

SUPPORTING INFORMATION

Title: Are Molecular 5,8- π -Extended Quinoxaline Derivatives Good Chromophores for Photoluminescence Applications?

Author(s): Fabiana S. Mancilha, Brenno A. DaSilveira Neto, Aline S. Lopes, Paulo F. Moreira Jr., Frank H. Quina, Reinaldo S. Gonçalves, and Jaírton Dupont*

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For the UV-spectra see Figures S1-S8. For solid state fluorescence and absorption see S9-S16. For ^1H NMR see Figures S17-S24. For ^{13}C NMR see Figures S25-S32. For transients S33-S38. For HR/MS see S39-S44. For triplet decay see S45-S48.

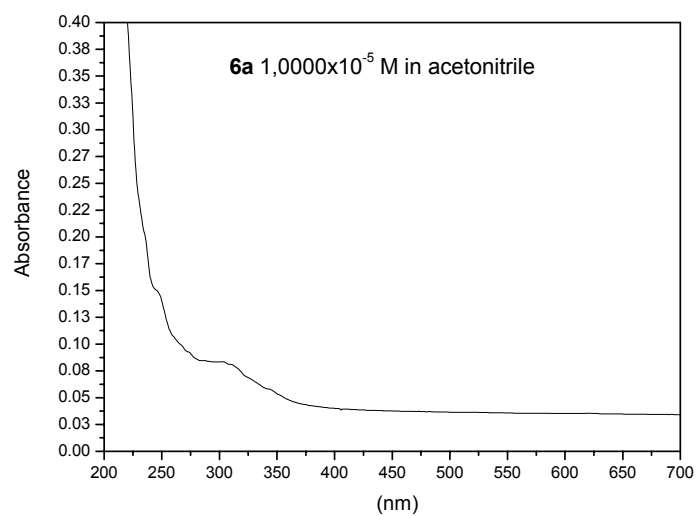


Figure S1. UV spectra of compound **6a**.

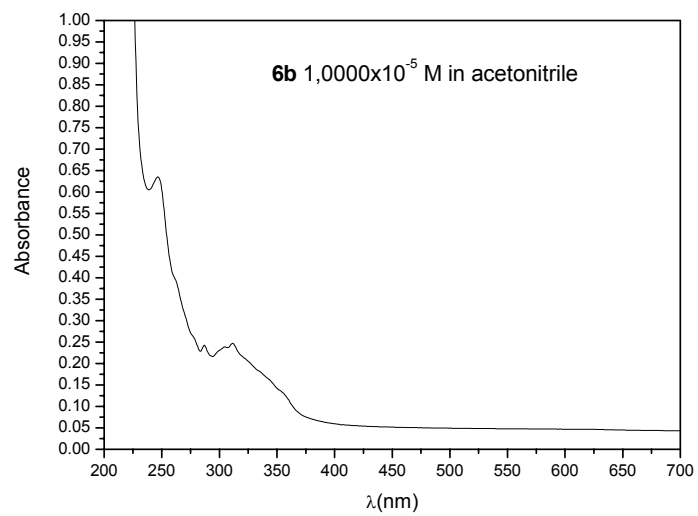


Figure S2. UV spectra of compound **6b**.

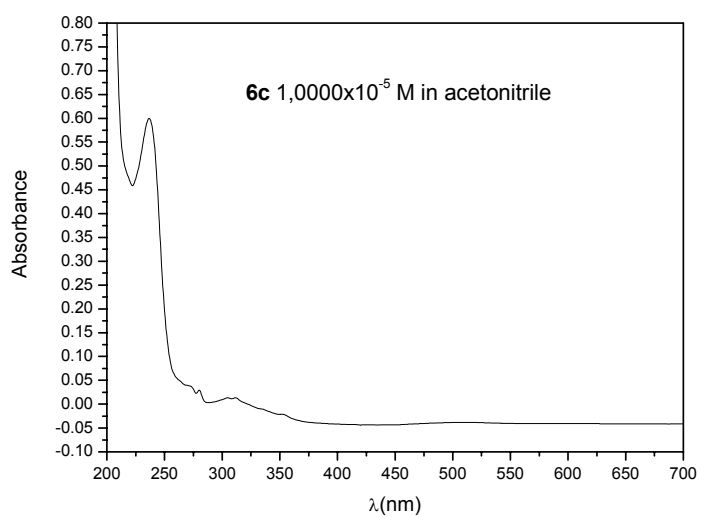


Figure S3. UV spectra of compound **6c**.

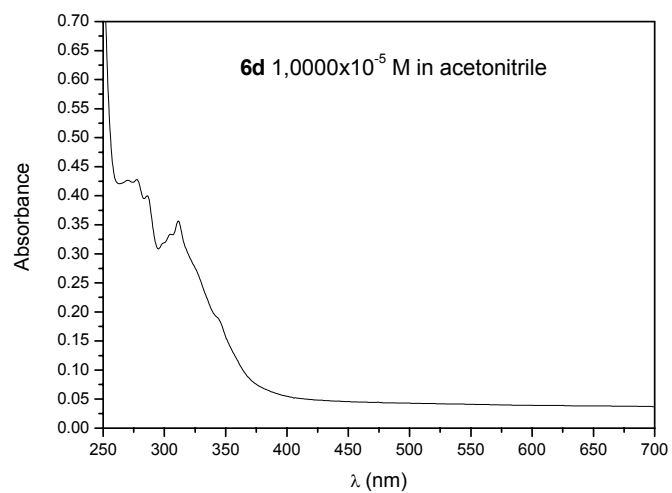


Figure S4. UV spectra of compound **6d**.

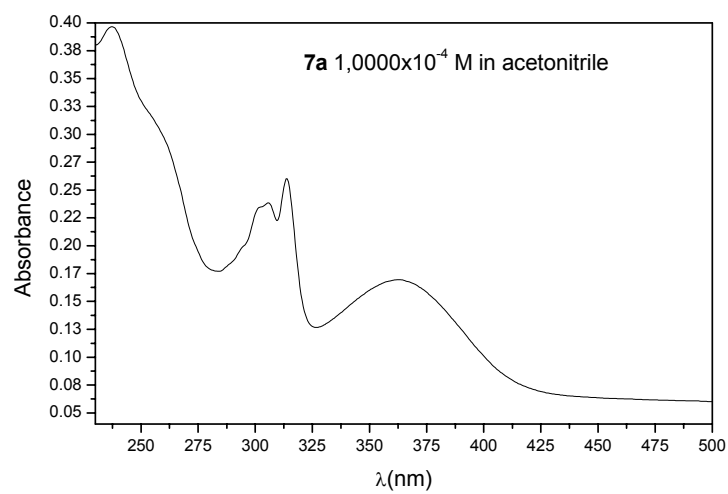


Figure S5. UV spectra of compound **7a**.

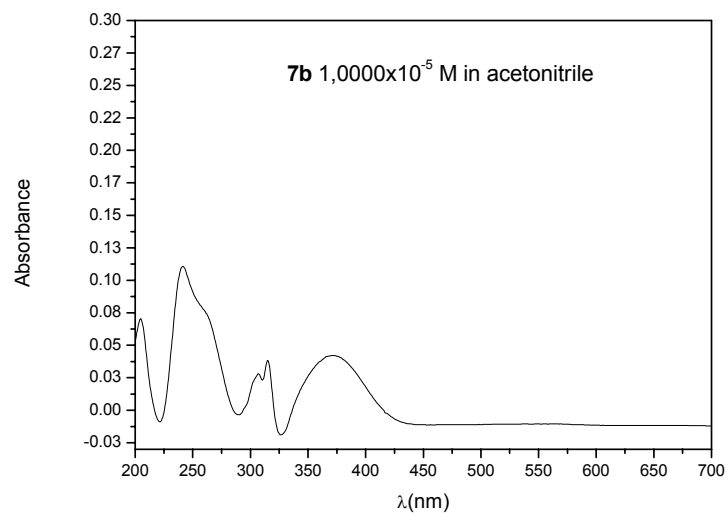


Figure S6. UV spectra of compound **7b**.

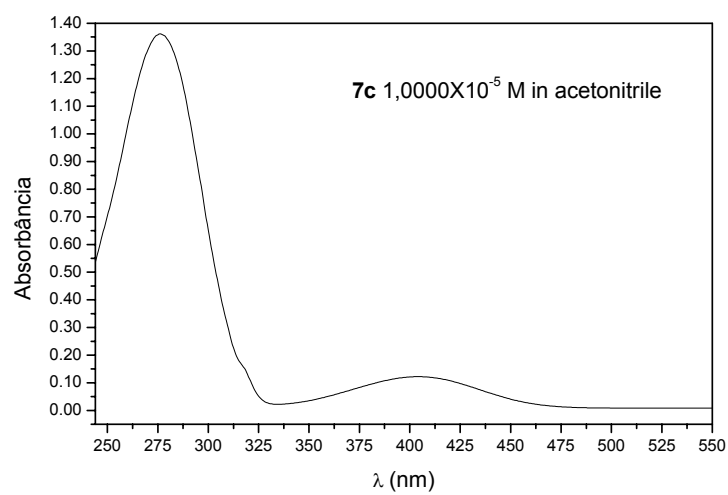


Figure S7. UV spectra of compound **7c**.

