

Supporting Information

NI-BODIPY-GO Nanocomposites for Targeted PDT

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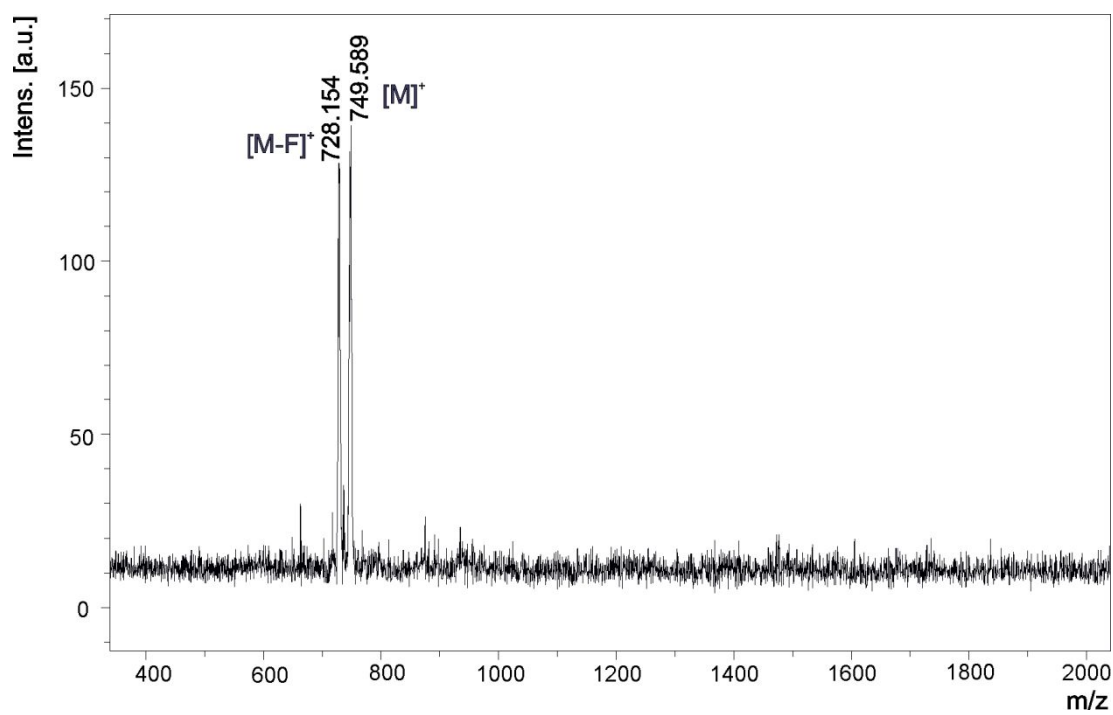


