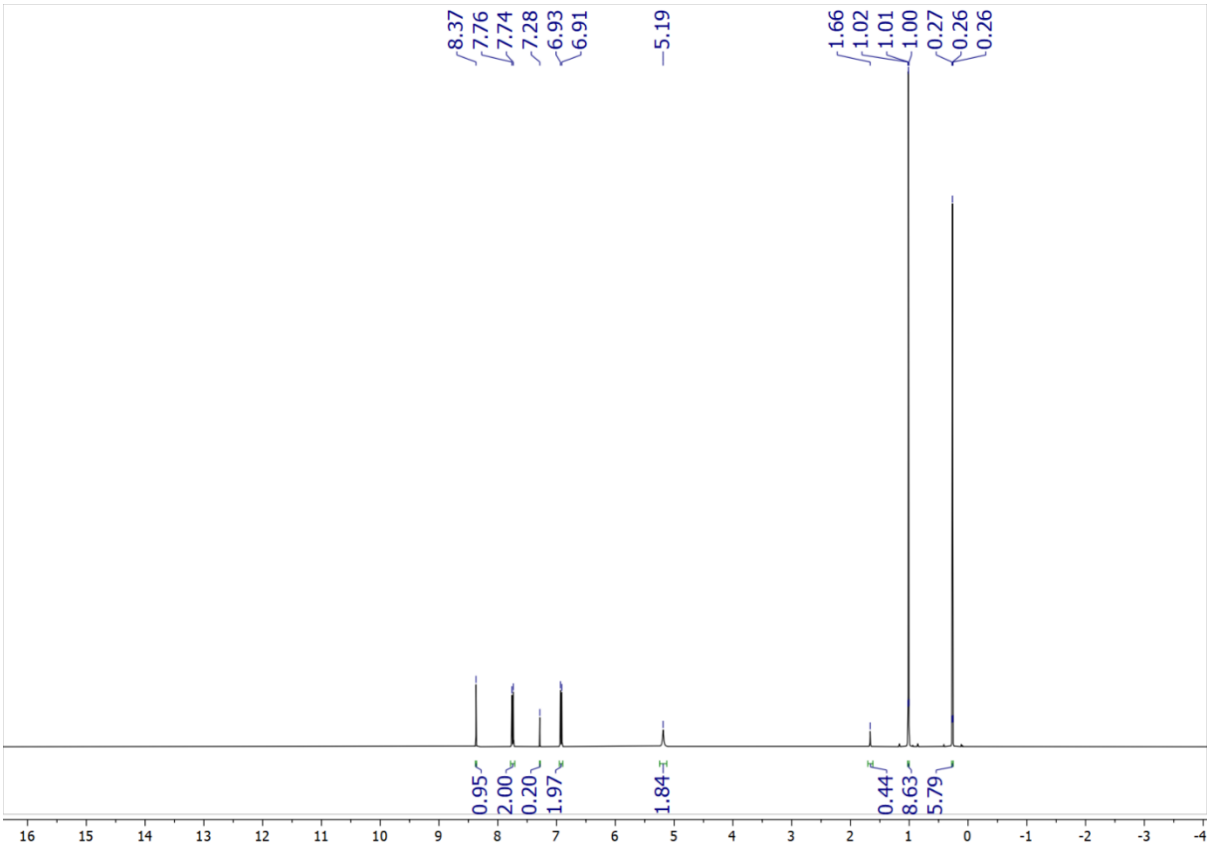


Figure S9. ^{1}H NMR, 400 MHz, $CDCl_3$ of **2**

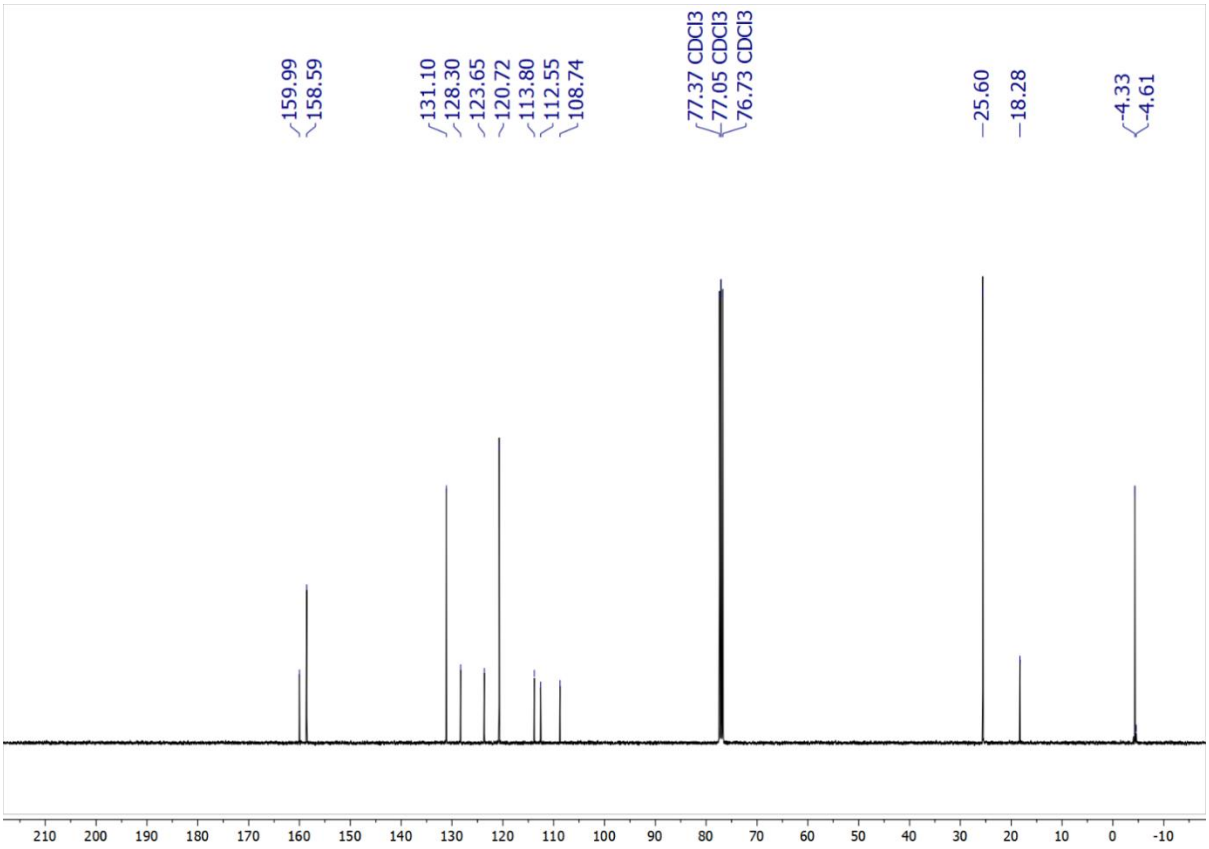


Figure S10. ^{13}C NMR 100 MHz, $CDCl_3$ of **2**