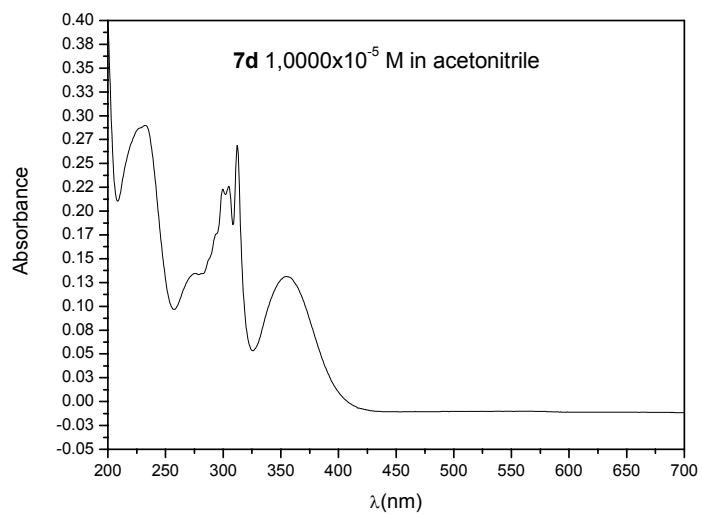


Figure S8. UV spectra of compound **7d**.

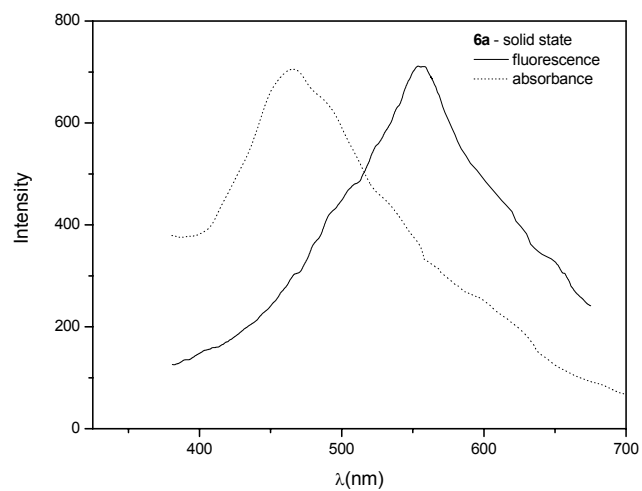


Figure S9. Fluorescence and absorption spectra in solid state of compound **6a**.

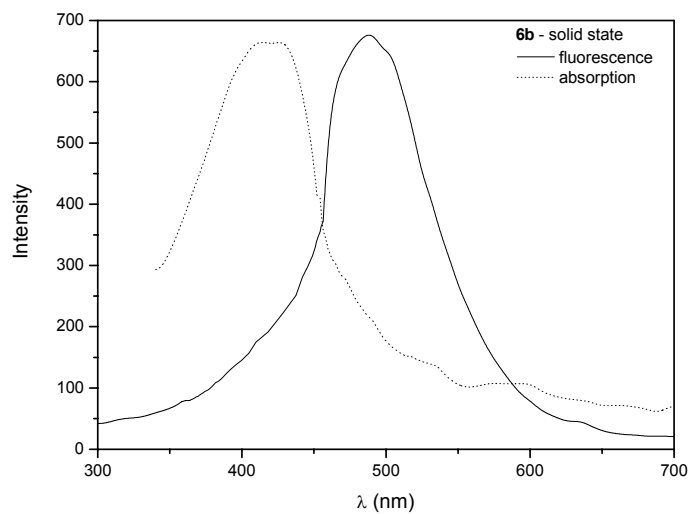


Figure S10. Fluorescence and absorption spectra in solid state of compound **6b**.

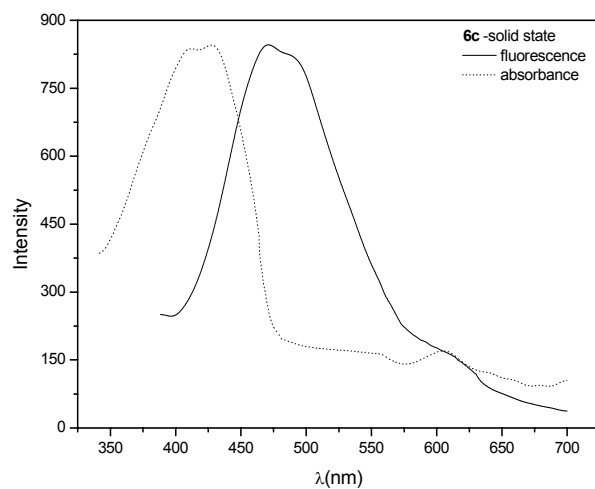


Figure S11. Fluorescence and absorption spectra in solid state of compound **6c**.

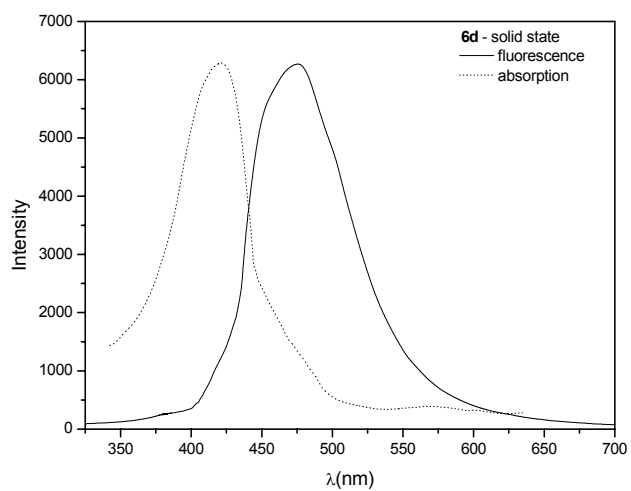


Figure S12. Fluorescence and absorption spectra in solid state of compound **6d**.

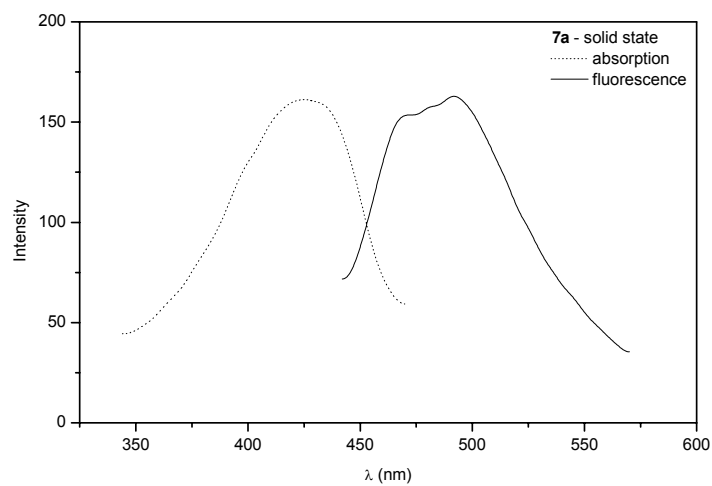


Figure S13. Fluorescence and absorption spectra in solid state of compound **7a**.

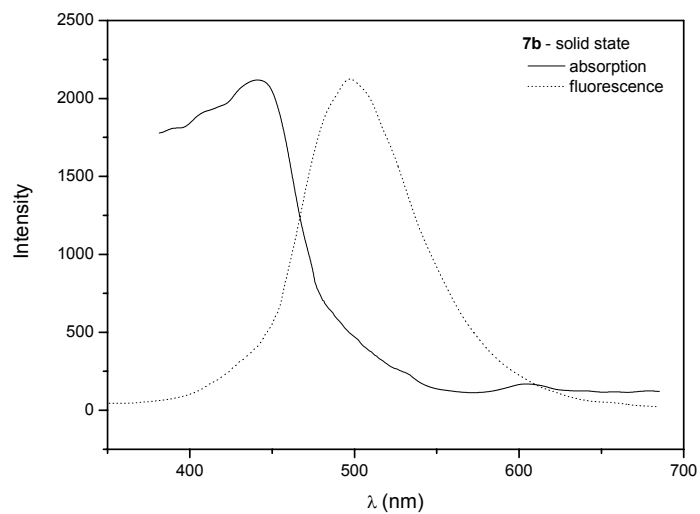


Figure S14. Fluorescence and absorption spectra in solid state of compound **7b**.

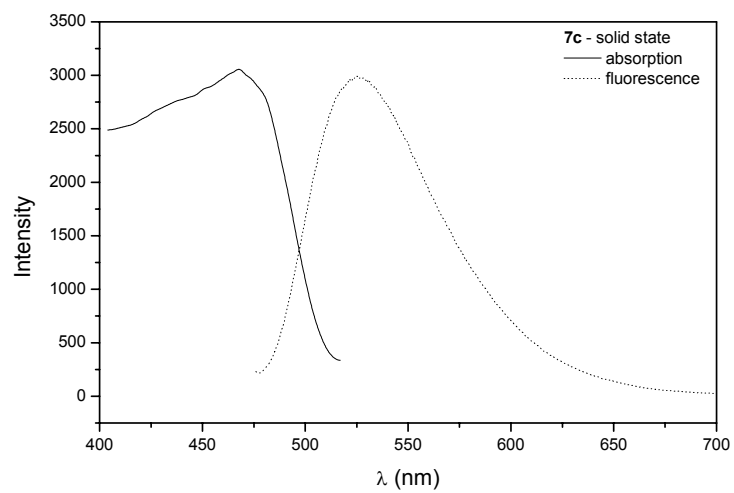


Figure S15. Fluorescence and absorption spectra in solid state of compound **7c**.