Figure S1. MALDI-MS spectrum of compound 5

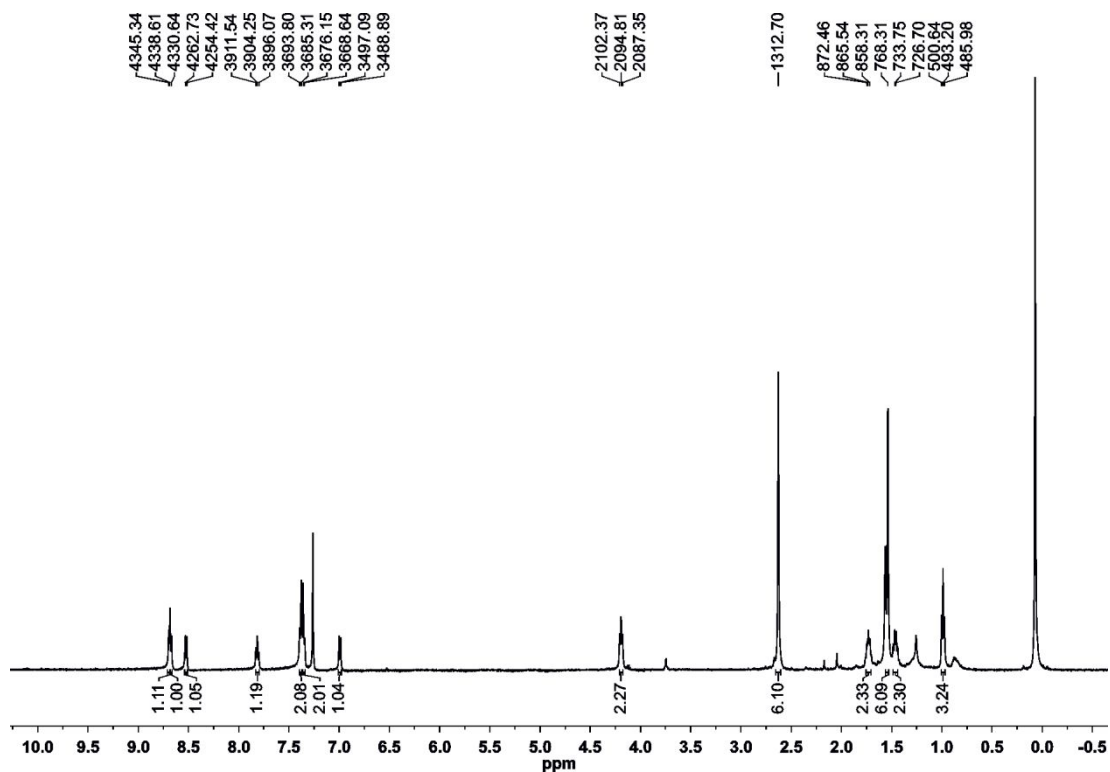


Figure S2. ^1H NMR spectrum of compound 5 in CDCl_3

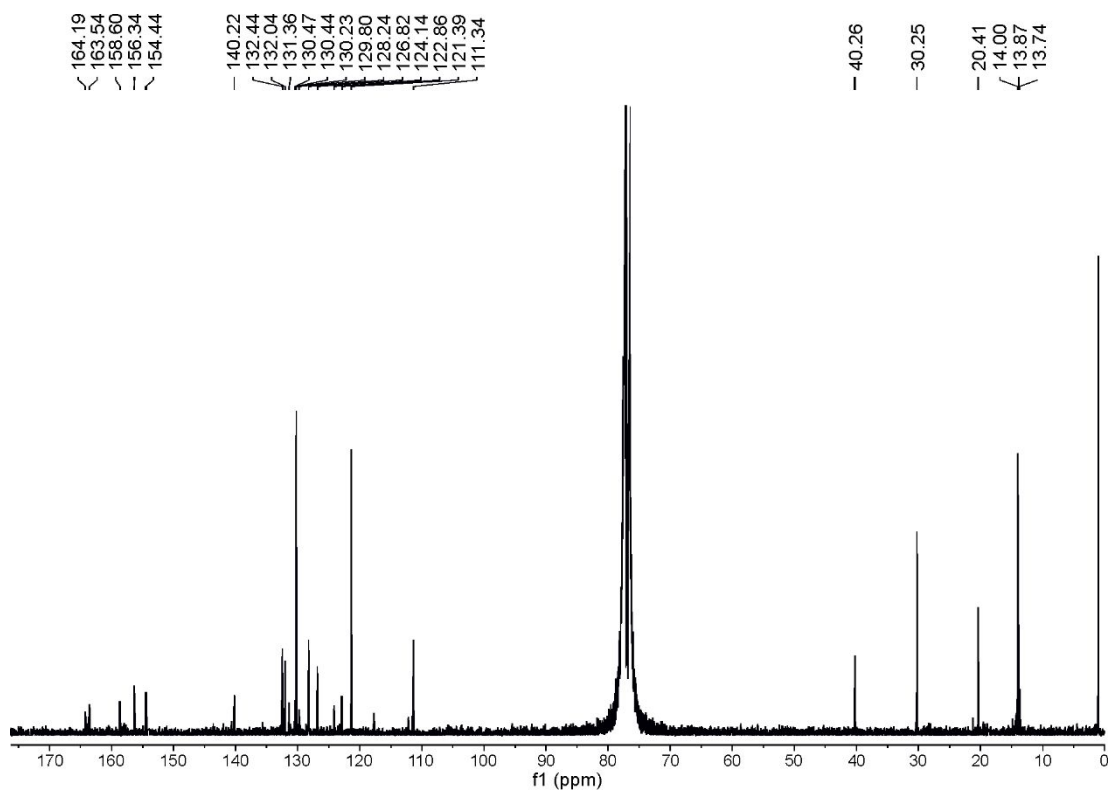


Figure S3. ^{13}C NMR spectrum of compound **5** in CDCl_3

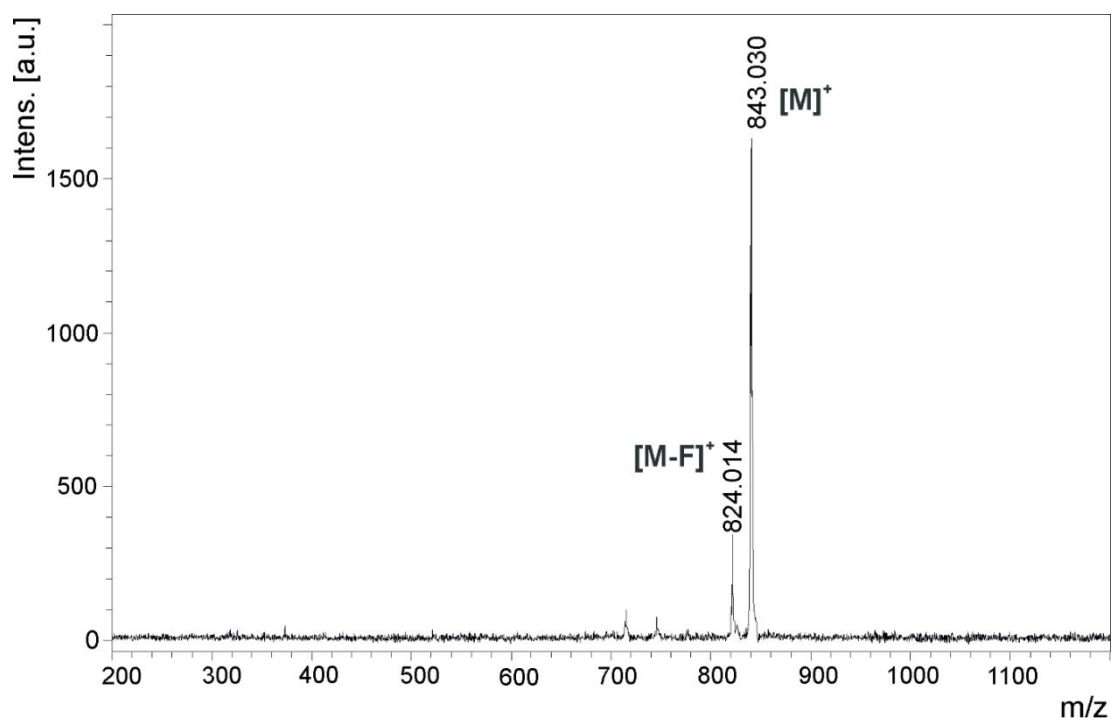


Figure S4. MALDI-MS spectrum of compound **6**

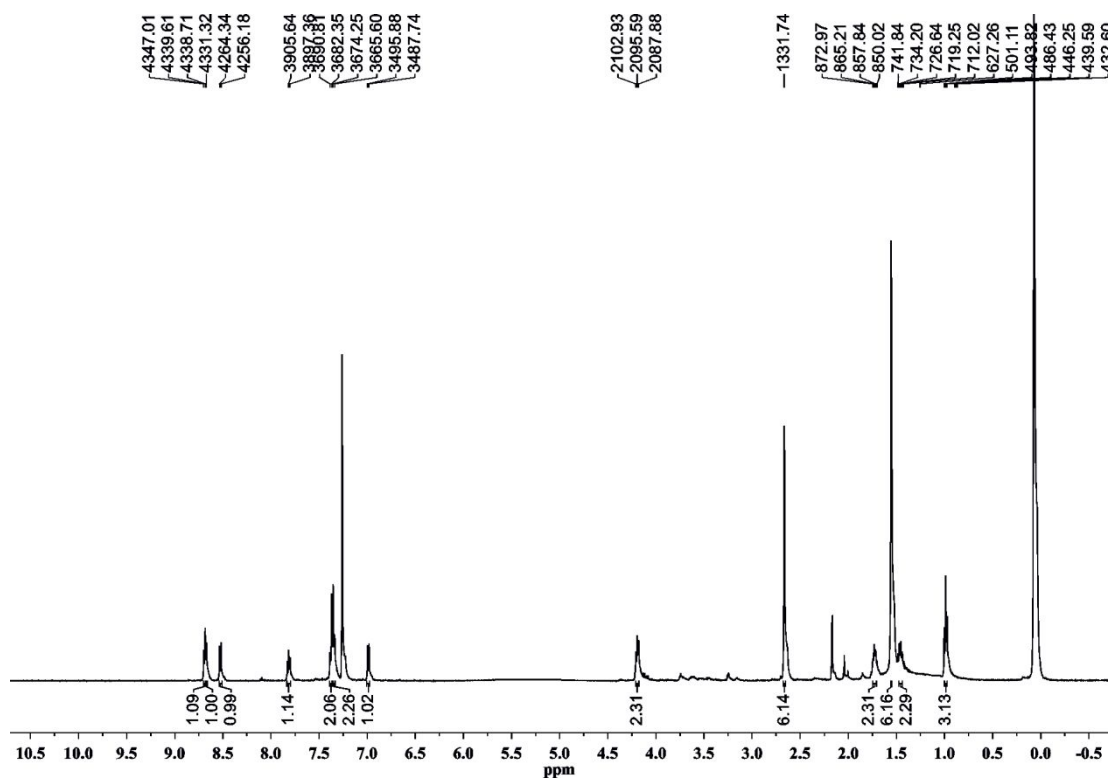


Figure S5. ^1H NMR spectrum of compound **6** in CDCl_3

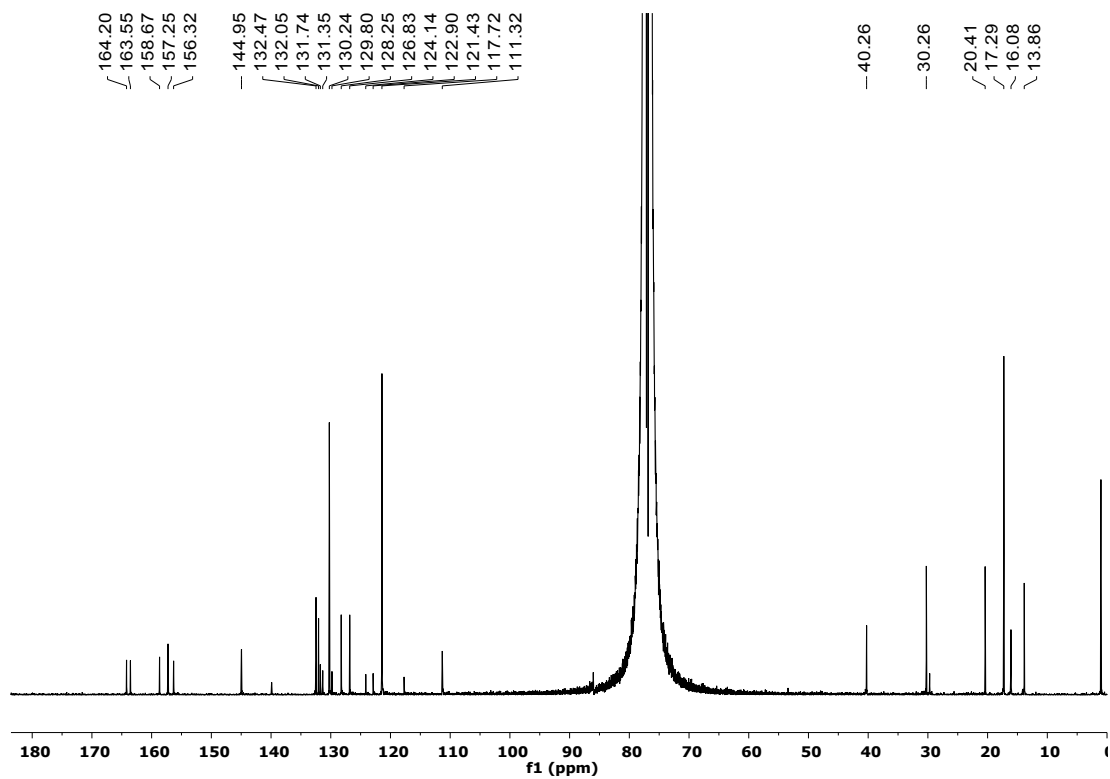


Figure S6. ^{13}C NMR spectrum of compound **6** in CDCl_3