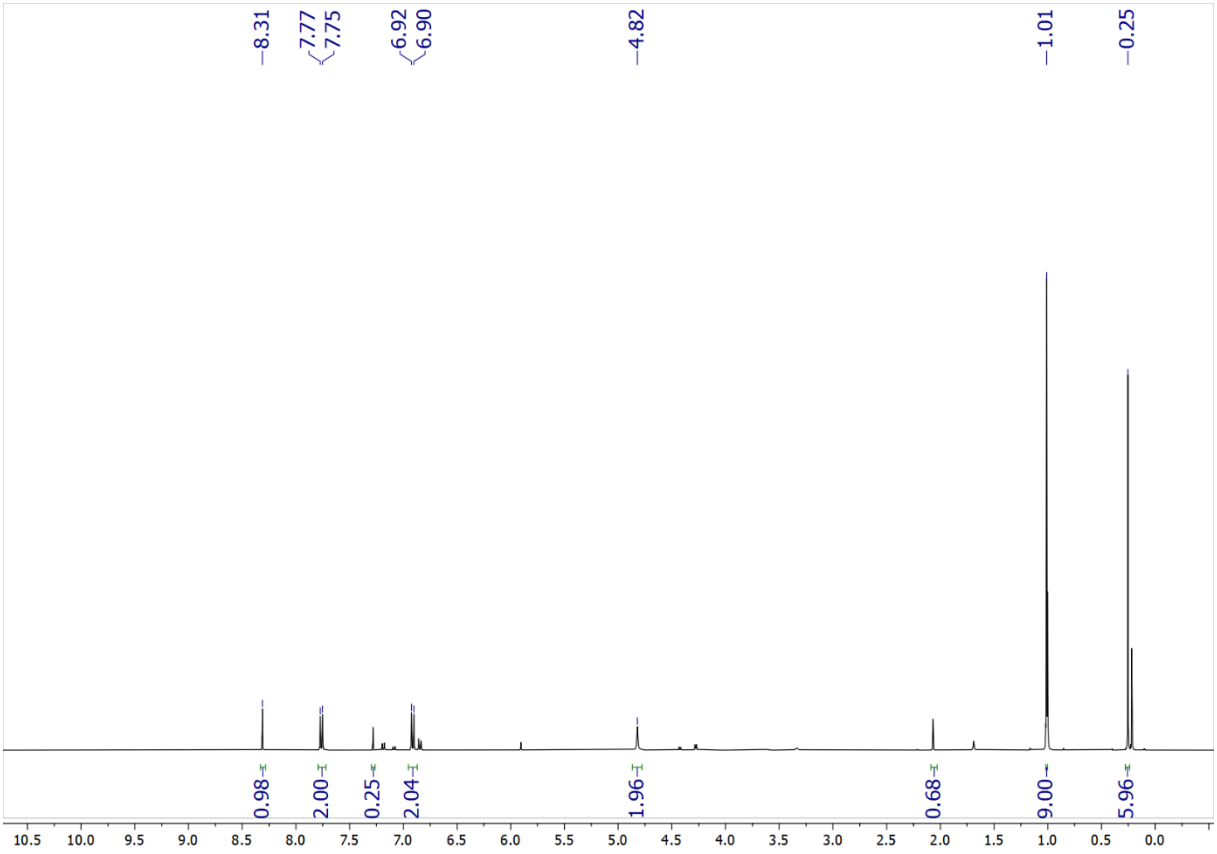


Figure S11. ^{1}H NMR, 400 MHz, $CDCl_3$ of **3**

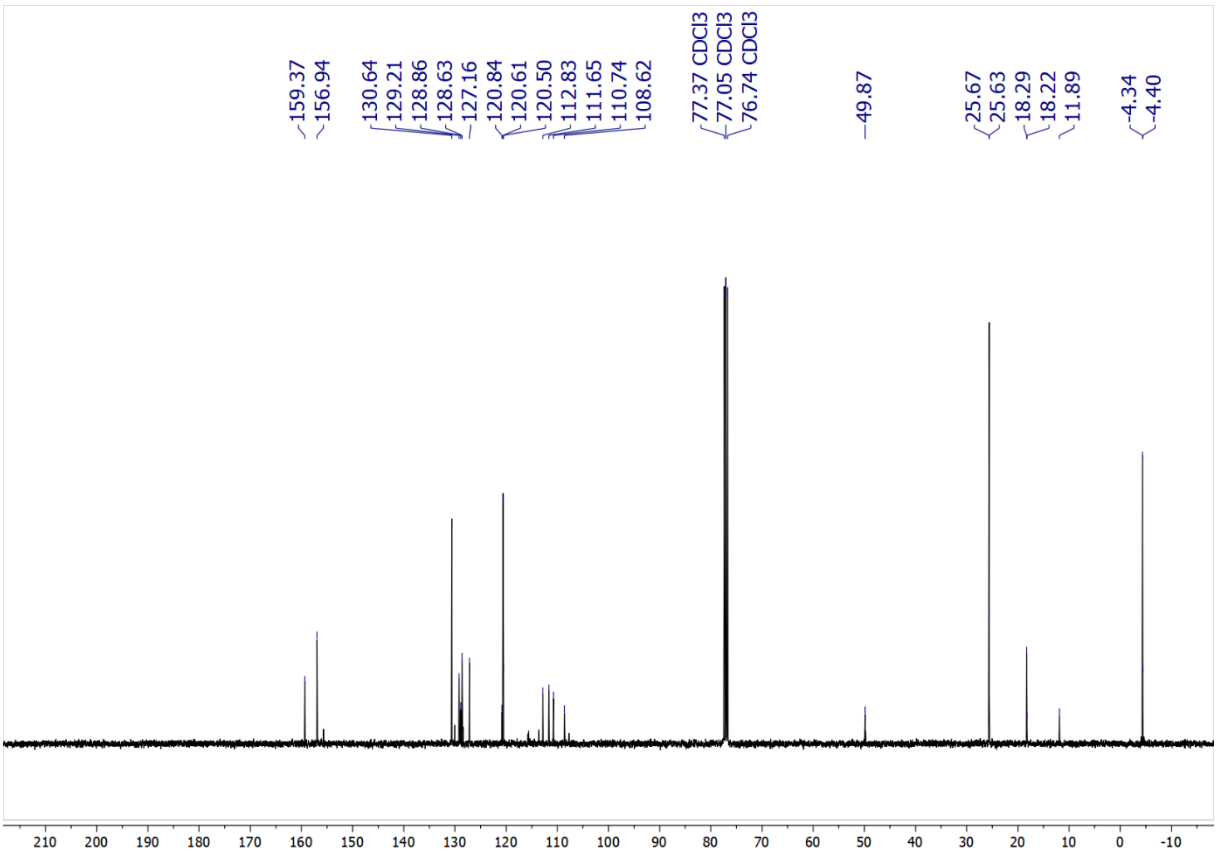


Figure S12. ^{13}C NMR 100 MHz, $CDCl_3$ of **3**

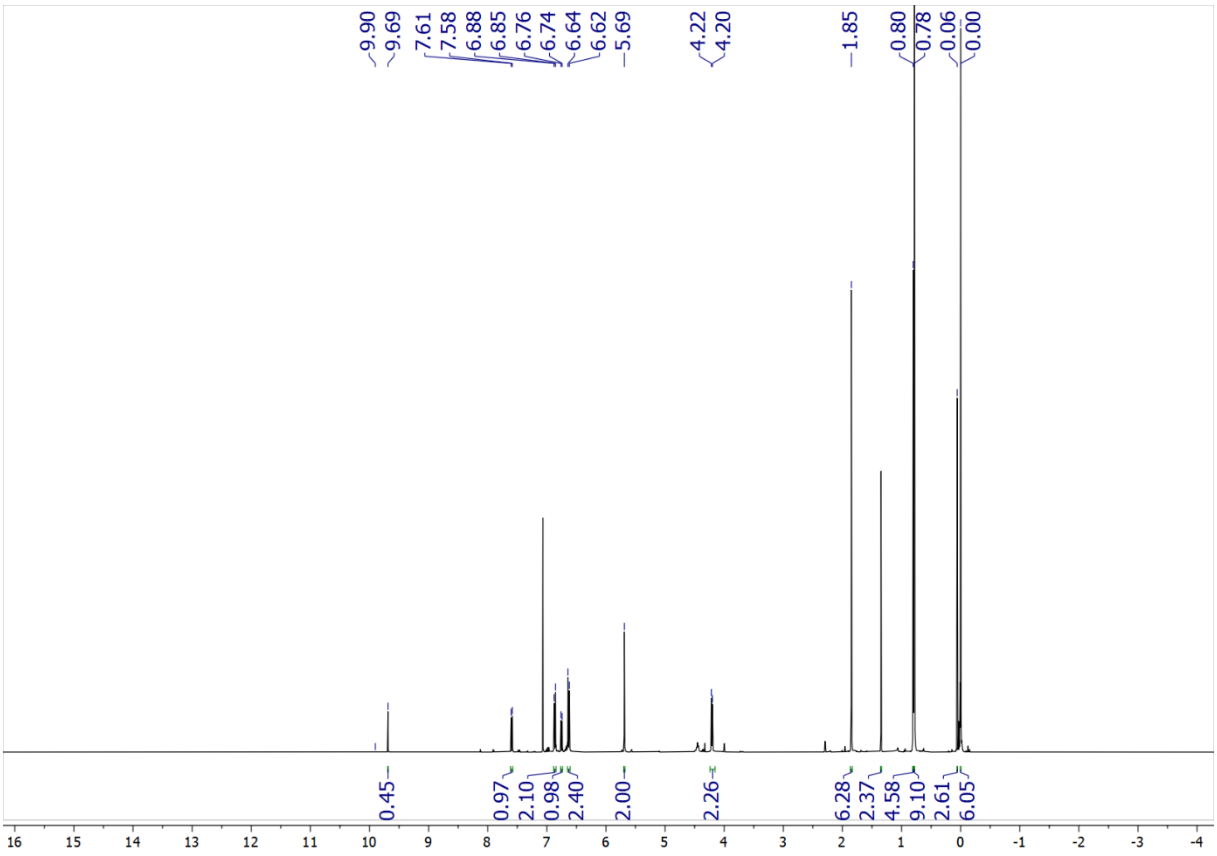