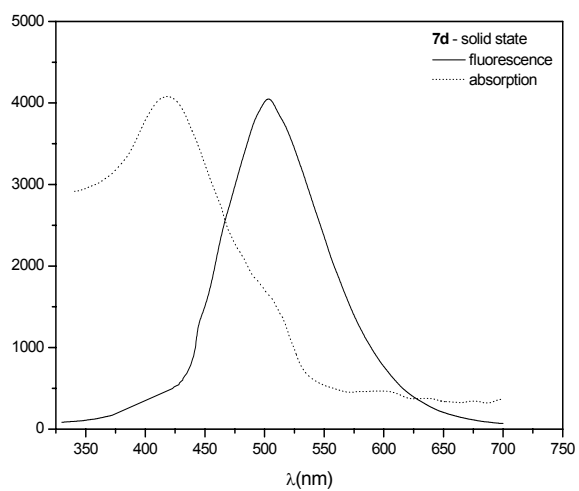


Figure S16. Fluorescence and absorption spectra in solid state of compound **7d**.

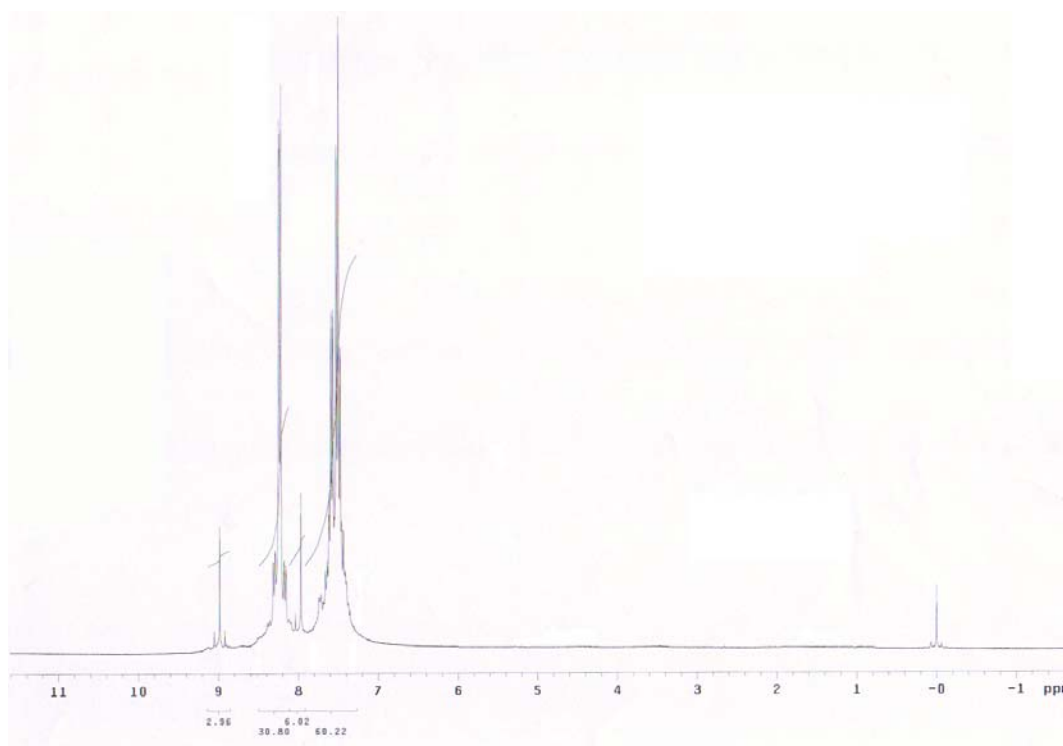


Figure S17. ^1H NMR (CDCl_3 – 300 MHz) of compound **6a**.

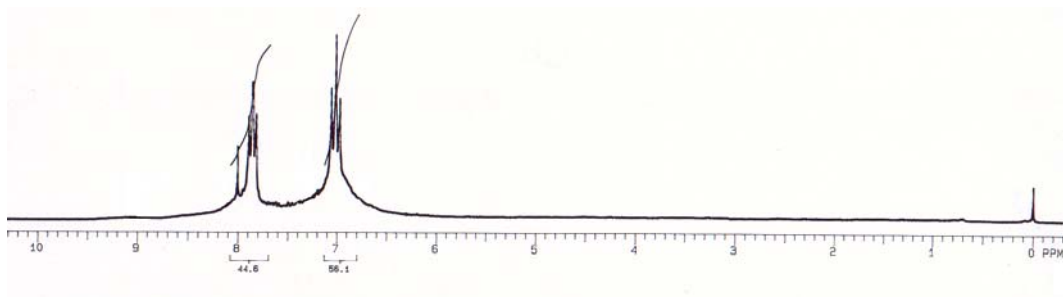


Figure S18. ^1H NMR (CDCl_3 – 200 MHz) of compound **6b**.

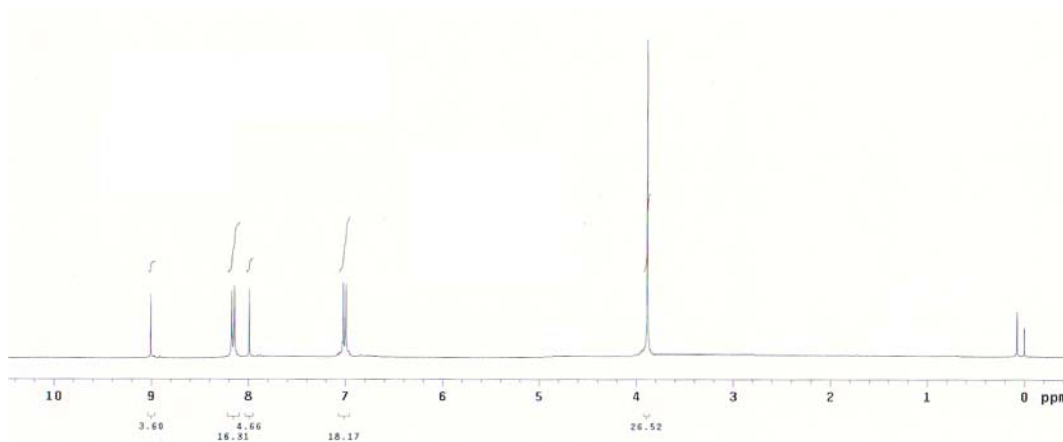


Figure S19. ^1H NMR (CDCl_3 – 300 MHz) of compound **6c**.

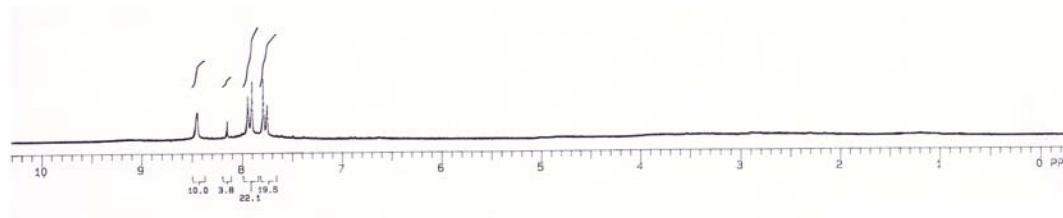


Figure S20. ^1H NMR (CDCl_3 – 200 MHz) of compound **6d**.

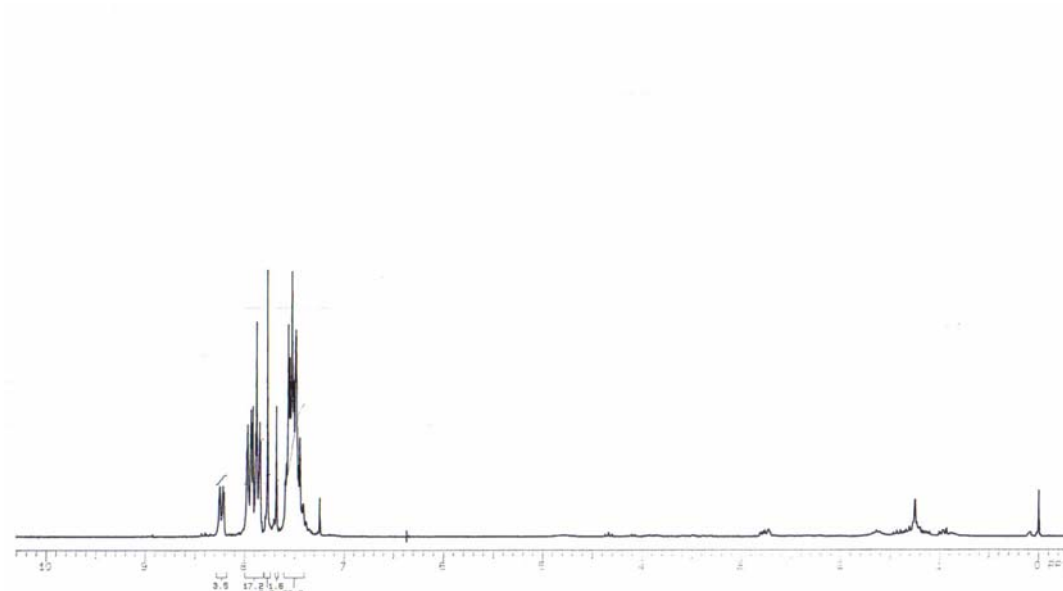


Figure S21. ^1H NMR (CDCl_3 – 200 MHz) of compound **7a**.