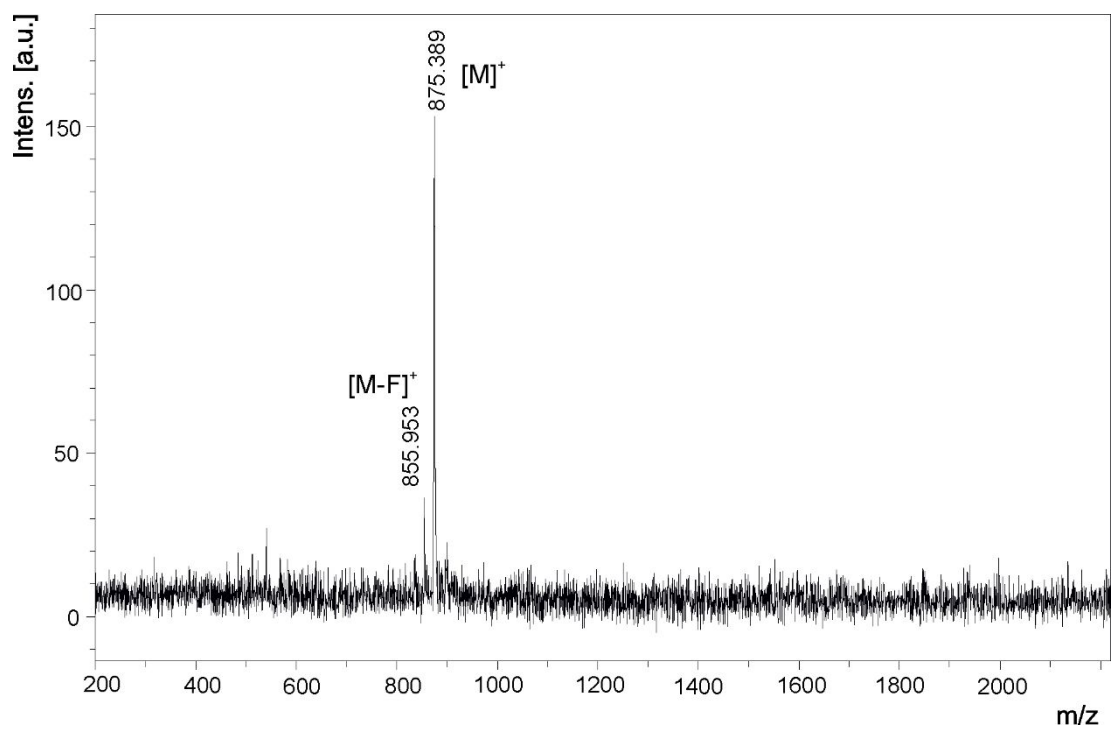


Figure S7. MALDI-MS spectrum of compound 7

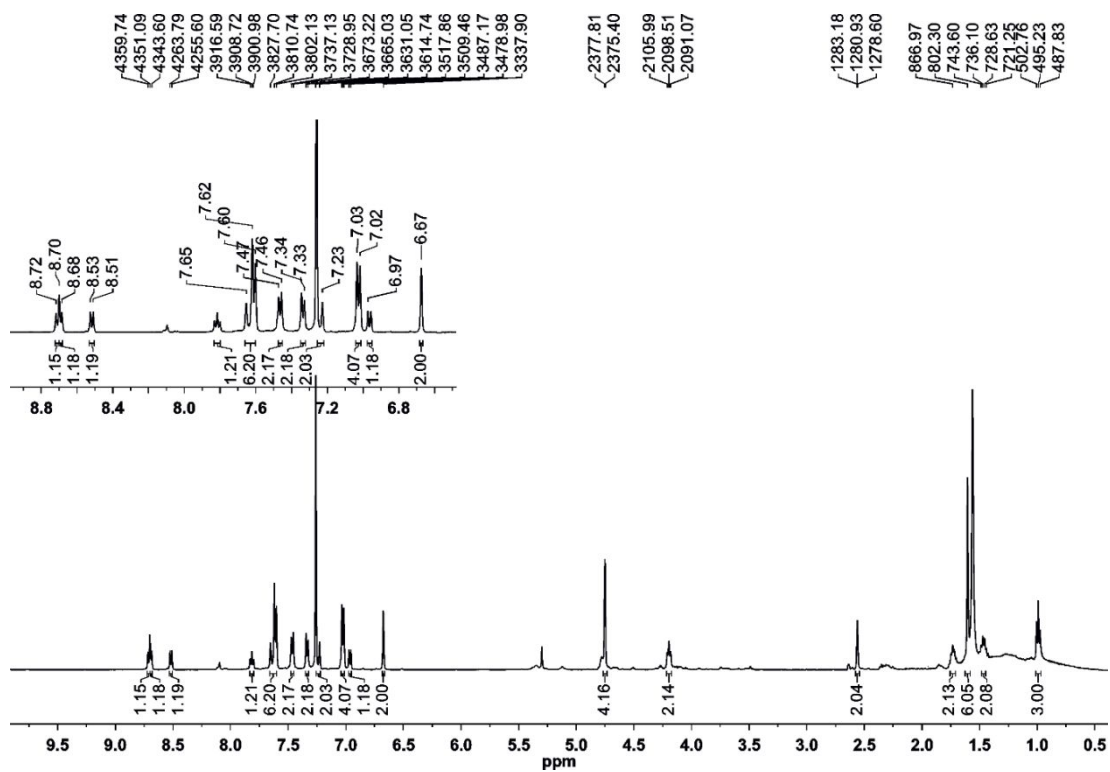


Figure S8. ¹H NMR spectrum of compound 7 in CDCl₃

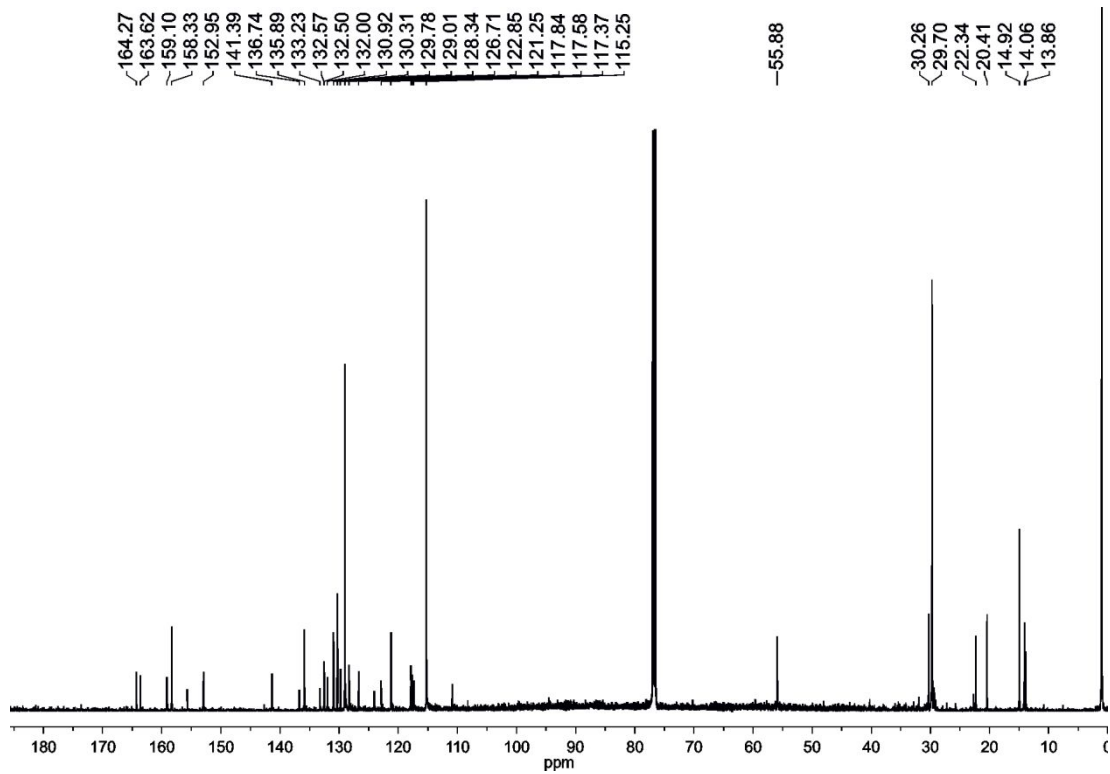


Figure S9. ^{13}C NMR spectrum of compound **7** in CDCl_3

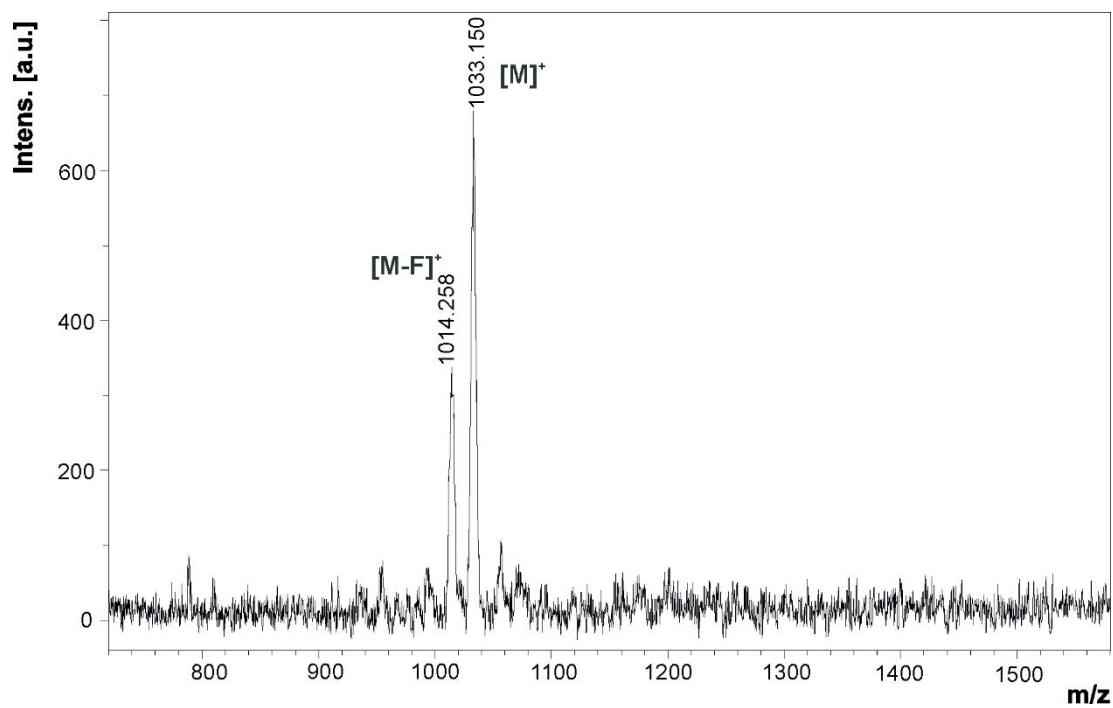


Figure S10. MALDI-MS spectrum of compound **8**

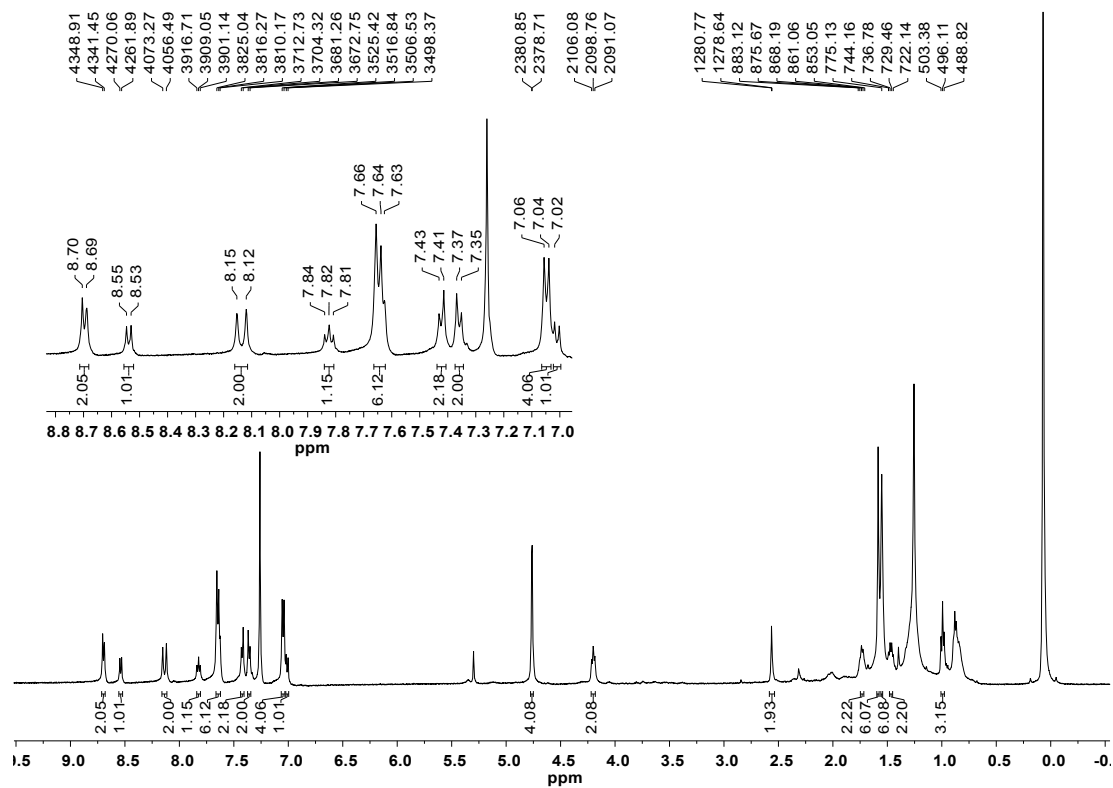


Figure S11. ¹H NMR spectrum of compound **8** in CDCl₃