Figure S13. ^{1}H NMR, 400 MHz, $CDCl_3$ of **4**

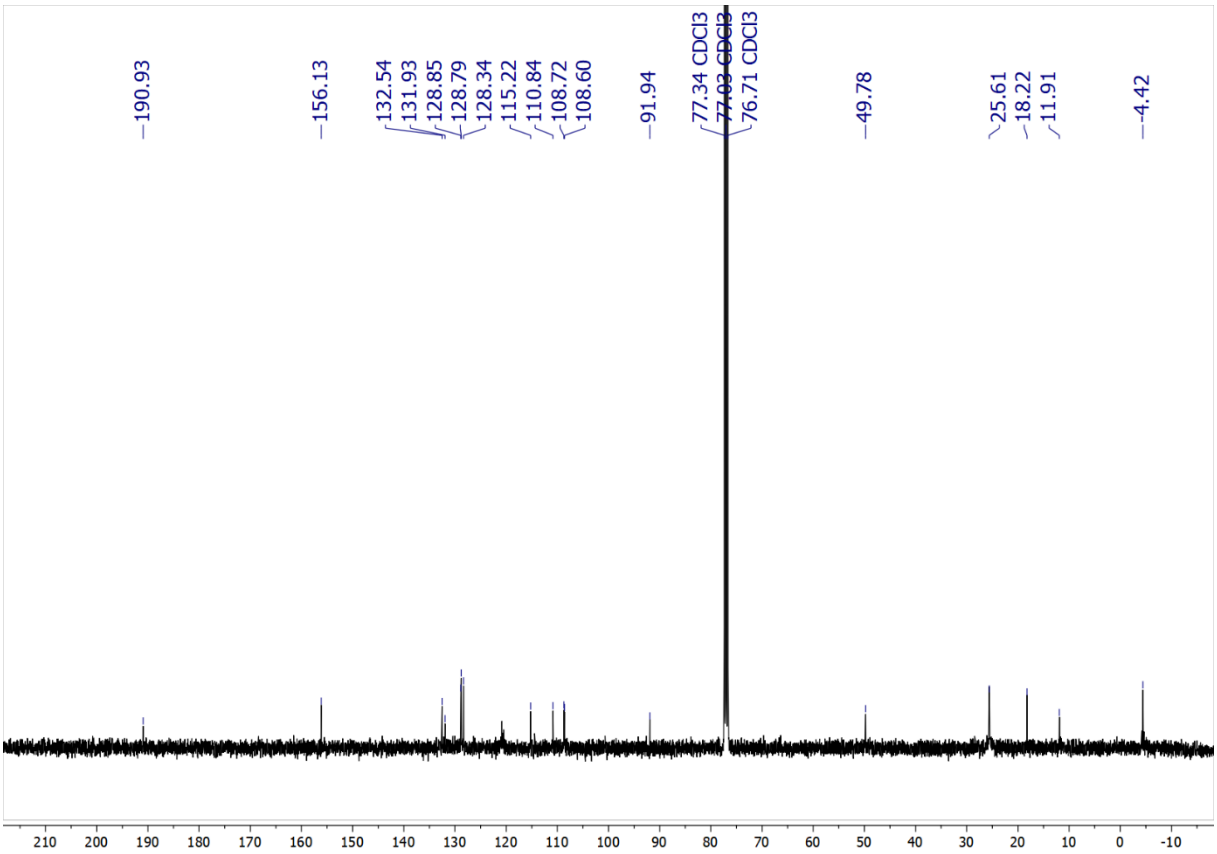


Figure S14. ^{13}C NMR 100 MHz, $CDCl_3$ of **4**

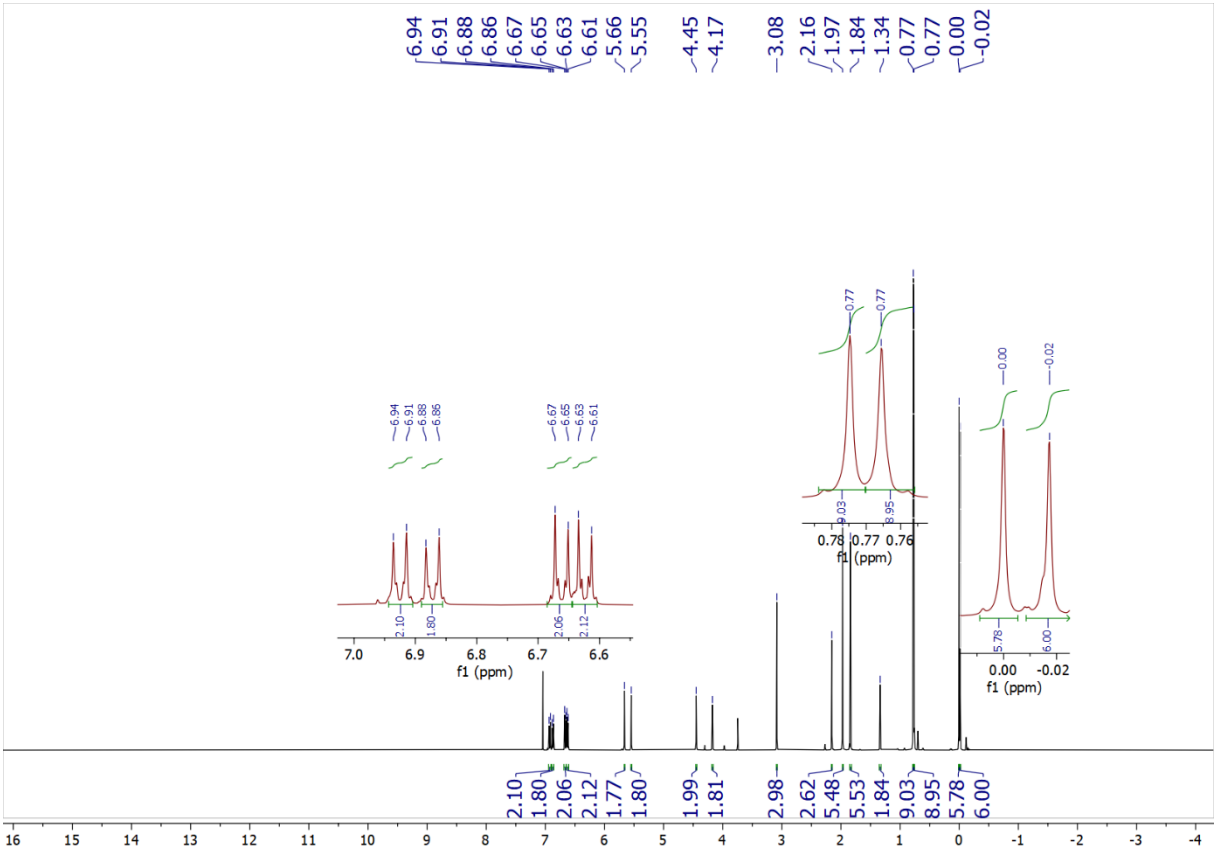