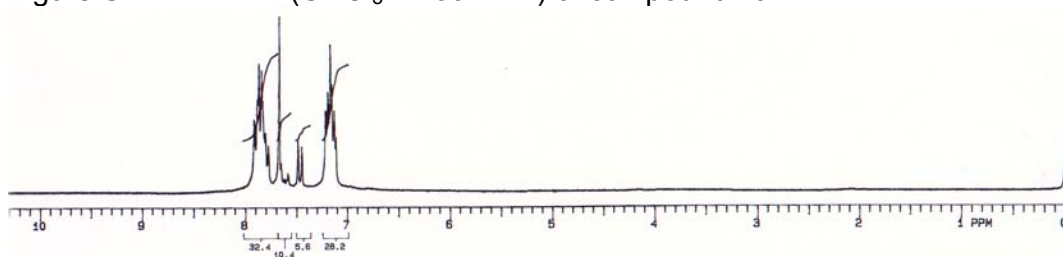


Figure S22. ^1H NMR (CDCl_3 – 200 MHz) of compound **7b**.

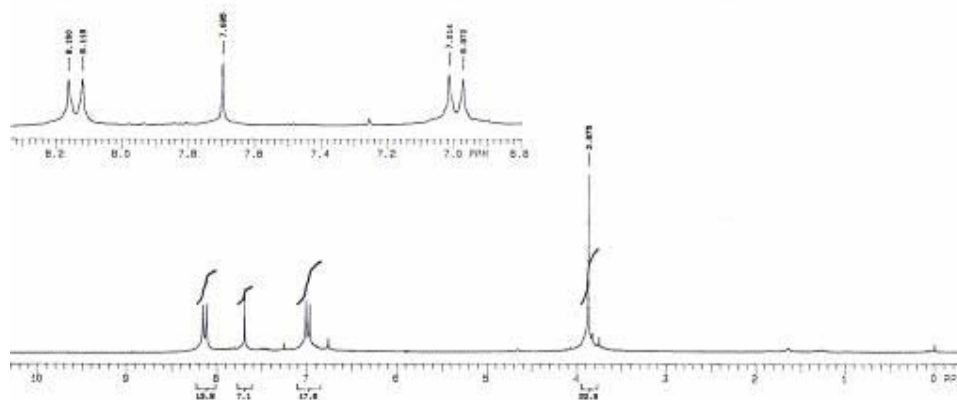


Figure S23. ^1H NMR (DMSO-d_6 – 300 MHz) of compound **7c**.

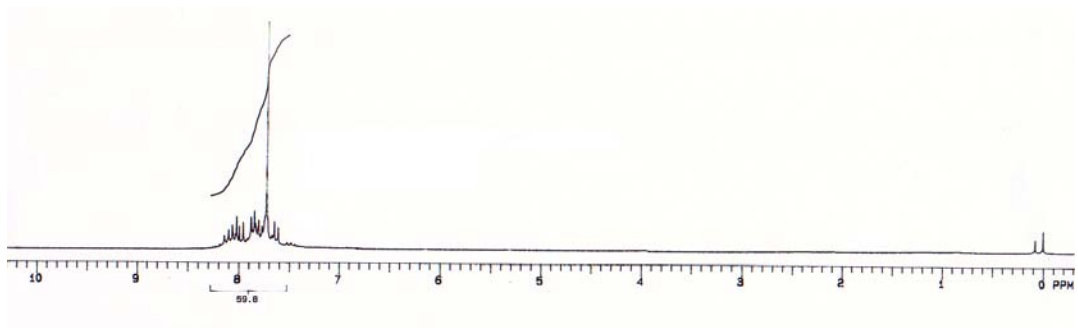


Figure S24. ^1H NMR (CDCl_3 – 200 MHz) of compound **7d**.



Figure S25. ^{13}C NMR-APT- (CDCl_3 – 75 MHz) of compound **6a**.

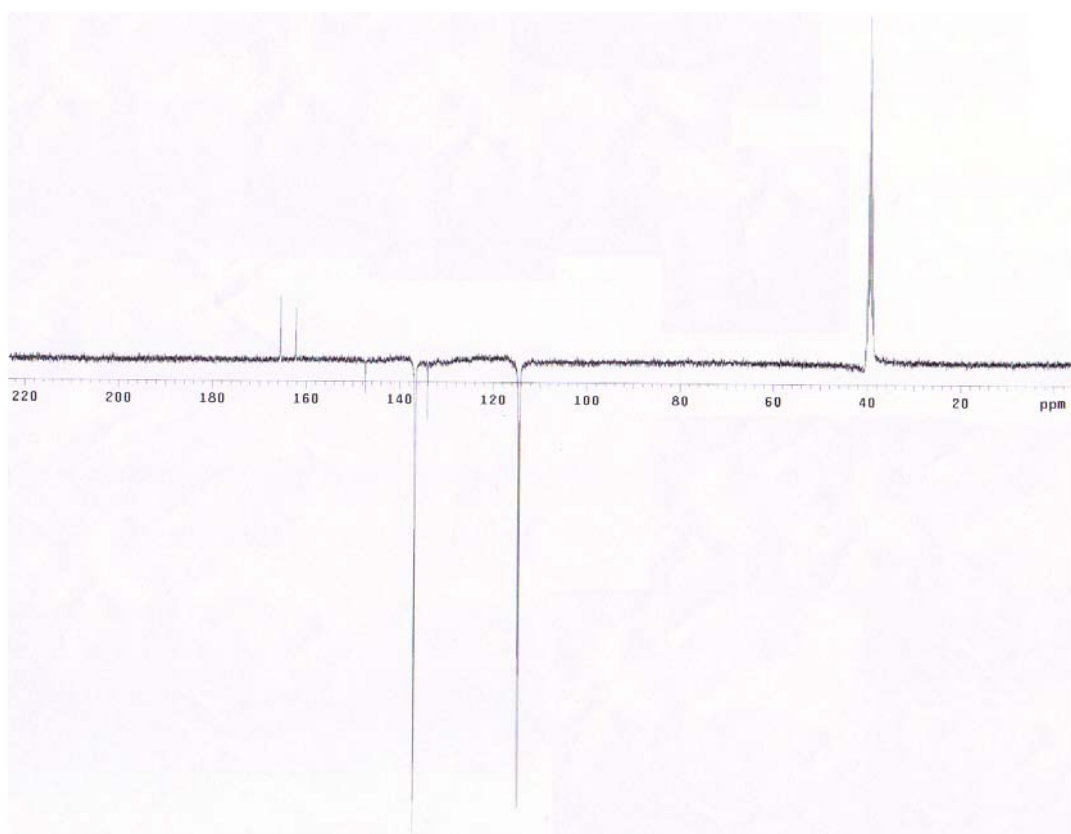


Figure S26. ^{13}C NMR-APT- (DMSO-d_6 – 75 MHz) of compound **6b**.

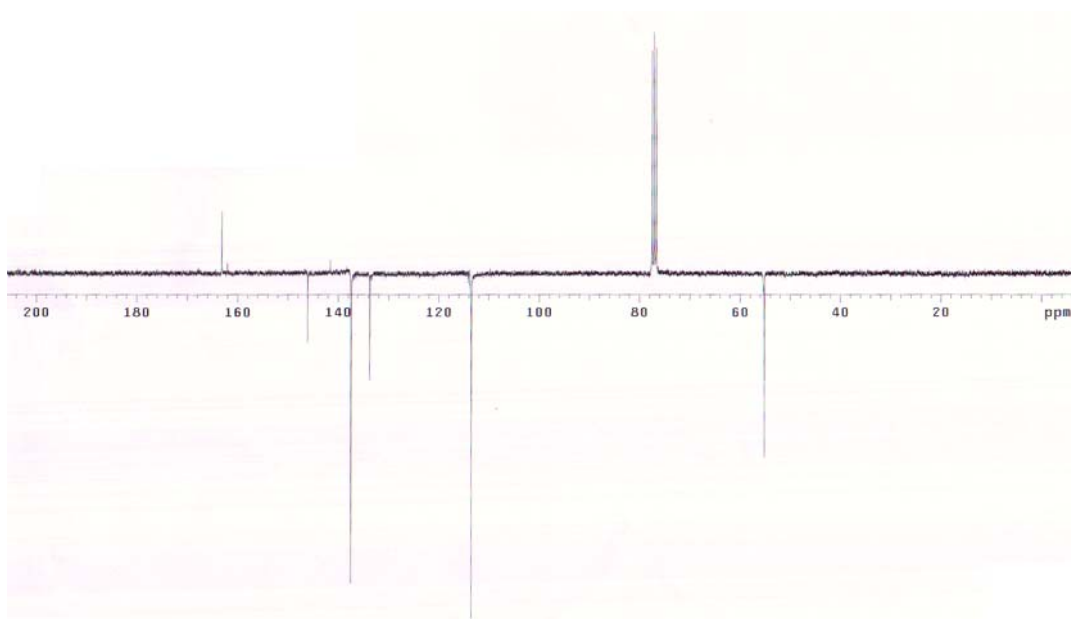


Figure S27. ^{13}C NMR-APT- (CDCl_3 – 75 MHz) of compound **6c**.