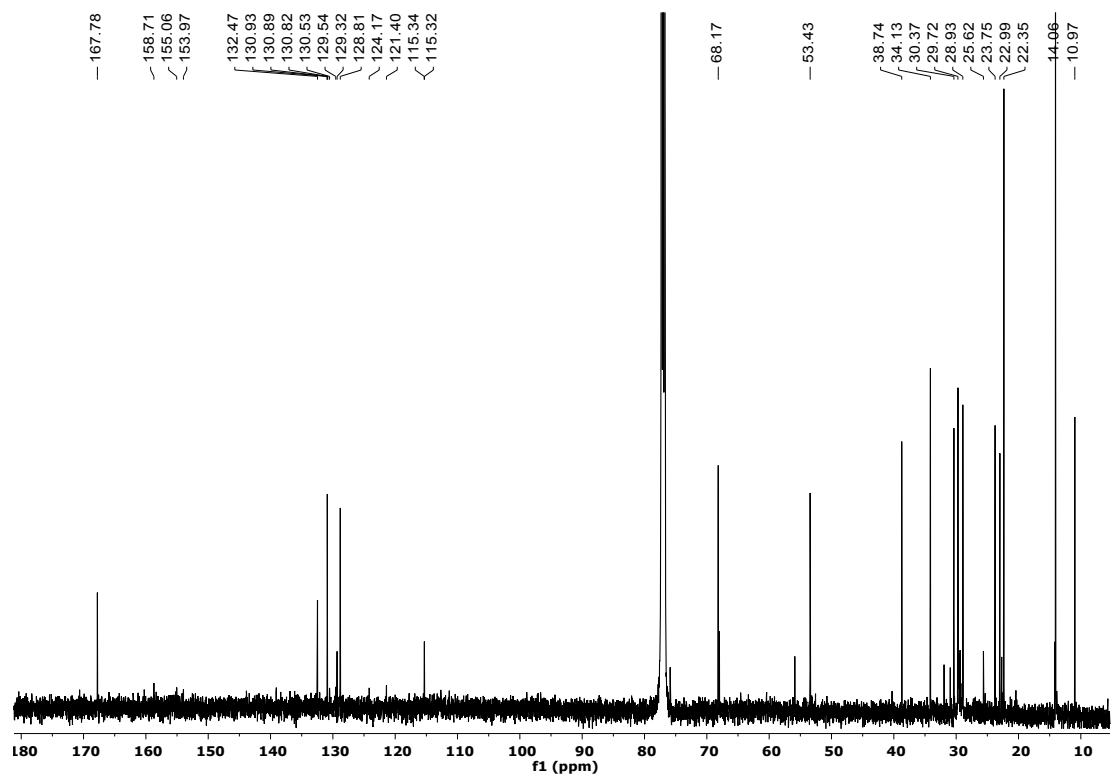


Figure S12. ¹³C NMR spectrum of compound **8** in CDCl₃

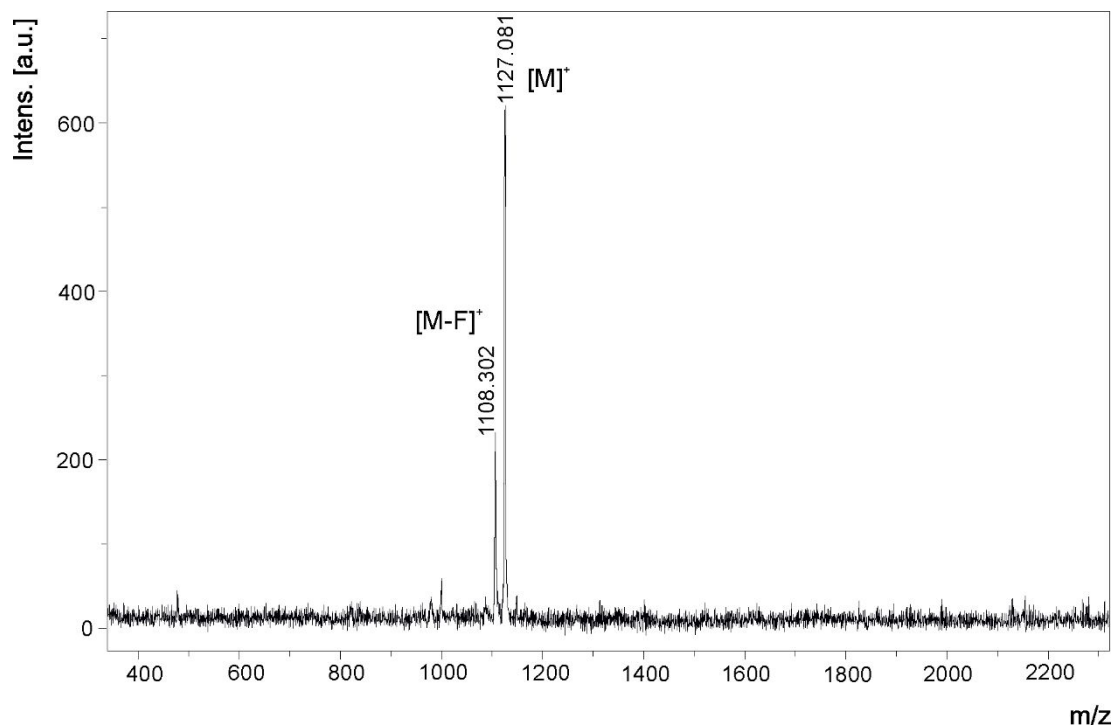


Figure S7. MALDI-MS spectrum of compound 9

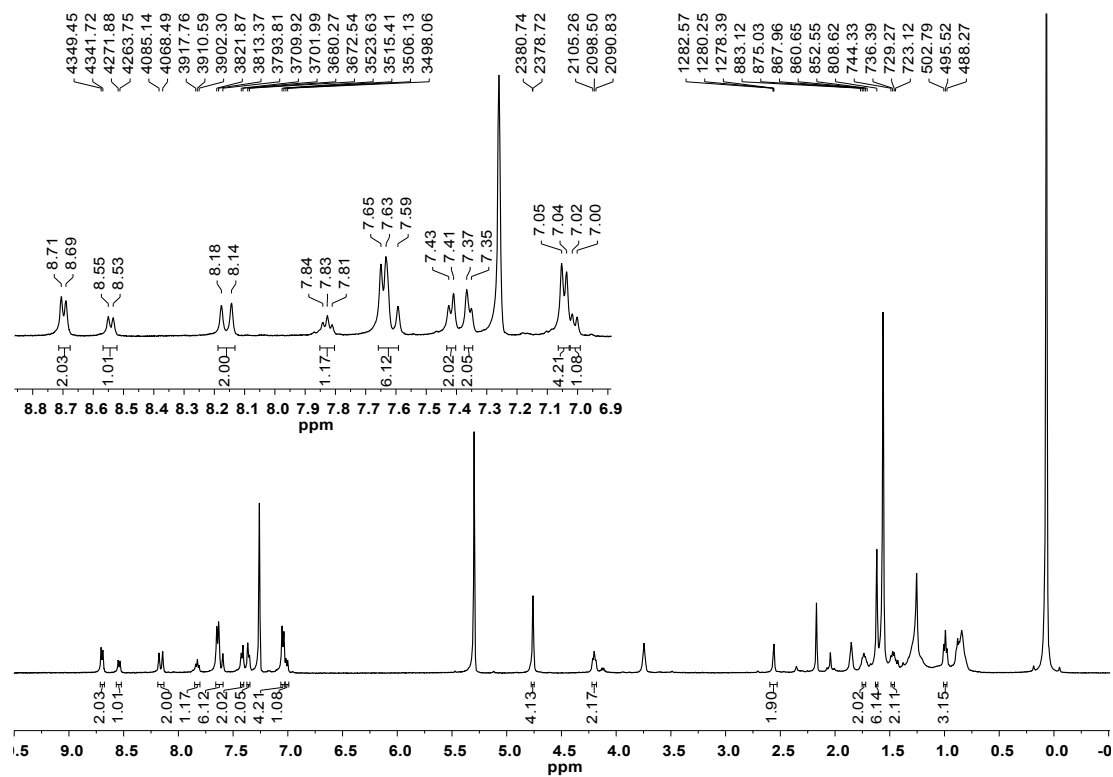


Figure S14. ¹H NMR spectrum of compound 9 in CDCl₃

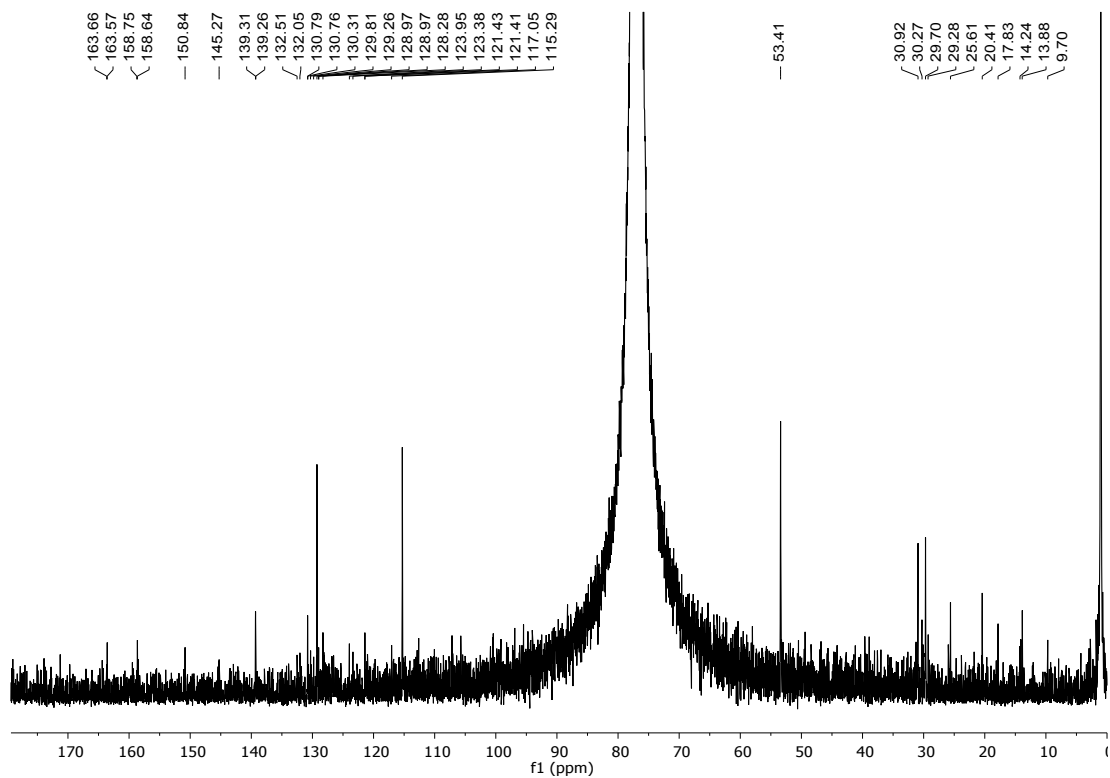


Figure S8. ^{13}C NMR spectrum of compound **9** in CDCl_3

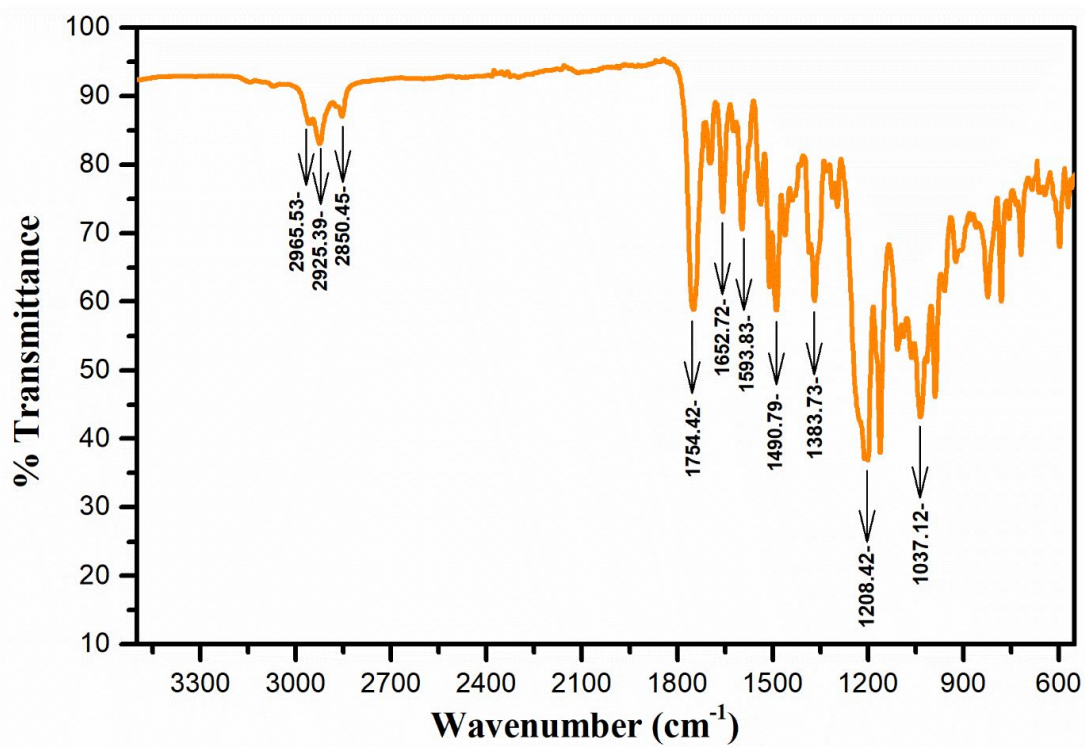


Figure S9. FT-IR spectrum of compound **10**

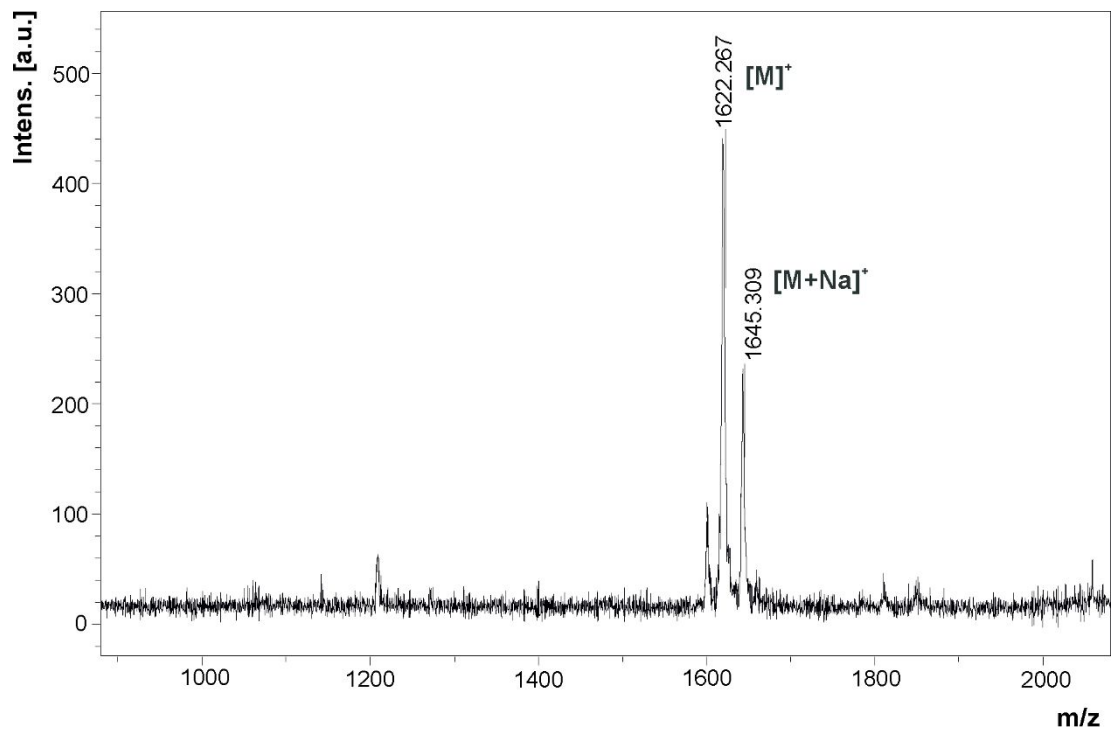