Figure S15. ^{1}H NMR, 400 MHz, $CDCl_3$ of **5**

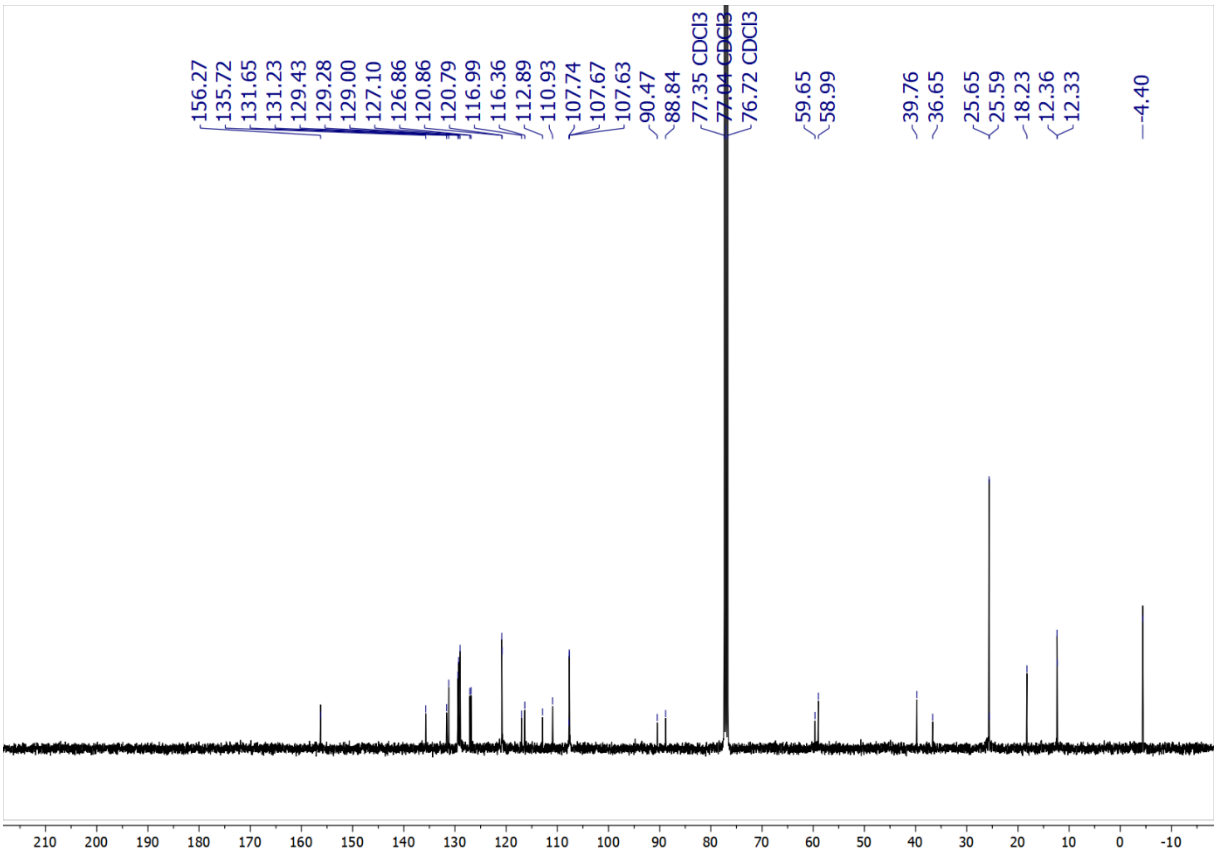


Figure S16. ^{13}C NMR 100 MHz, $CDCl_3$ of **5**

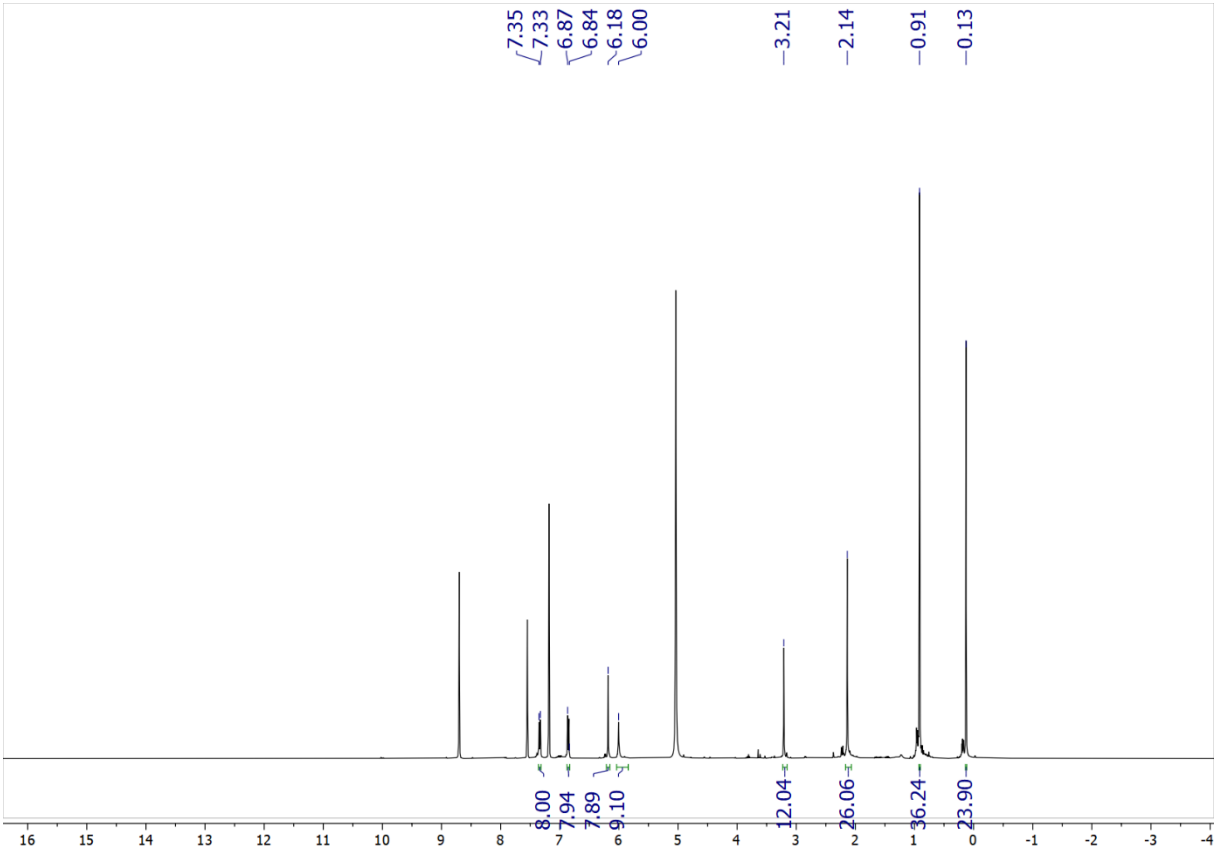