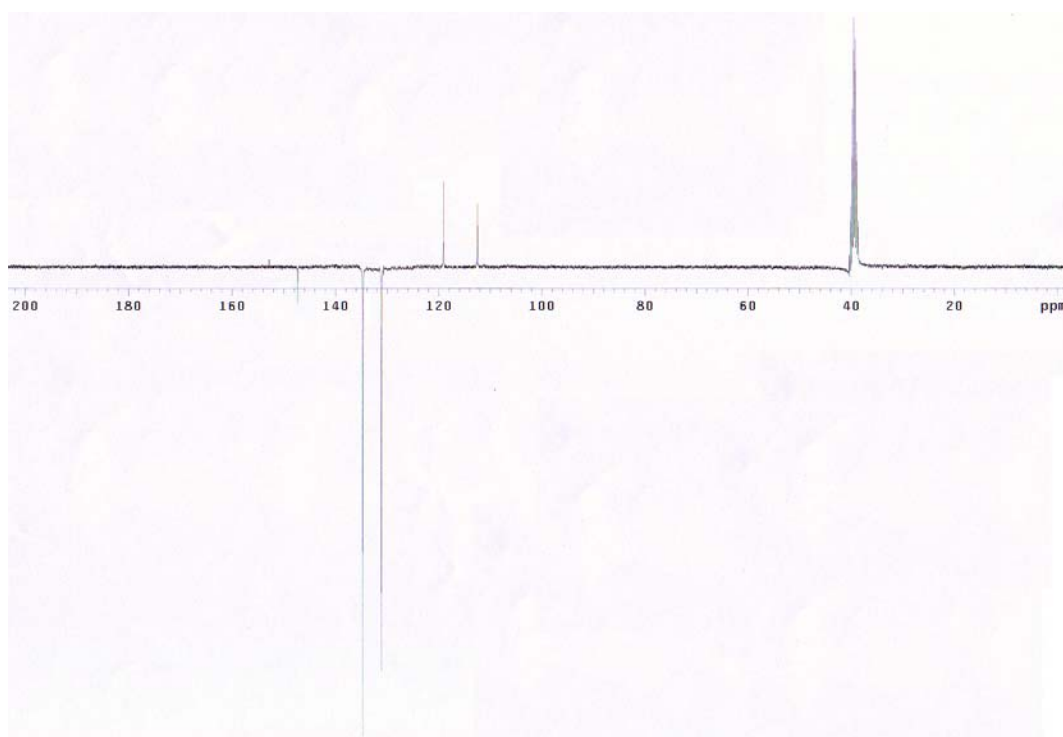


Figure S28. ^{13}C NMR-APT- (DMSO-d_6 – 75 MHz) of compound **6d**.

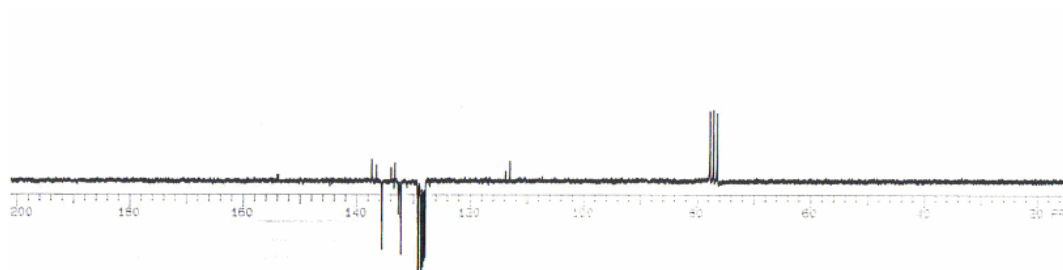


Figure S29. ^{13}C NMR-APT- (CDCl_3 – 50 MHz) of compound **7a**.

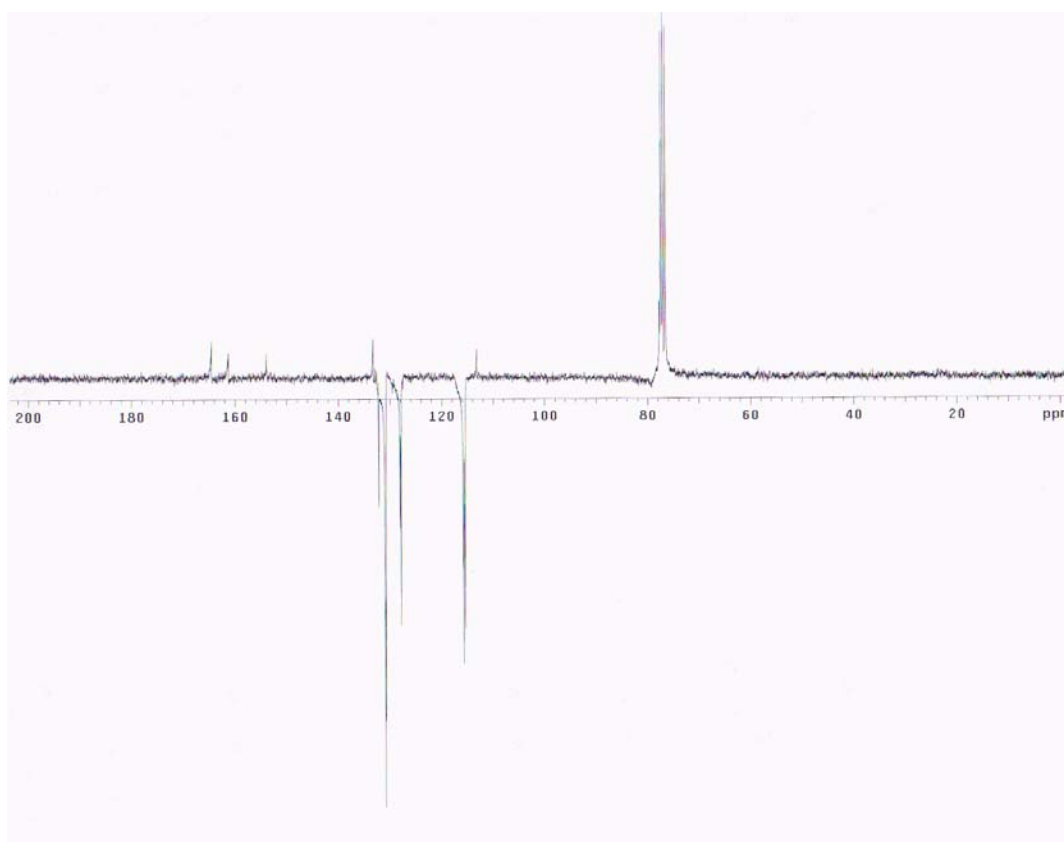


Figure S30. ^{13}C NMR-APT- (CDCl_3 – 75 MHz) of compound **7b**.

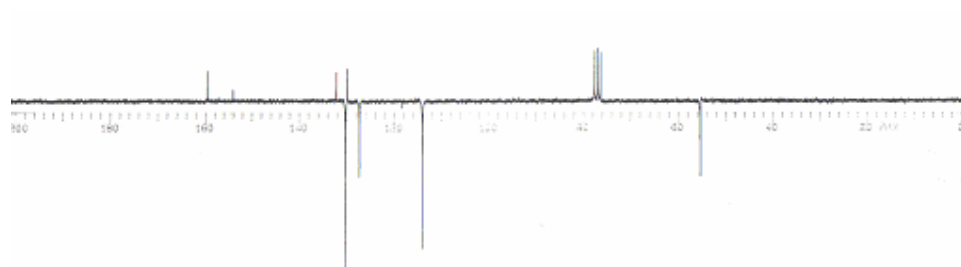


Figure S31. ^{13}C NMR-APT- (CDCl_3 – 50 MHz) of compound **7c**.