Figure S10. MALDI-MS spectrum of compound **10**

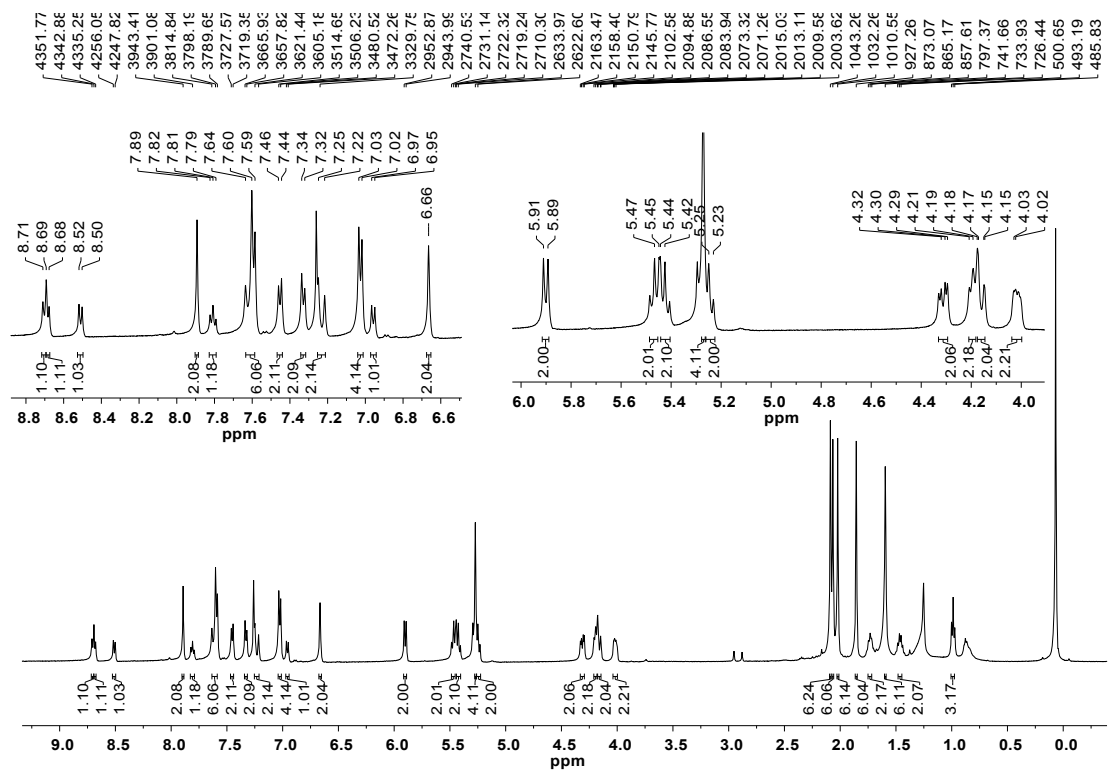


Figure S18. ¹H NMR spectrum of compound **10** in CDCl₃

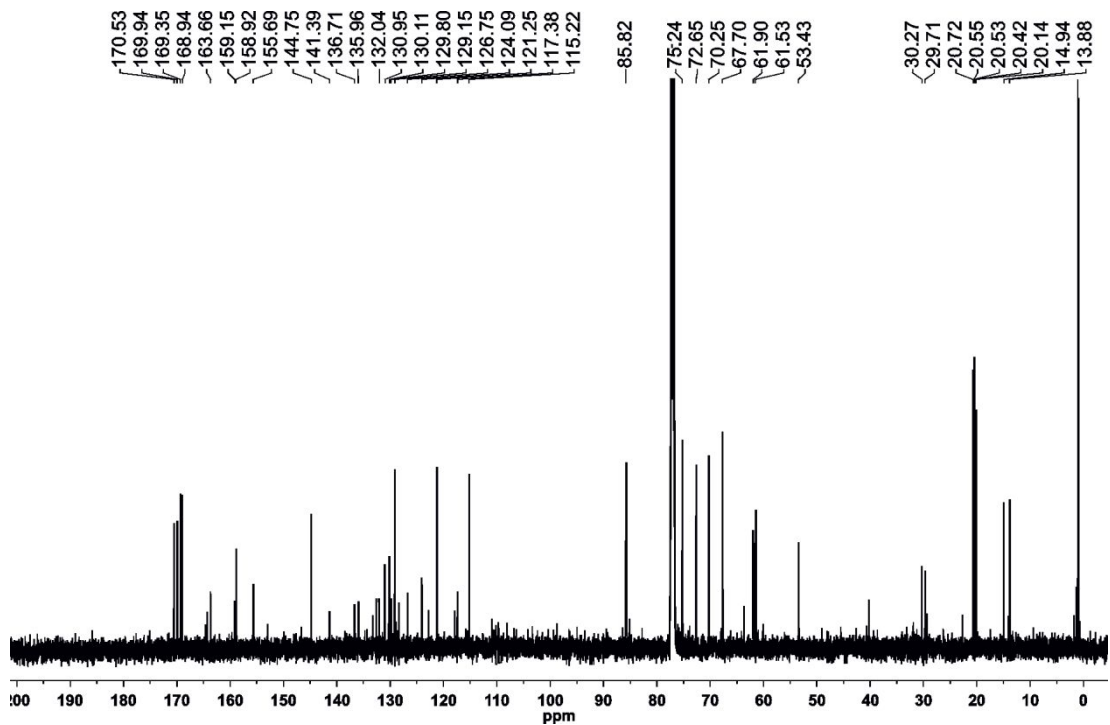


Figure S11. ^{13}C NMR spectrum of compound **10** in CDCl_3

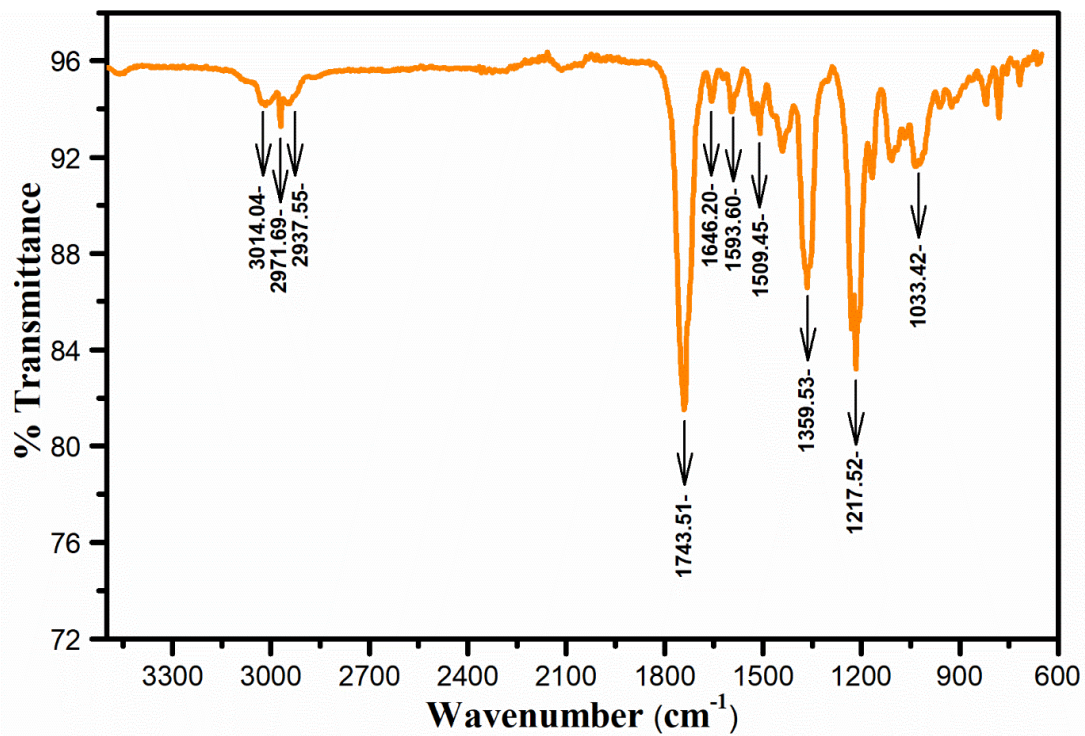


Figure S20. FT-IR spectrum of compound **11**

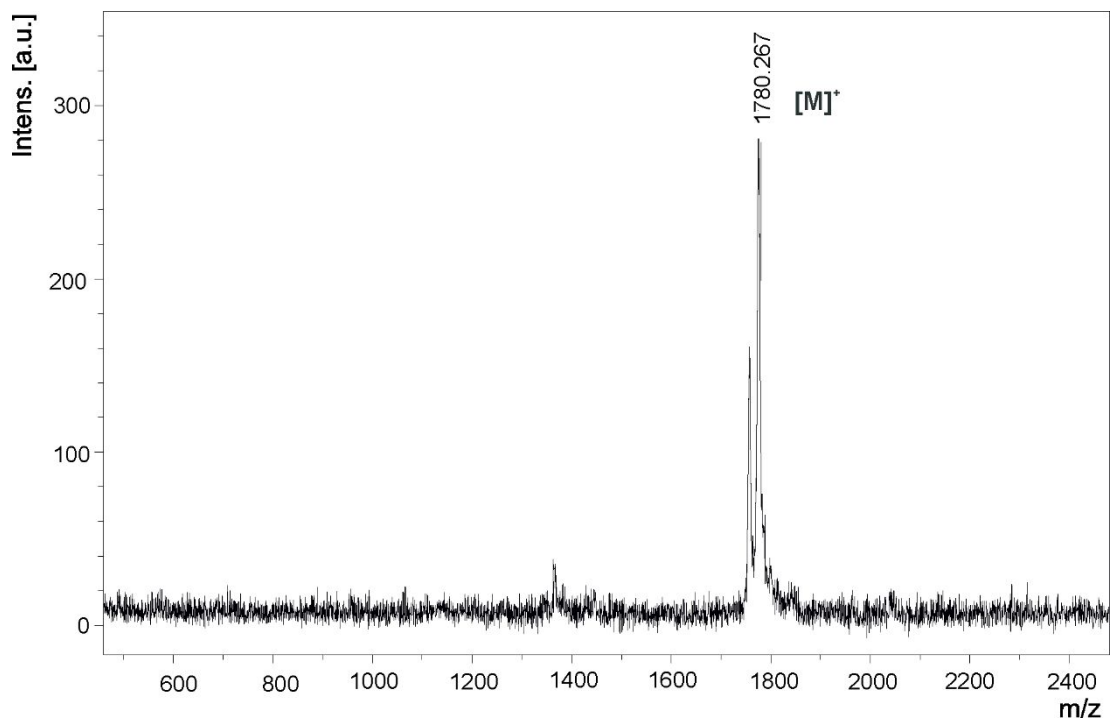


Figure S21. MALDI-MS spectrum of compound 11

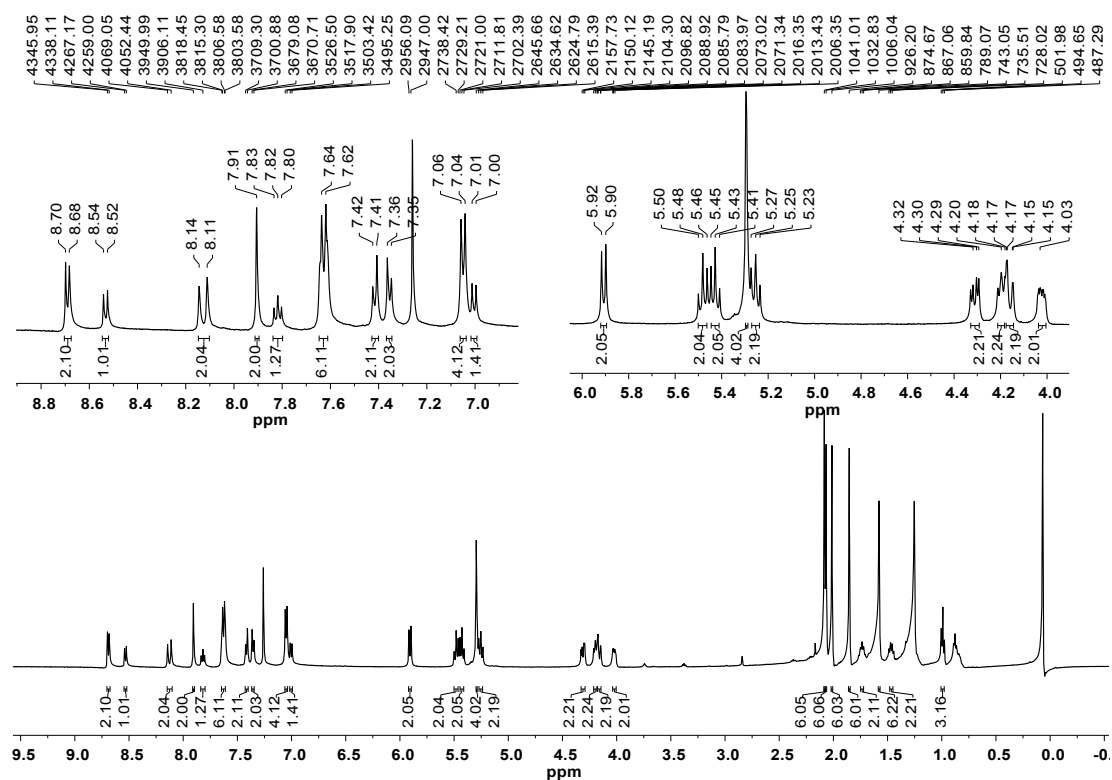


Figure S22. ^1H NMR spectrum of compound 11 in CDCl_3