Figure S17. ^{1}H NMR, 400 MHz, pyridine-d_5 of **6**

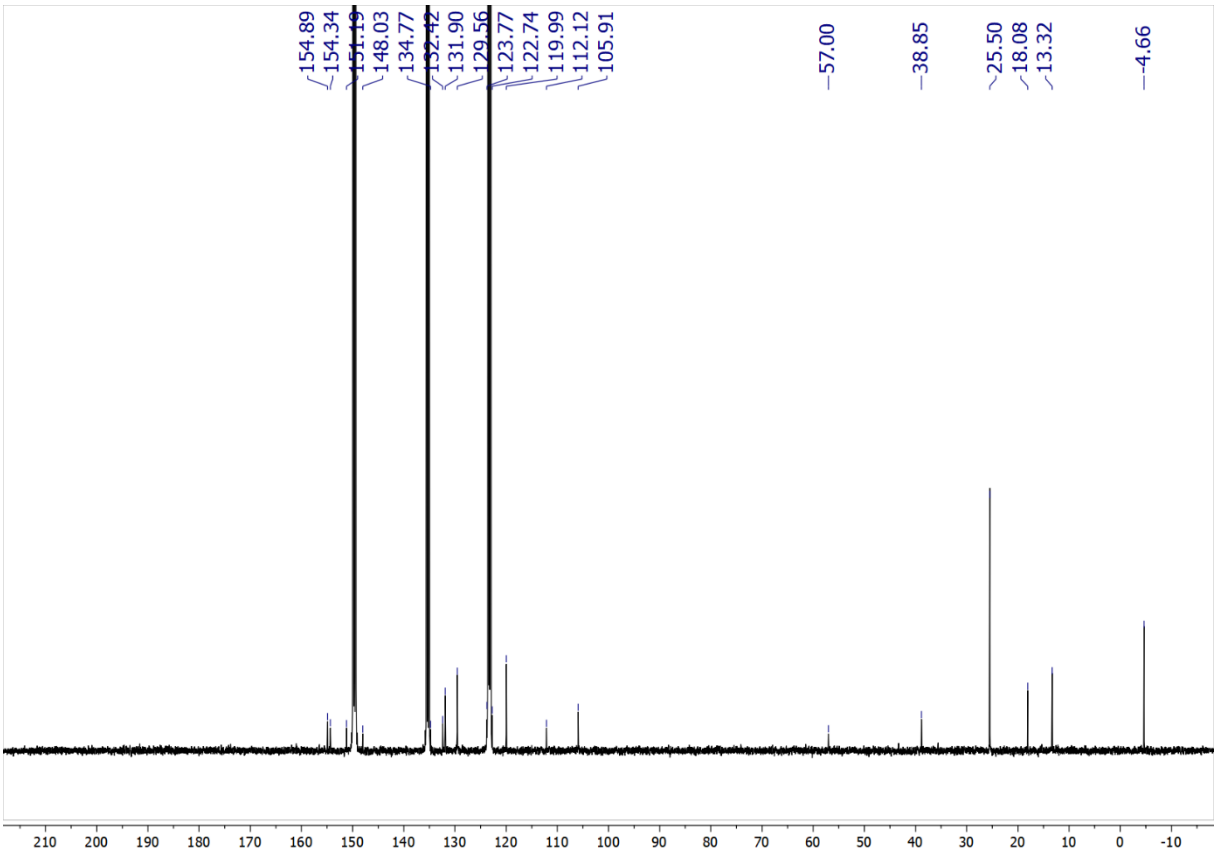


Figure S18. ^{13}C NMR 100 MHz, pyridine-d_5 of **6**

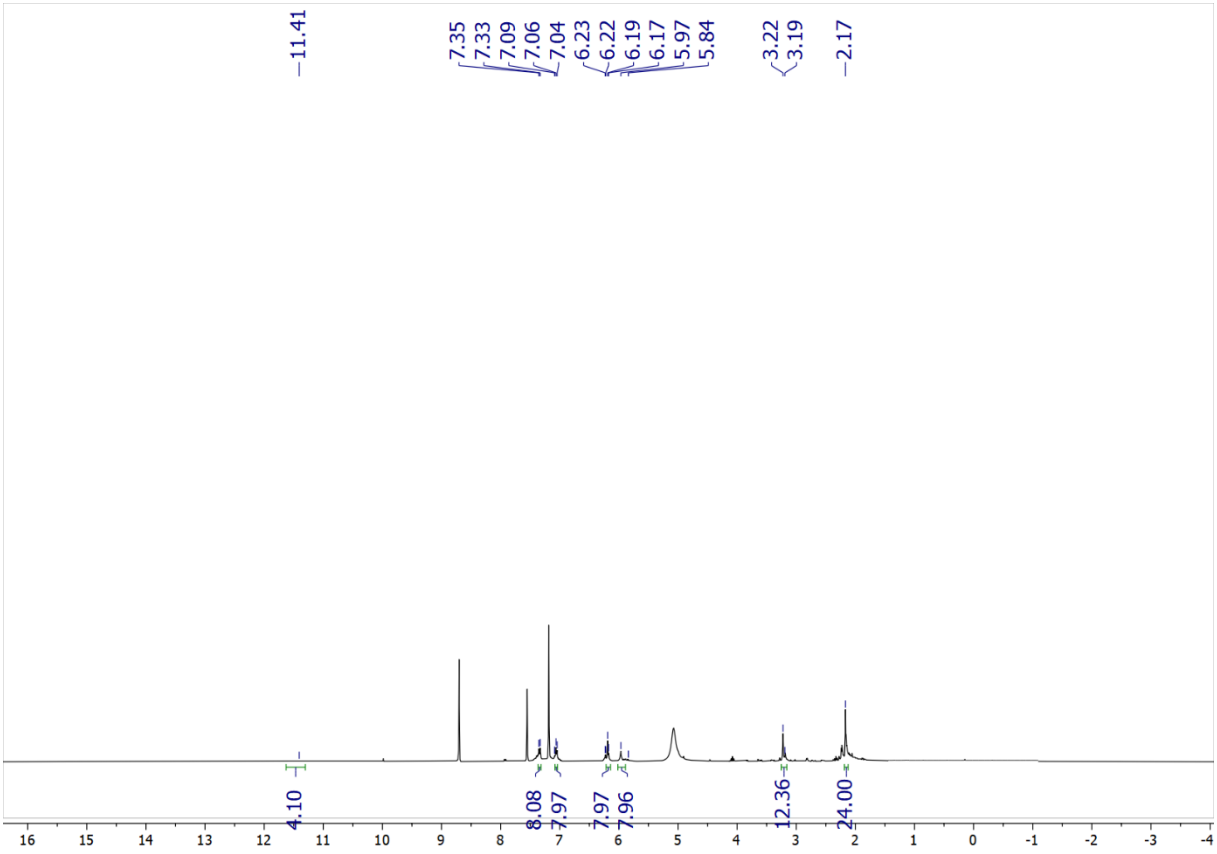