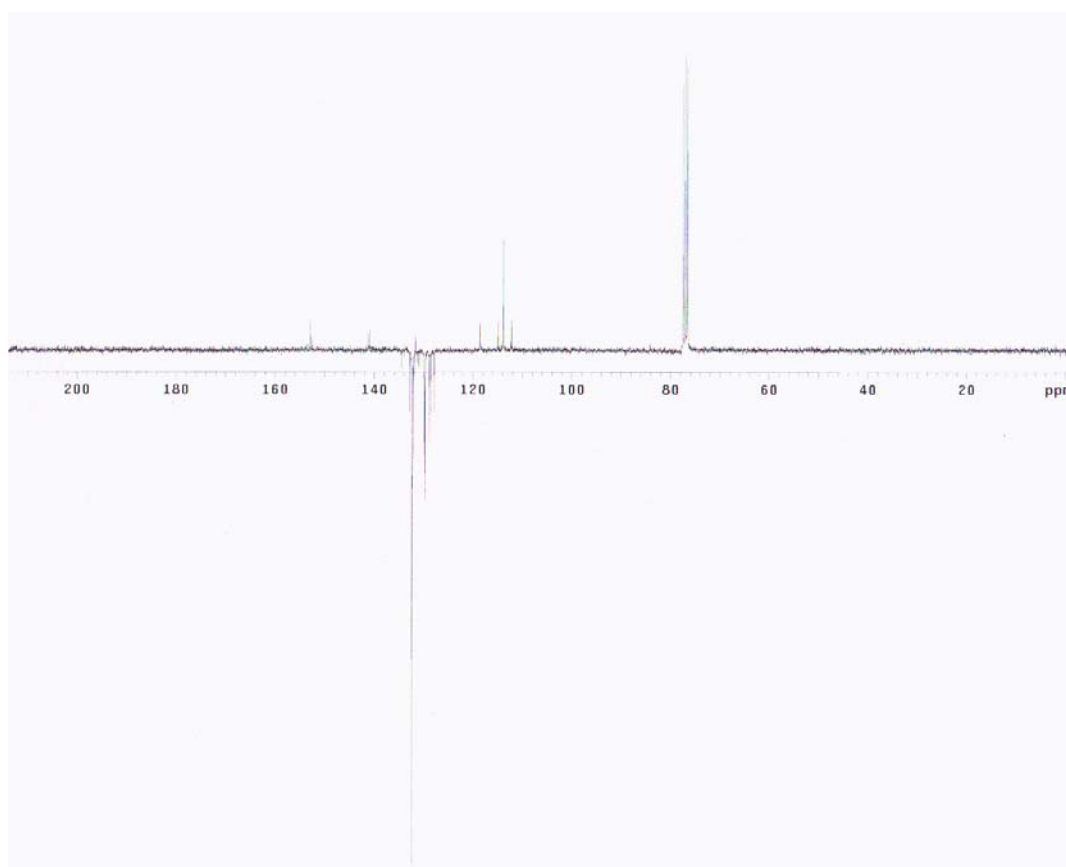


Figure S32. ^{13}C NMR-APT- (CDCl_3 – 75 MHz) of compound **7d**.

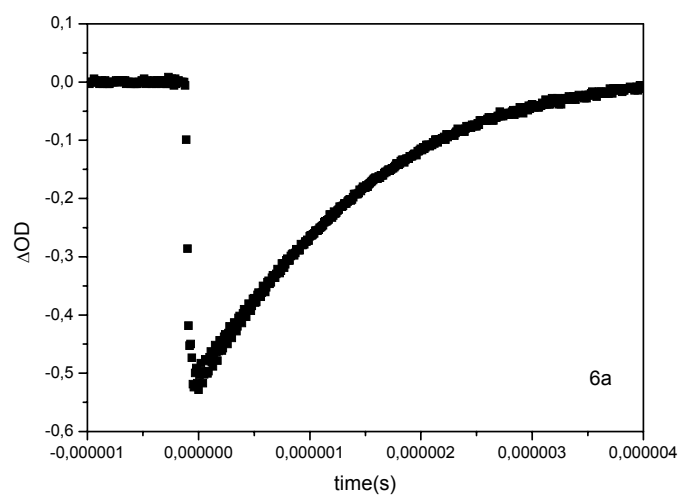


Figure S33. Transient for compound **6a**.

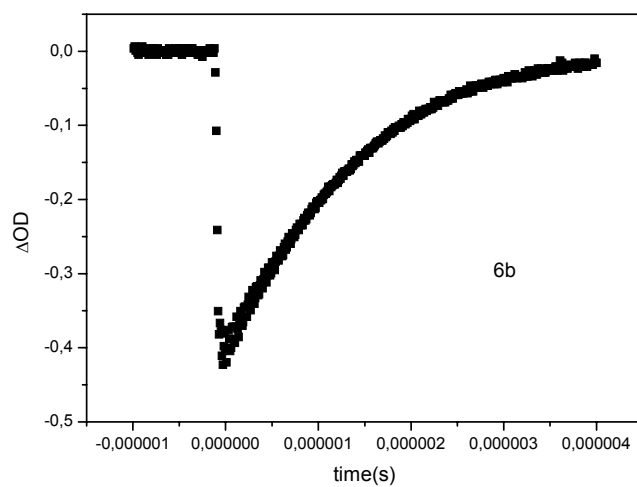


Figure S34. Transient for compound **6b**.

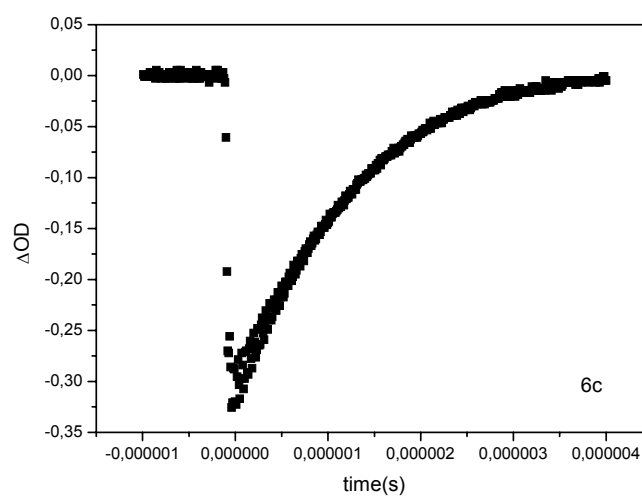


Figure S35. Transient for compound **6c**.

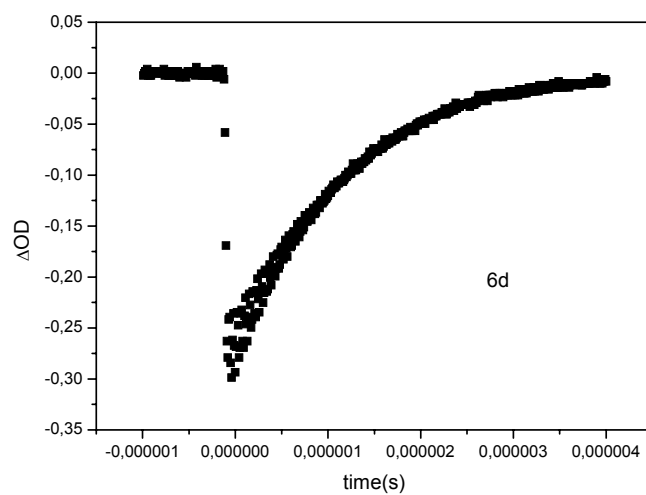


Figure S36. Transient for compound **6d**.

Compounds **7a** and **7c** see previous report (Tetrahedron **2005**, 61, 10975)

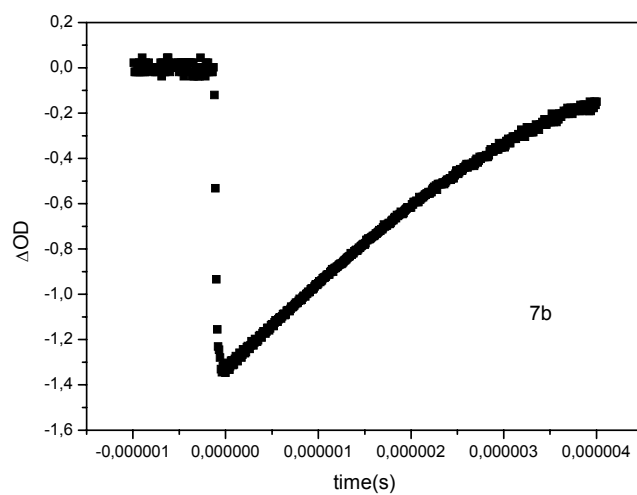


Figure S37. Transient for compound **7b**.

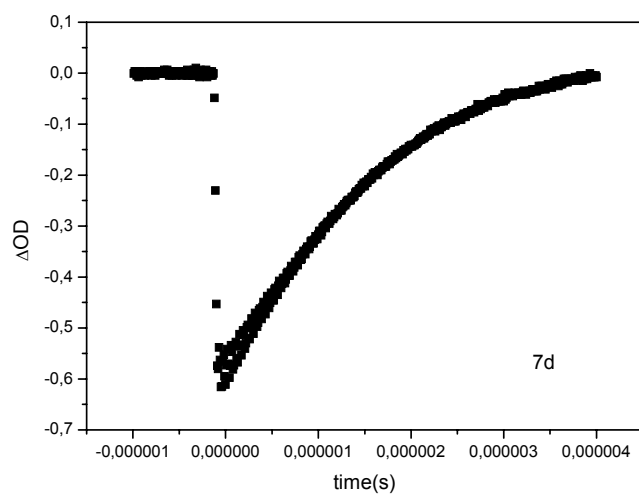


Figure S38. Transient for compound **7d**.