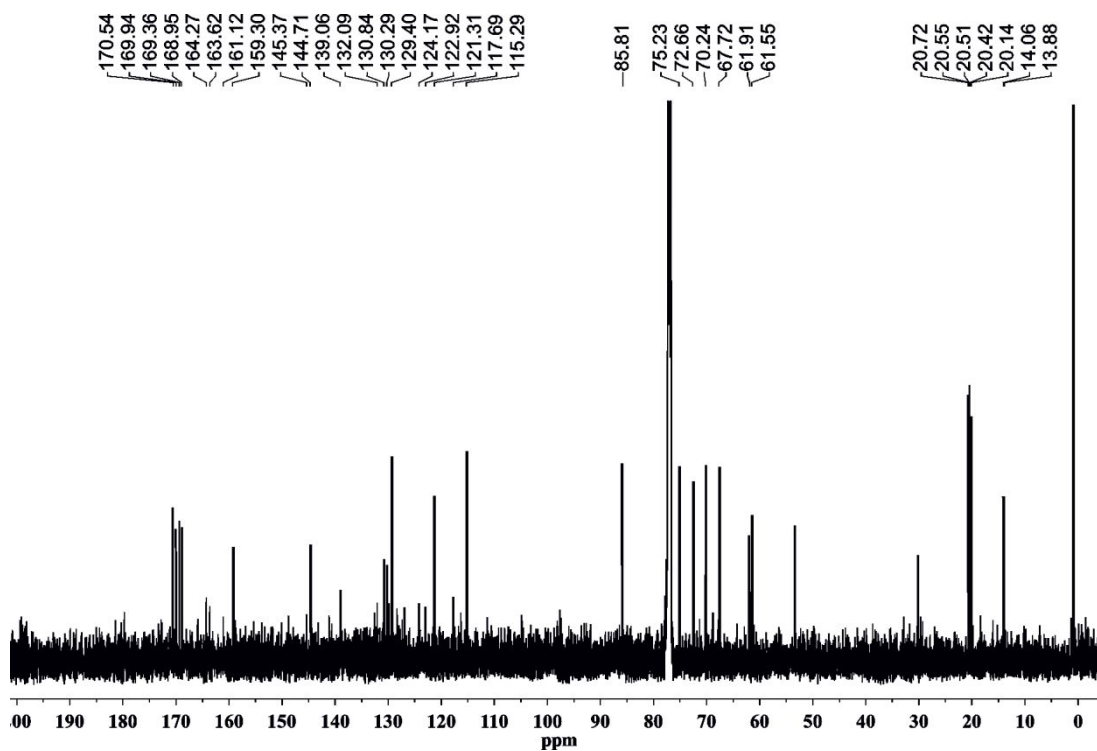


Figure S23. ^{13}C NMR spectrum of compound **11** in CDCl_3

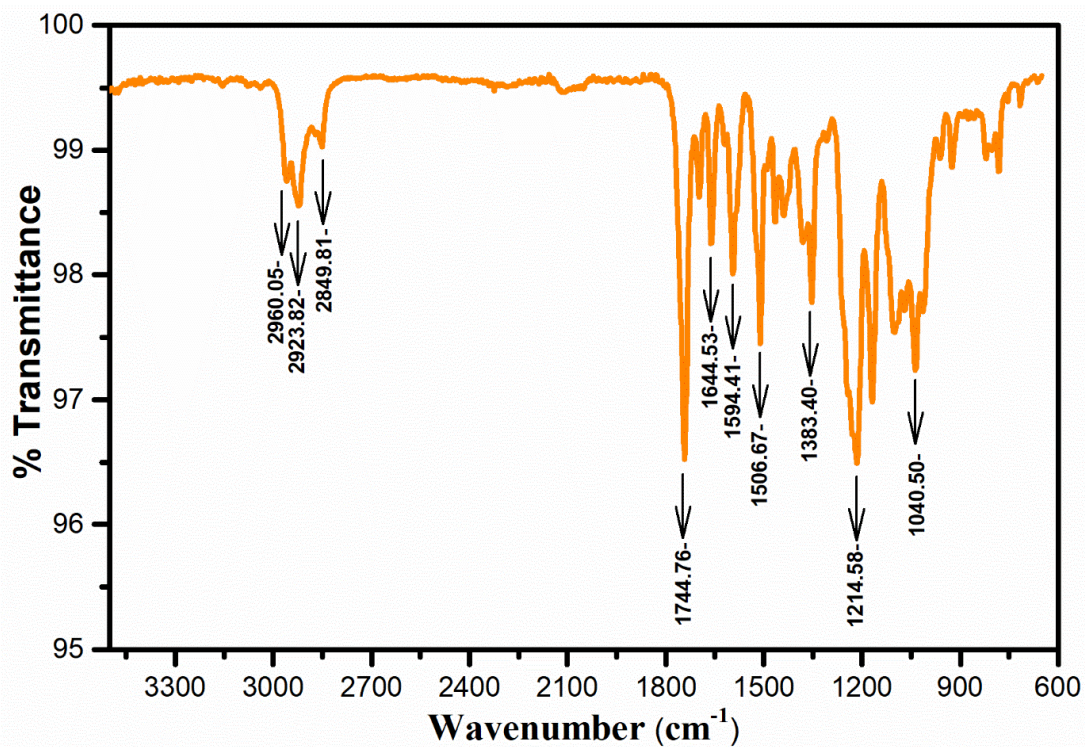


Figure S24. FT-IR spectrum of compound **12**

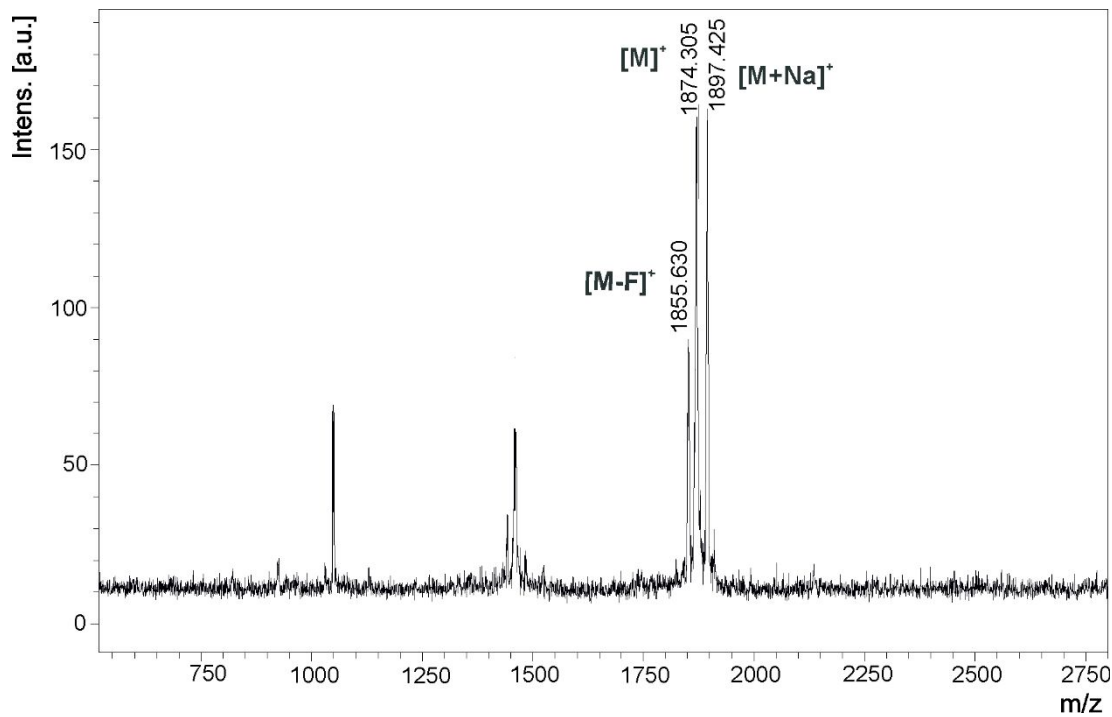


Figure S25. MALDI-MS spectrum of compound **12**

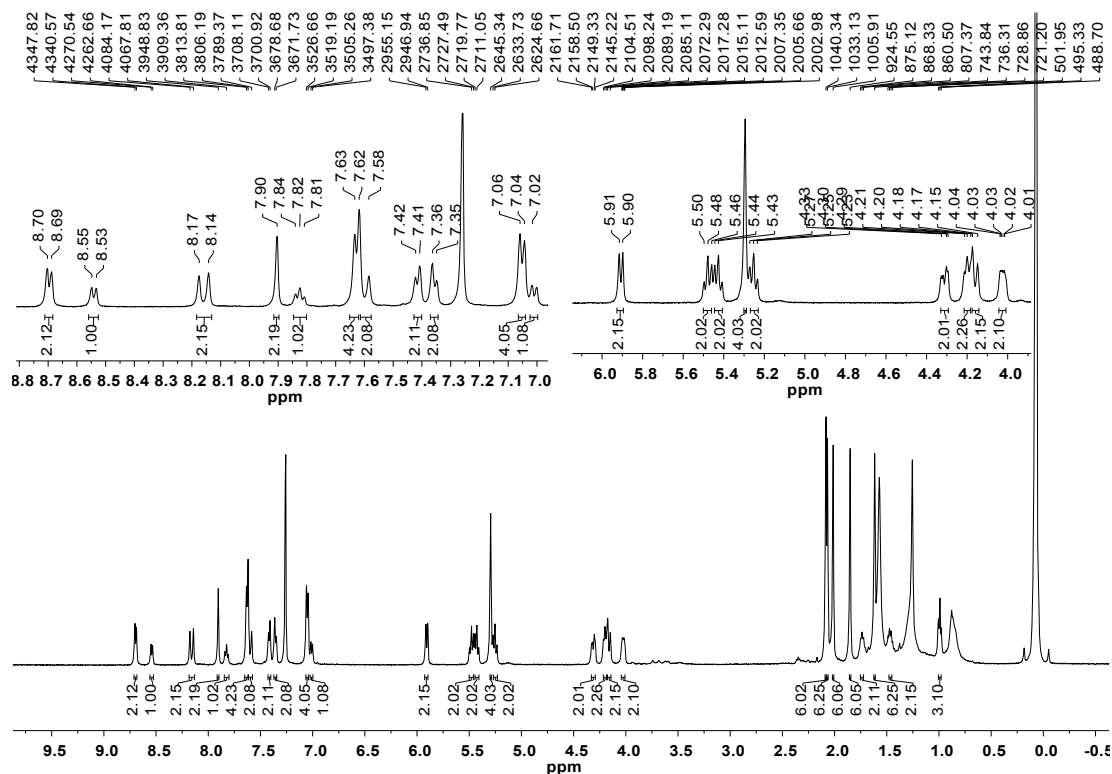


Figure S26. ^1H NMR spectrum of compound **12** in CDCl_3

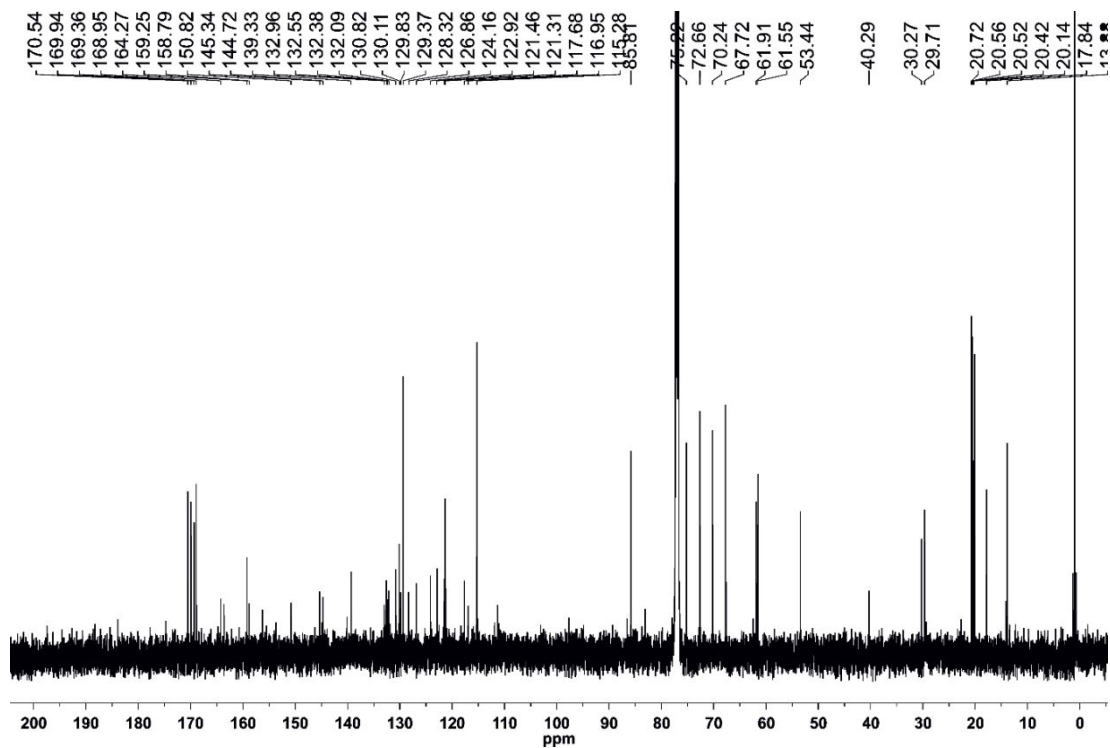


Figure S27. ^{13}C NMR spectrum of compound **12** in CDCl_3

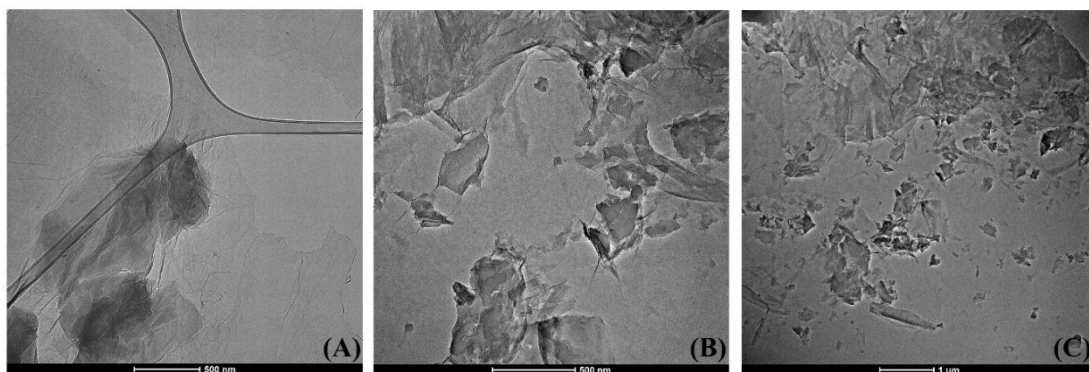