Figure S19. ^{1}H NMR, 400 MHz, pyridine-d_5 of **7**

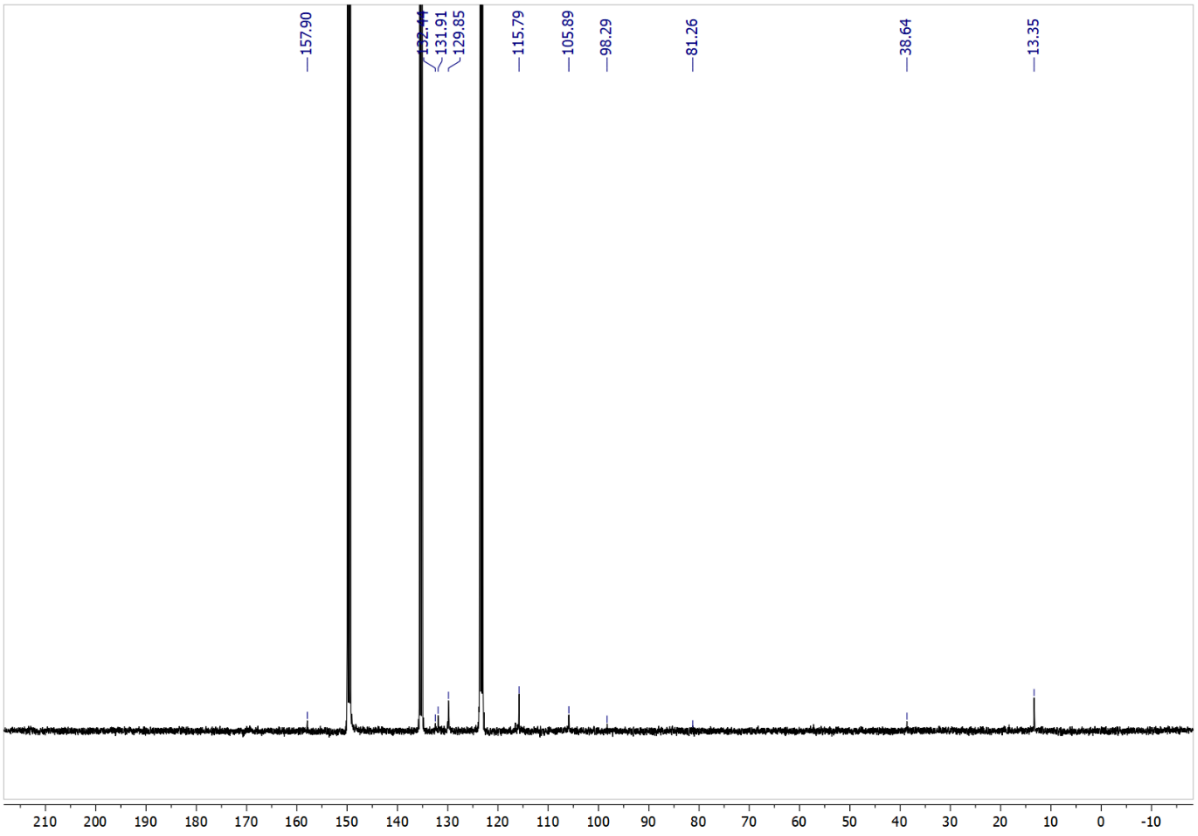


Figure S20. ^{13}C NMR 100 MHz, pyridine-d_5 of **7**

4. HRMS spectra of the compounds