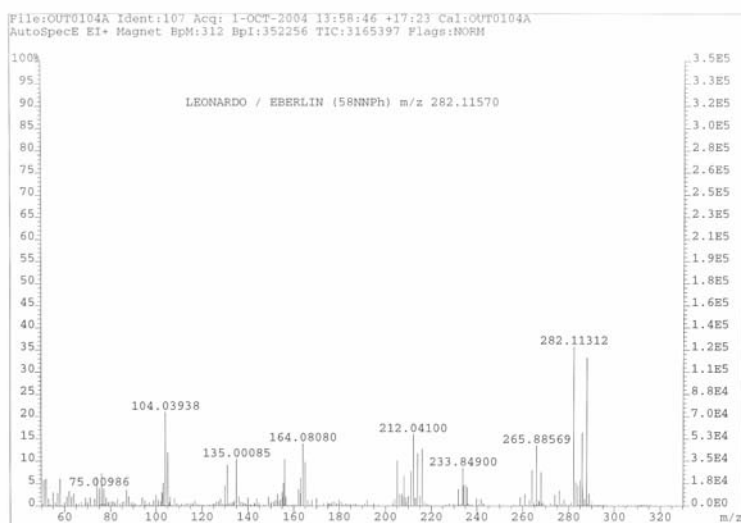


Figure S39. HR/MS for compound **6a**.

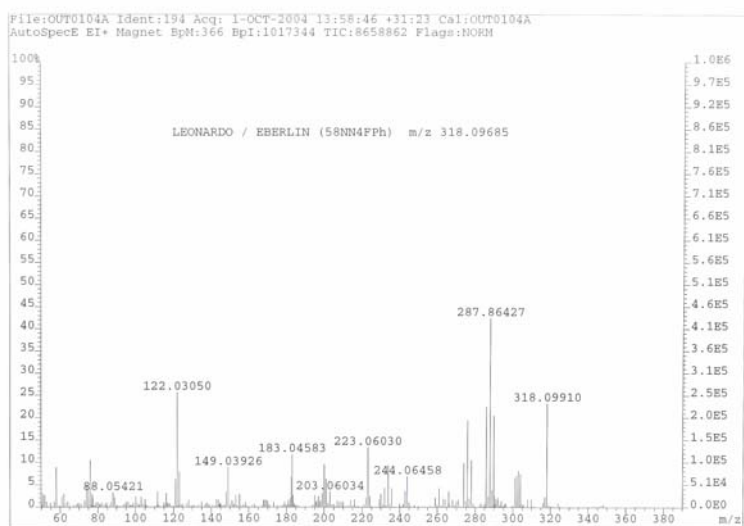


Figure S40. HR/MS for compound **6b**.

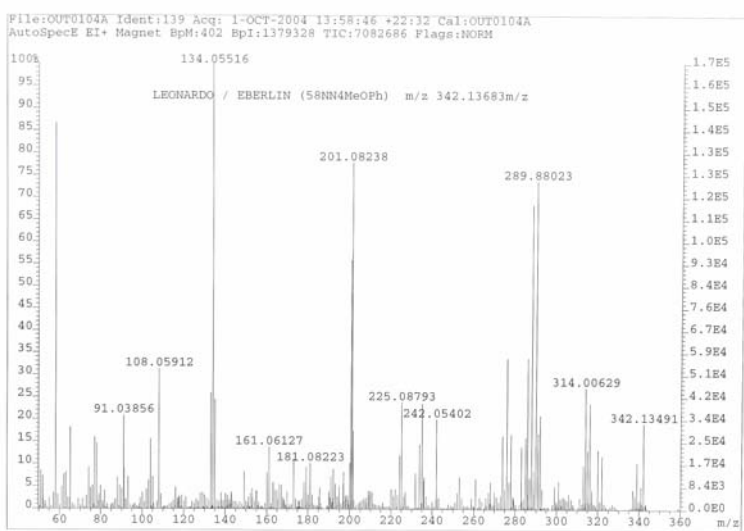


Figure S41. HR/MS for compound **6c**.

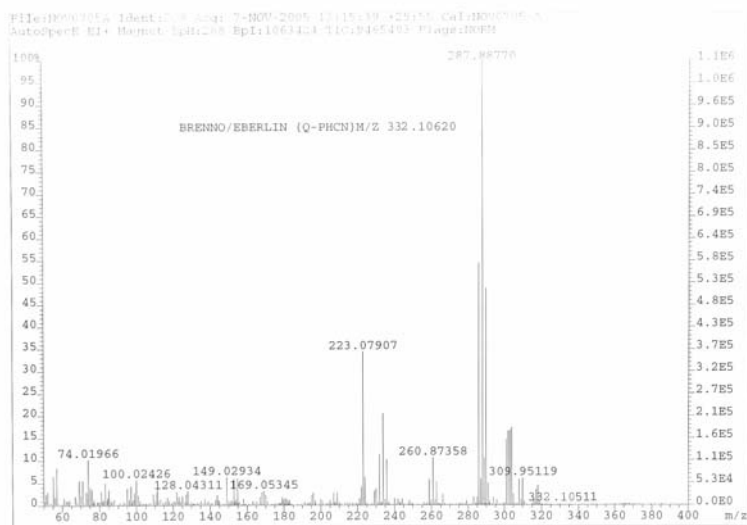


Figure S42. HR/MS for compound **6d**.

For HR/MS of compounds **7a** and **7c** see previous report (Tetrahedron **2005**, **61**, 10975)

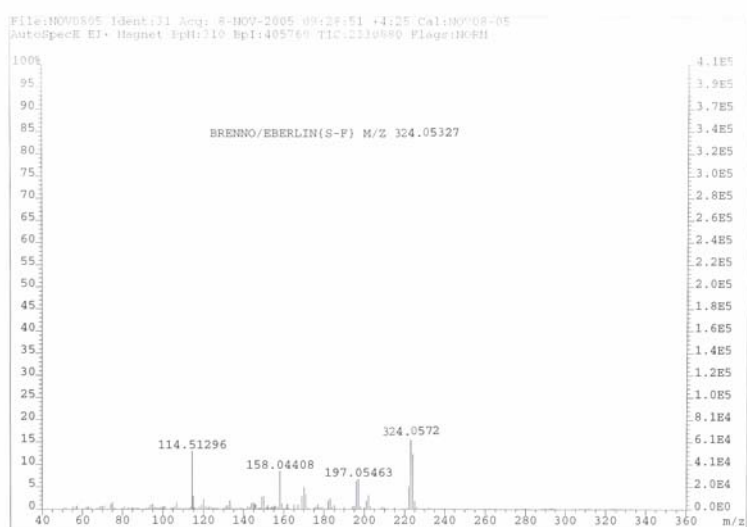


Figure S43. HR/MS for compound **7b**.

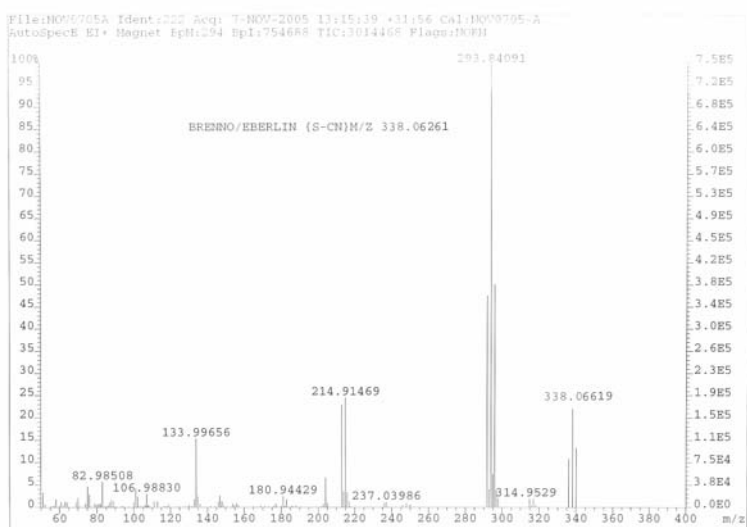


Figure S44. HR/MS for compound **7d**.