Figure S28. HR-TEM micrographs of (A) GO and (B, C) GO-10

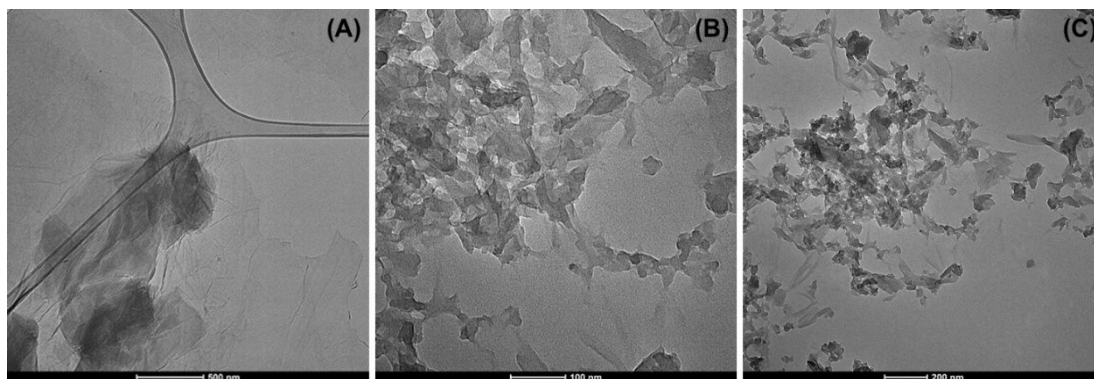


Figure S29. HR-TEM micrographs of (A) GO and (B, C) GO-11

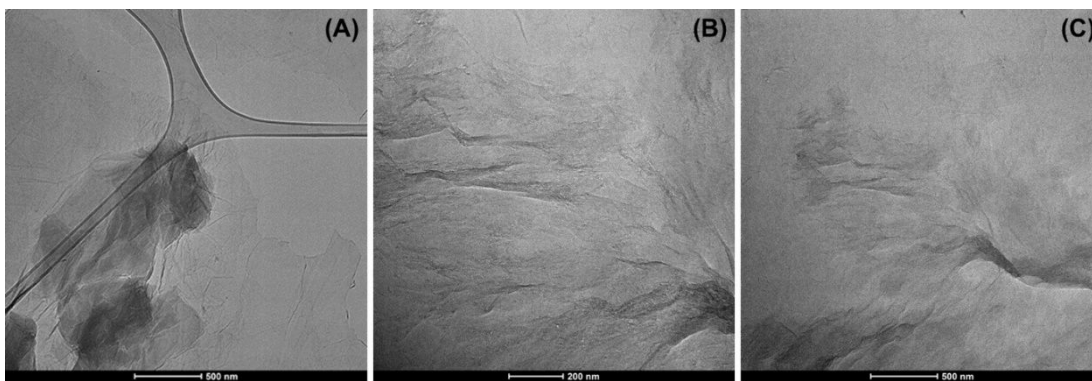


Figure S30. HR-TEM micrographs of (A) GO and (B, C) GO-12

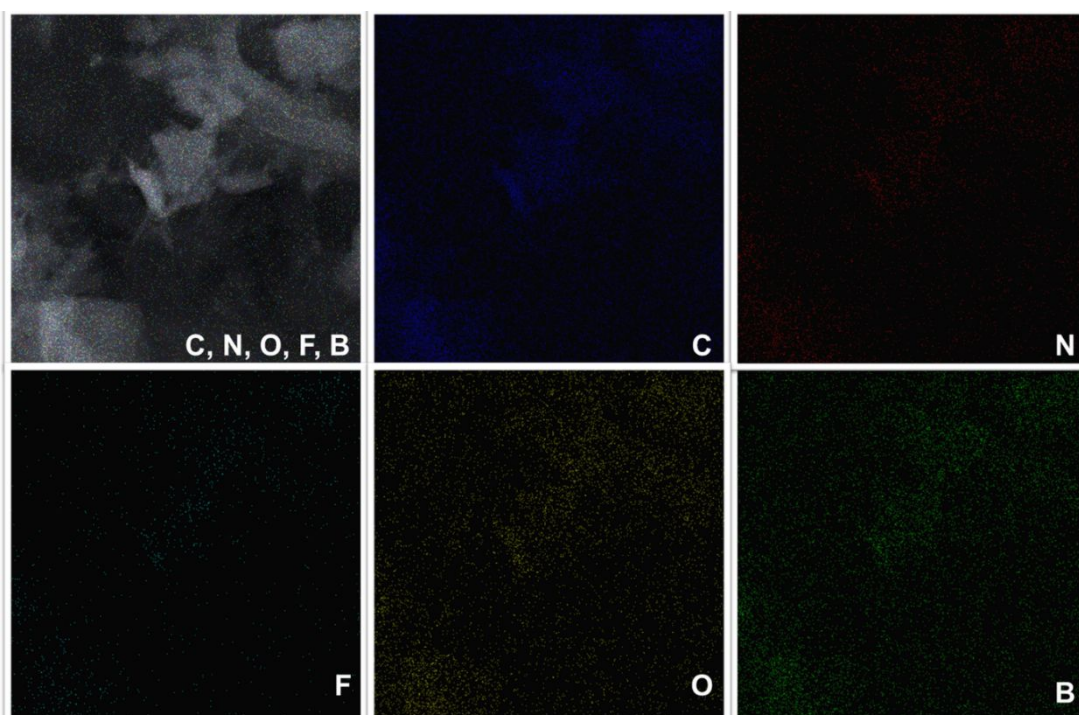


Figure S31. EDX analysis of GO-10

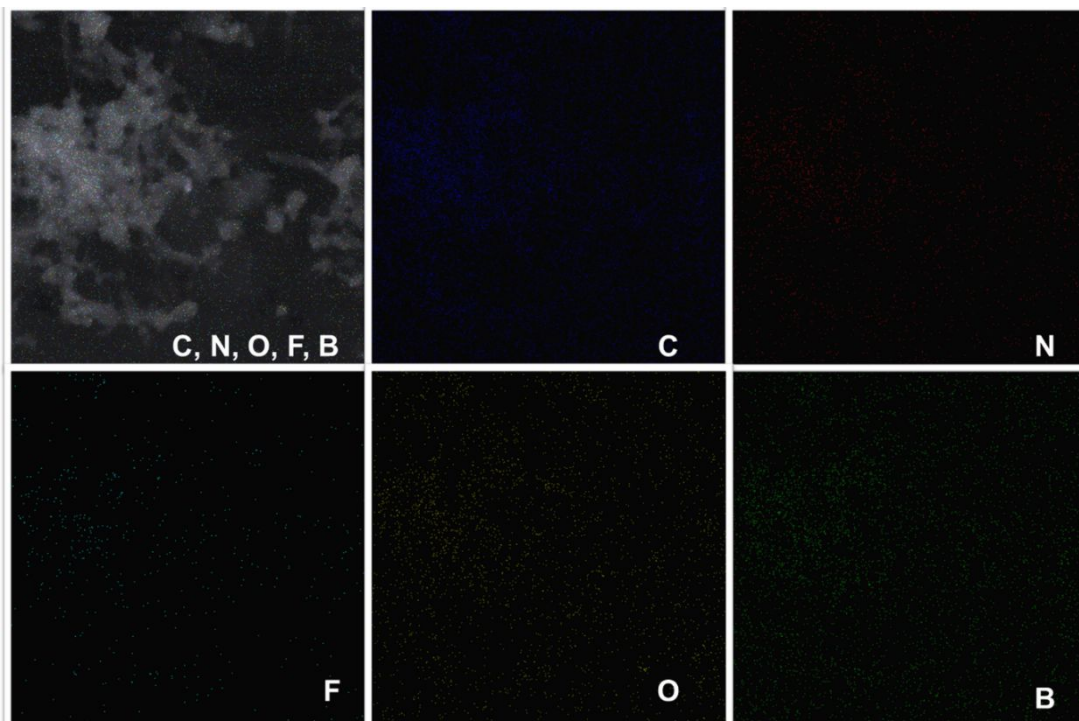


Figure S32. EDX analysis of GO-11

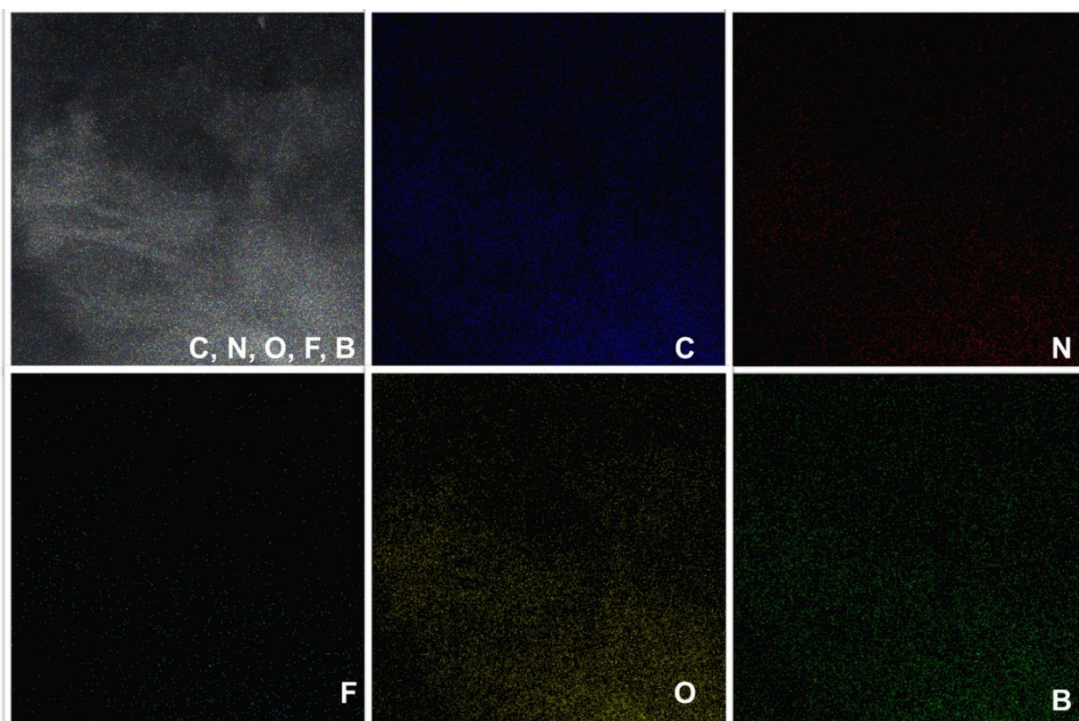


Figure S33. EDX analysis of GO-12