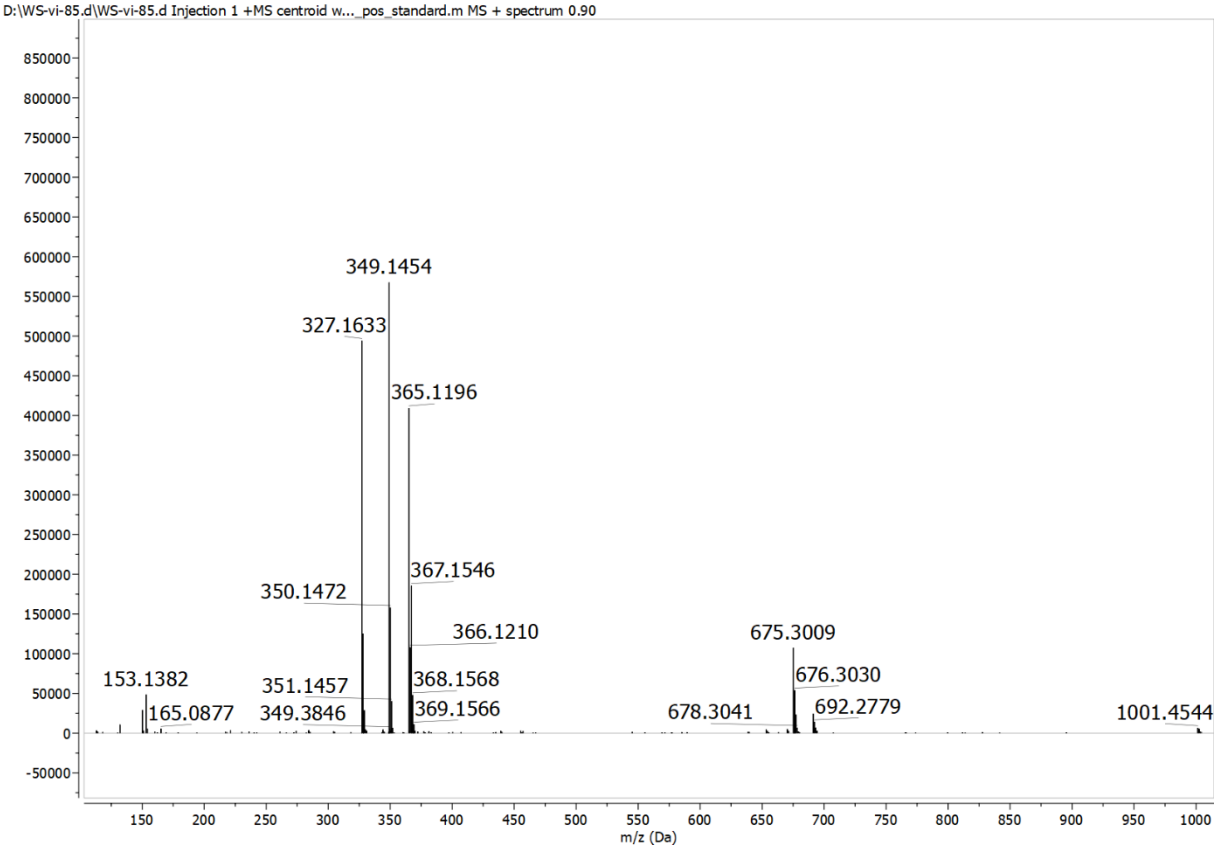


Figure S21. HMRS of **2**

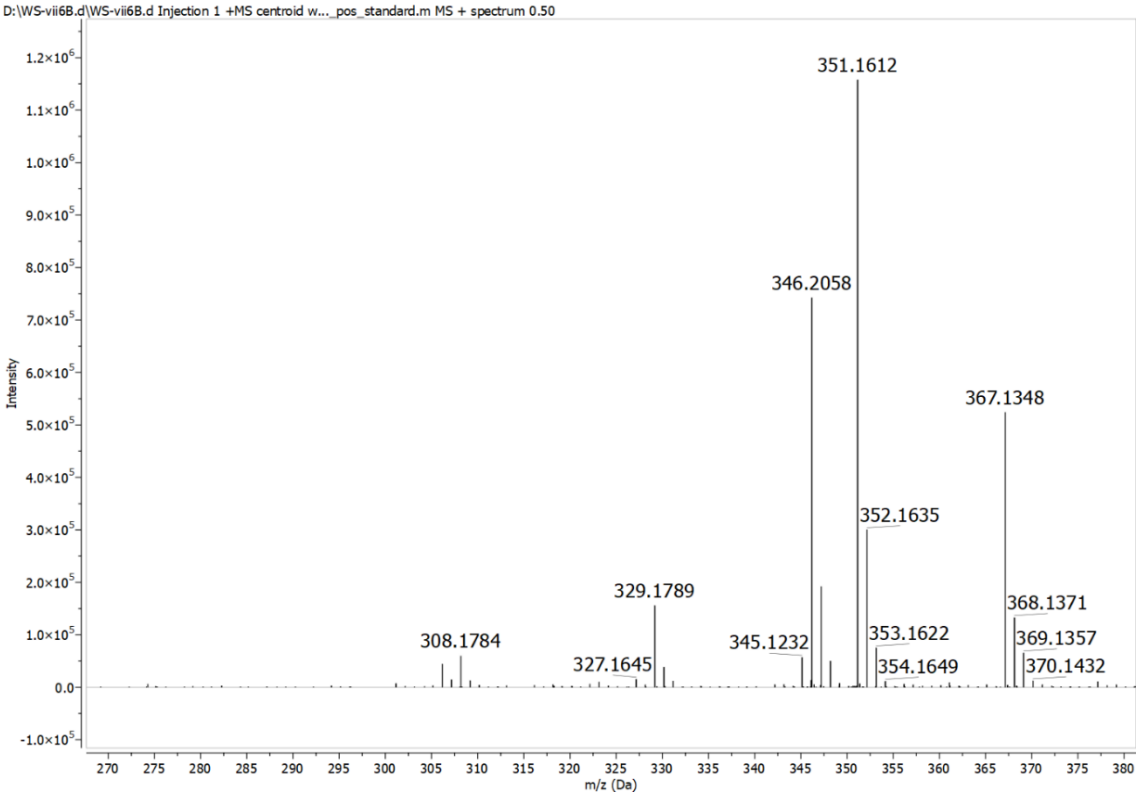


Figure S22. HRMS of **3**

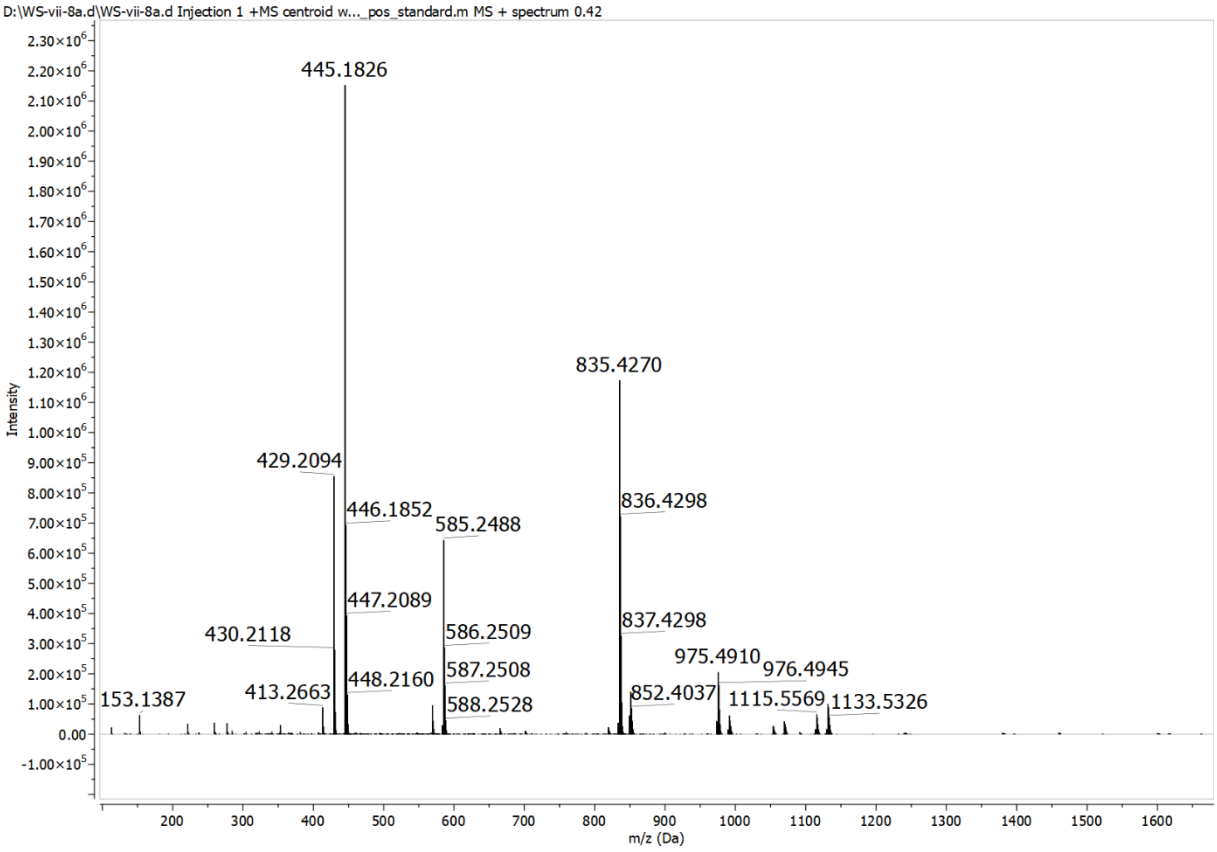


Figure S23. HRMS of **4**