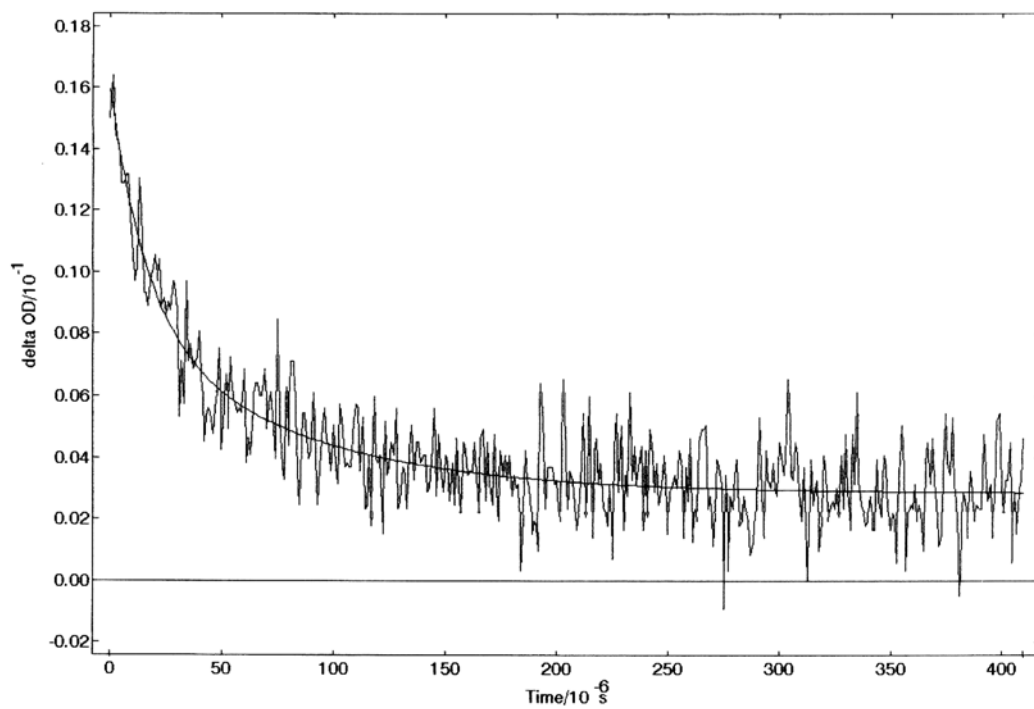


Figure S45. Triplet decay at 470 nm and monoexponential fit for compound **6a**.

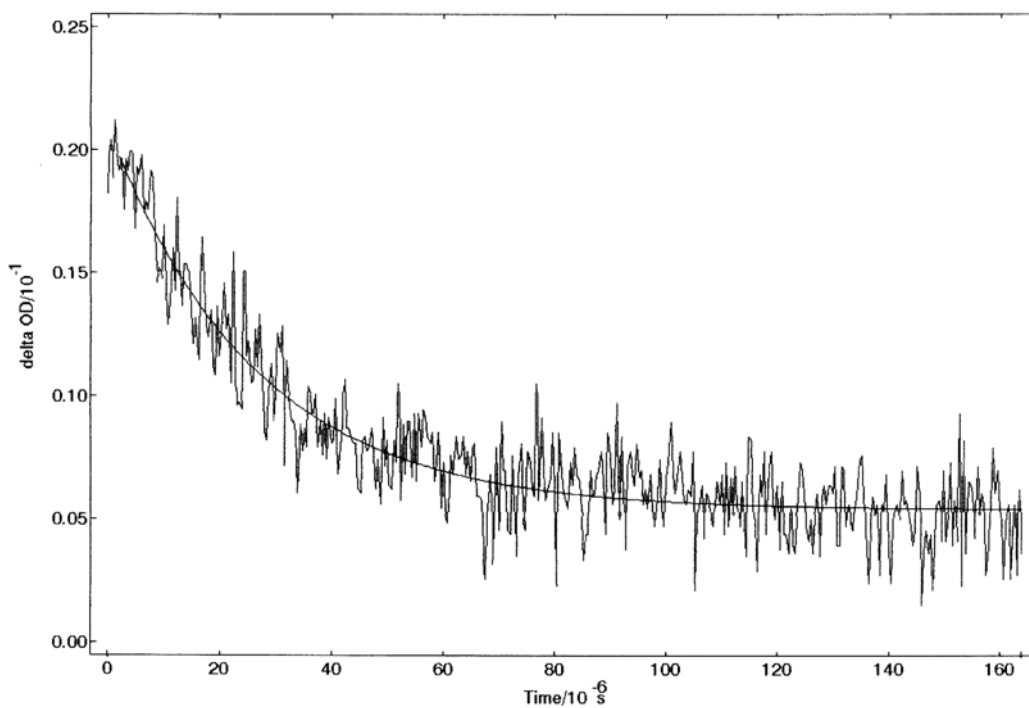


Figure S46. Triplet decay at 470 nm and monoexponential fit for compound **6b**.

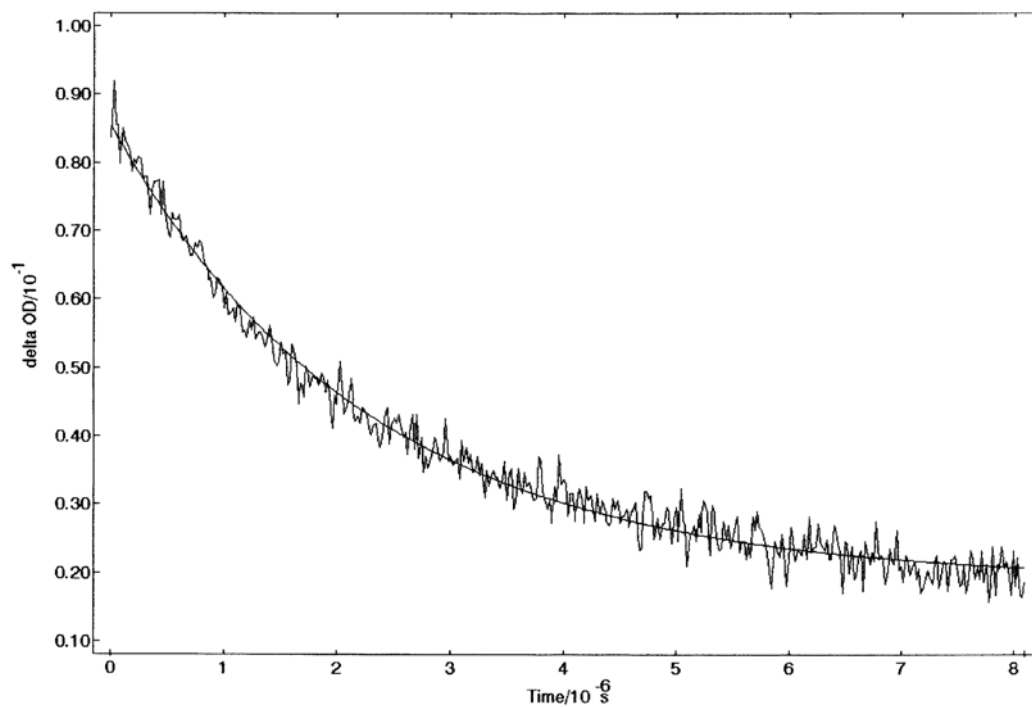


Figure S47. Triplet decay at 470 nm and monoexponential fit for compound **6c**.

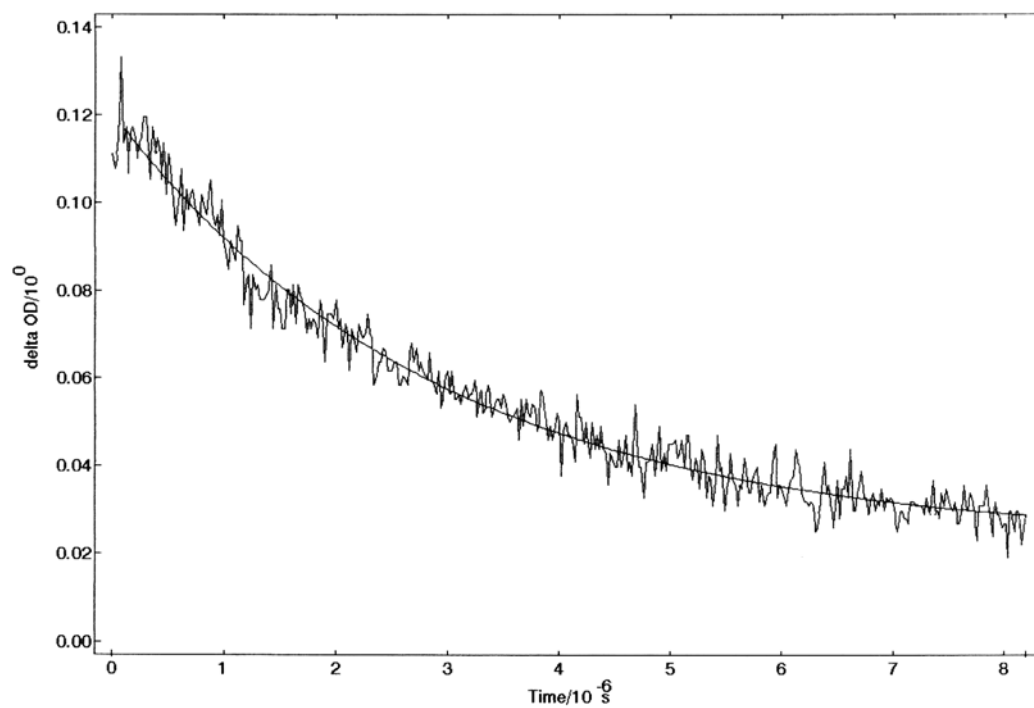


Figure S48. Triplet decay at 470 nm and monoexponential fit for compound **6d**.