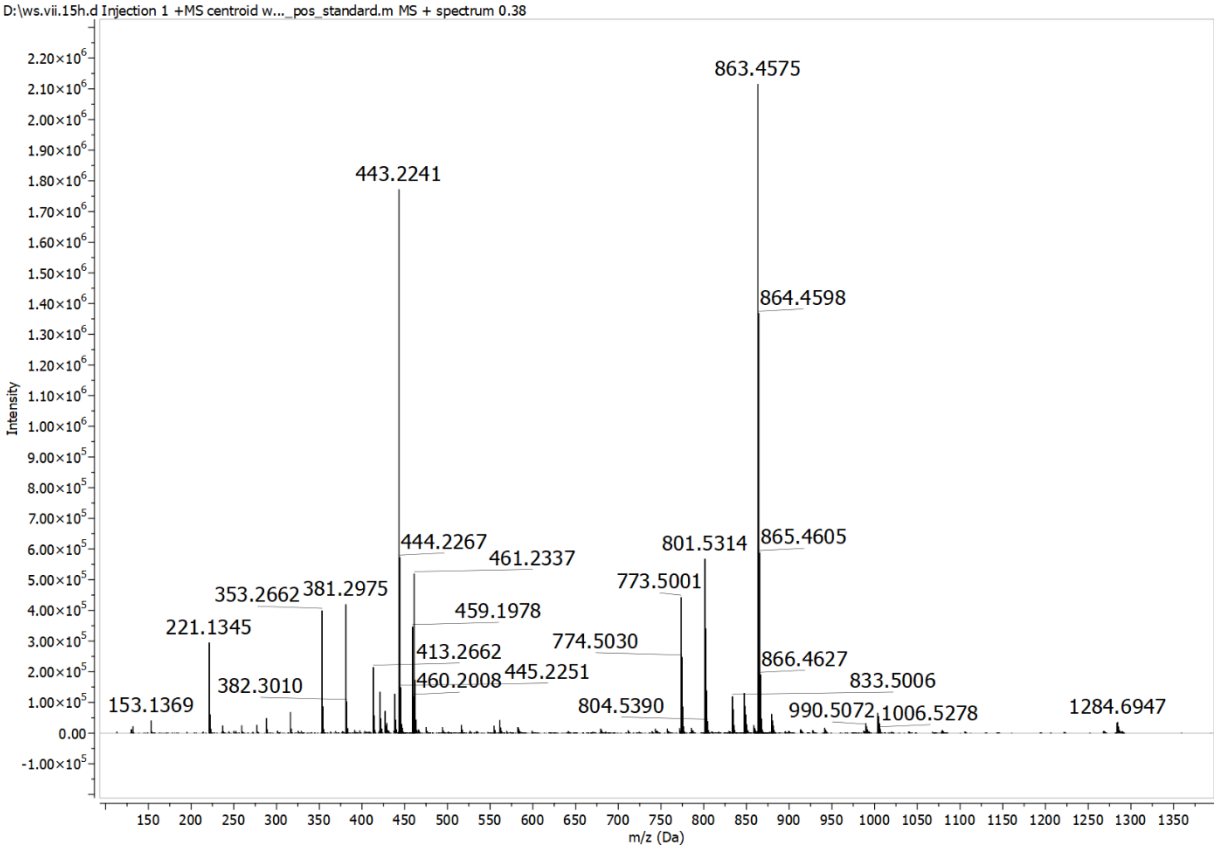


Figure S24. HRMS of **5**

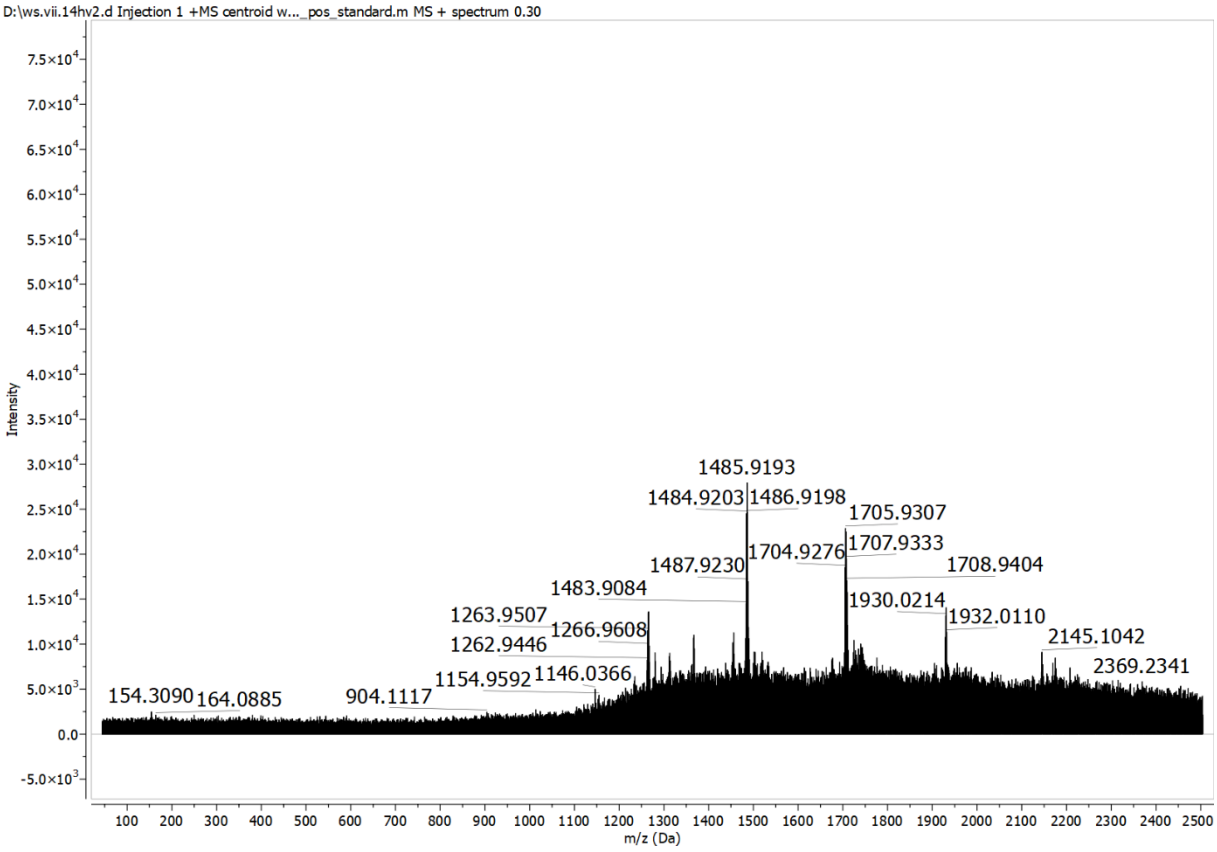


Figure S25. HRMS of **6**

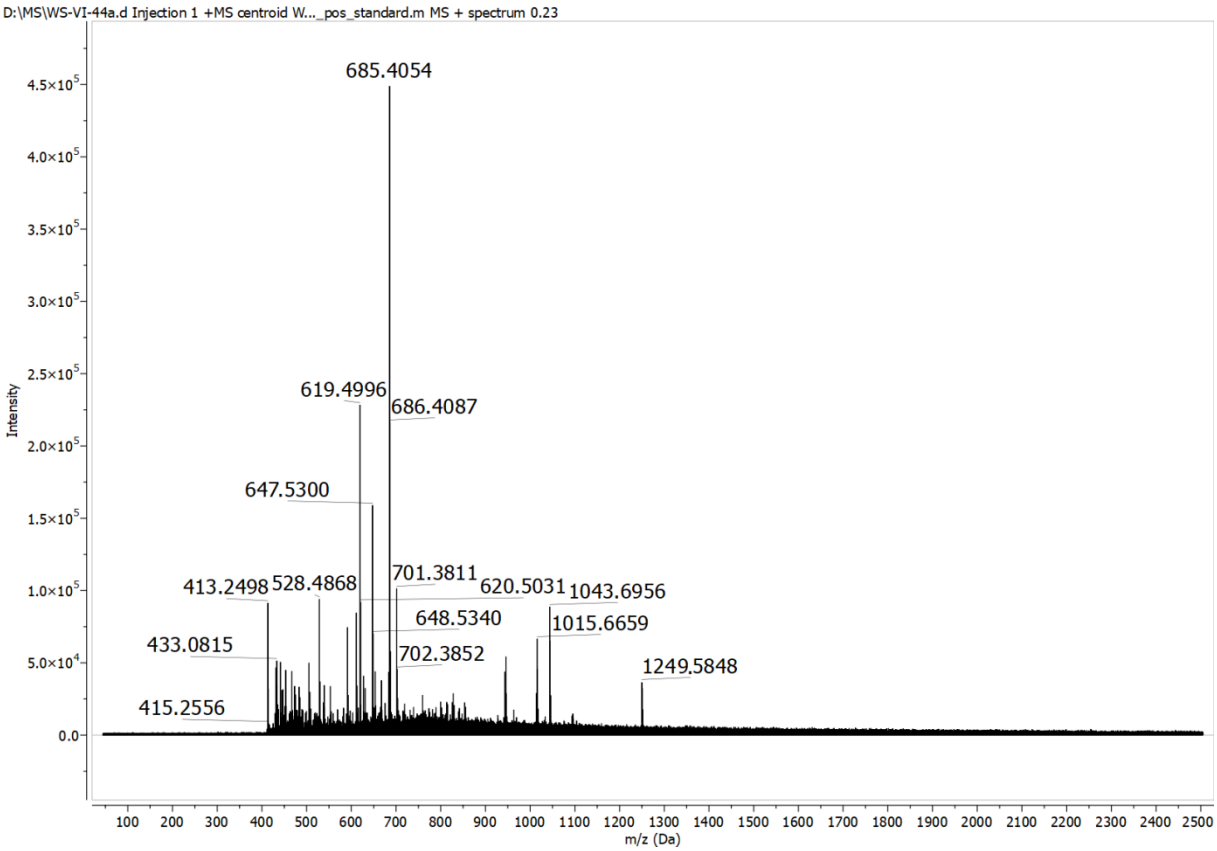


Figure S26. HRMS of **7**