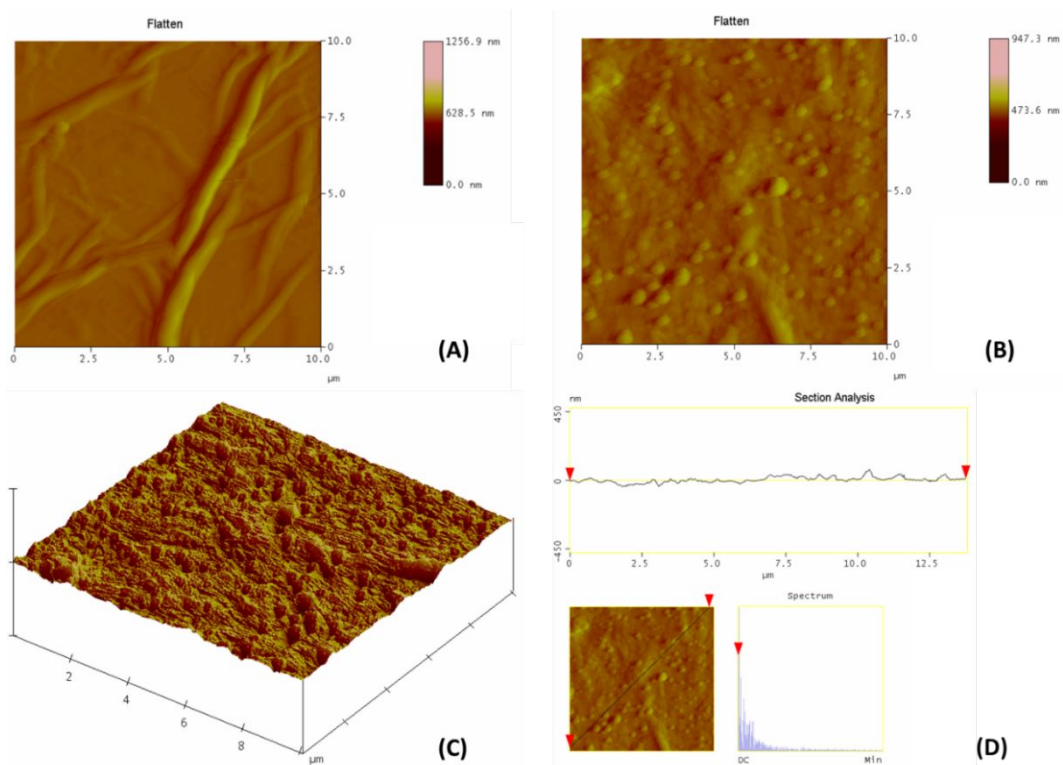


Figure S34. AFM images of (A) GO and (B-D) GO-10

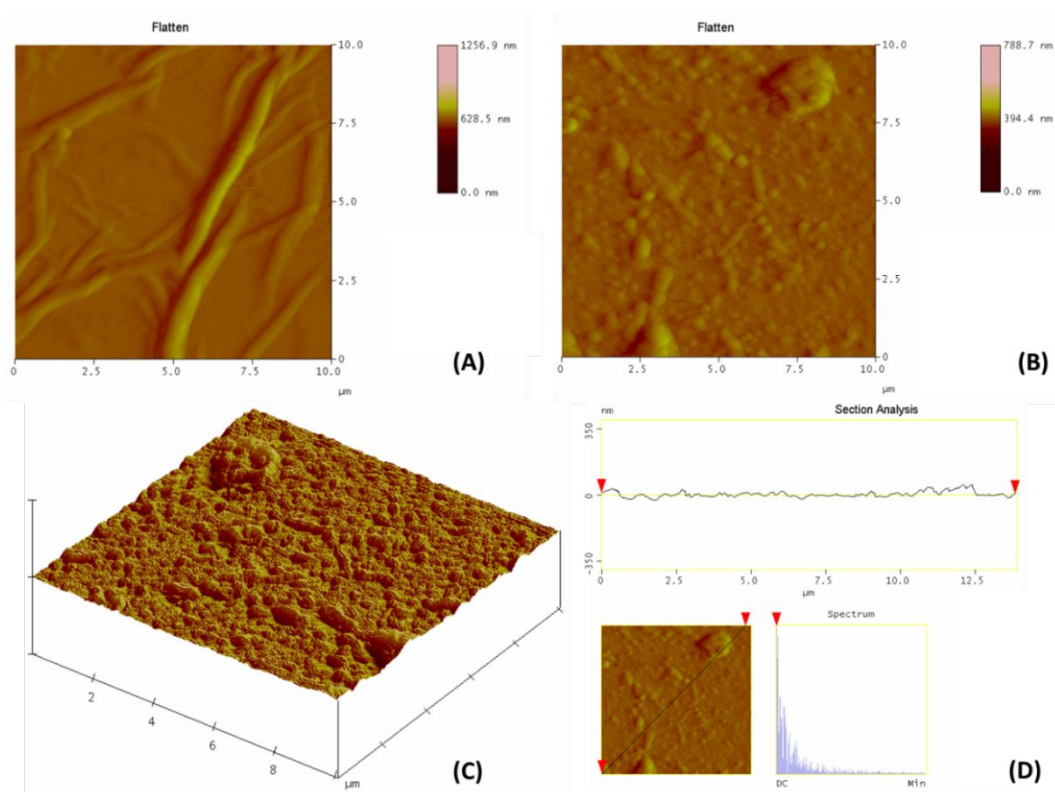


Figure S35. AFM images of (A) GO and (B-D) GO-11

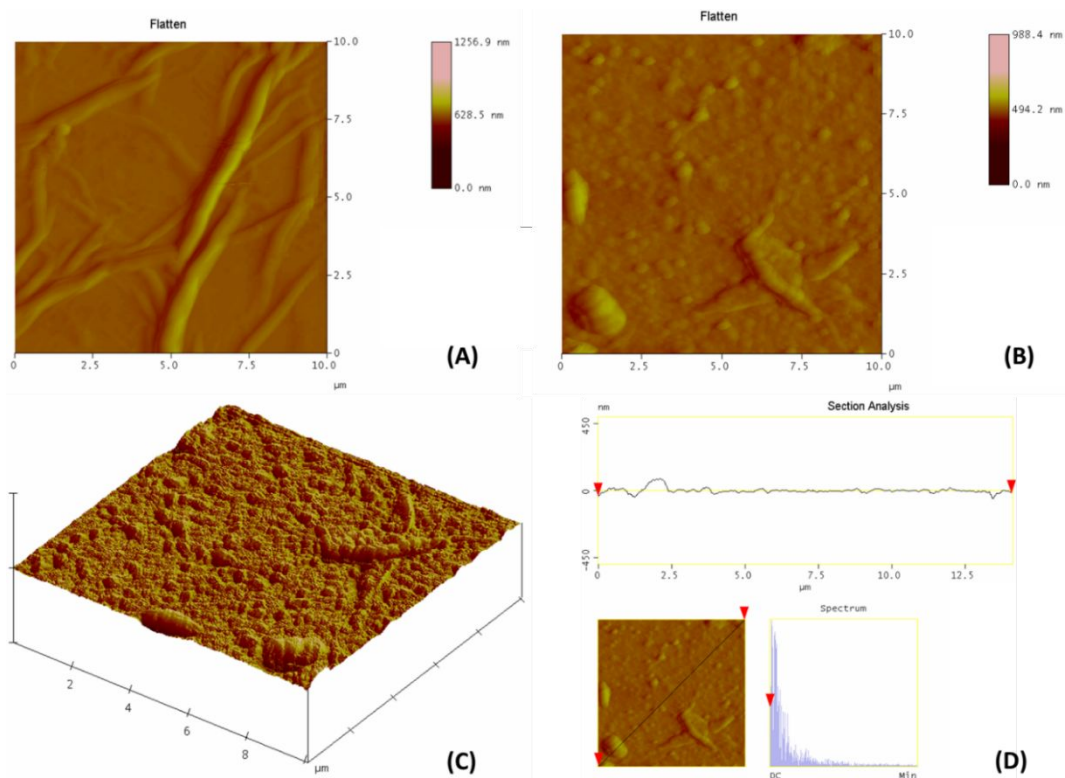


Figure S36. AFM images of (A) GO and (B-D) GO-12

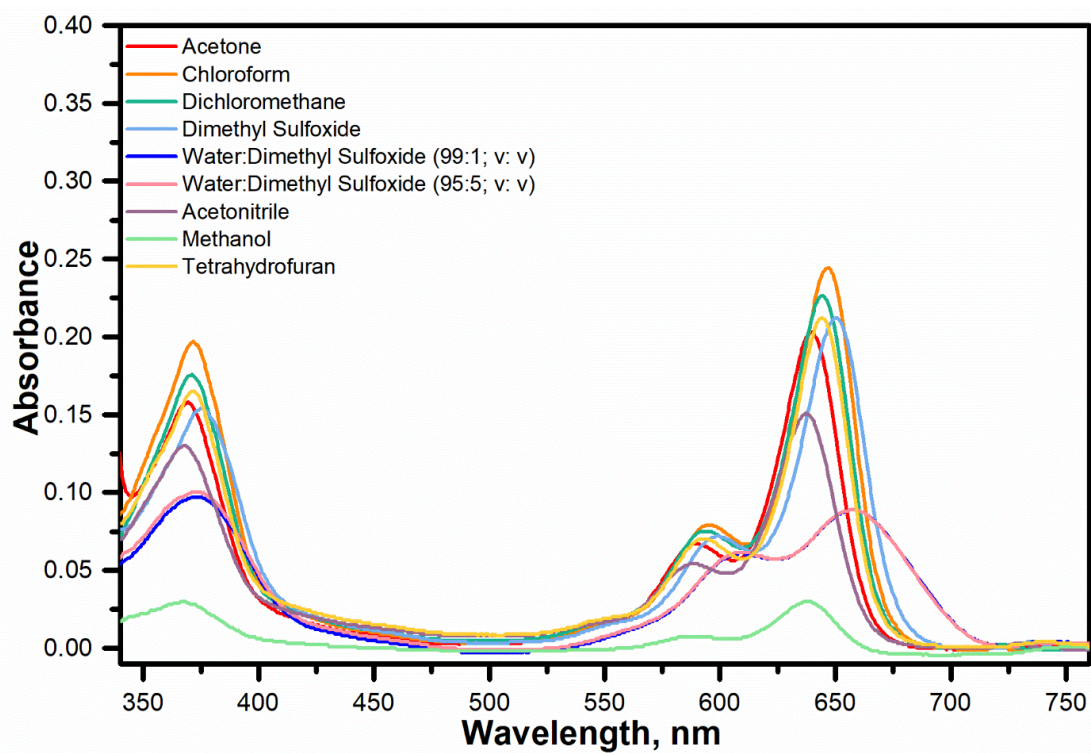


Figure S37. Absorbance spectra of compound **10** in different solvents (2 μ M)

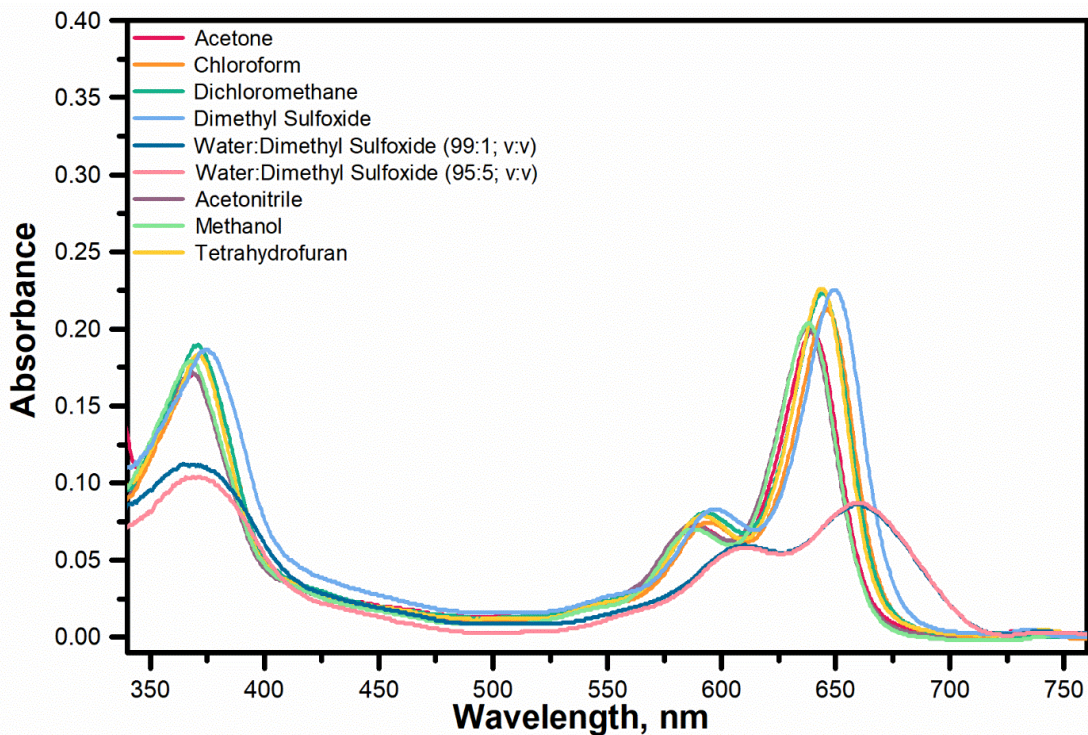


Figure S38. Absorbance spectra of GO-10 in different solvents (2 μM)

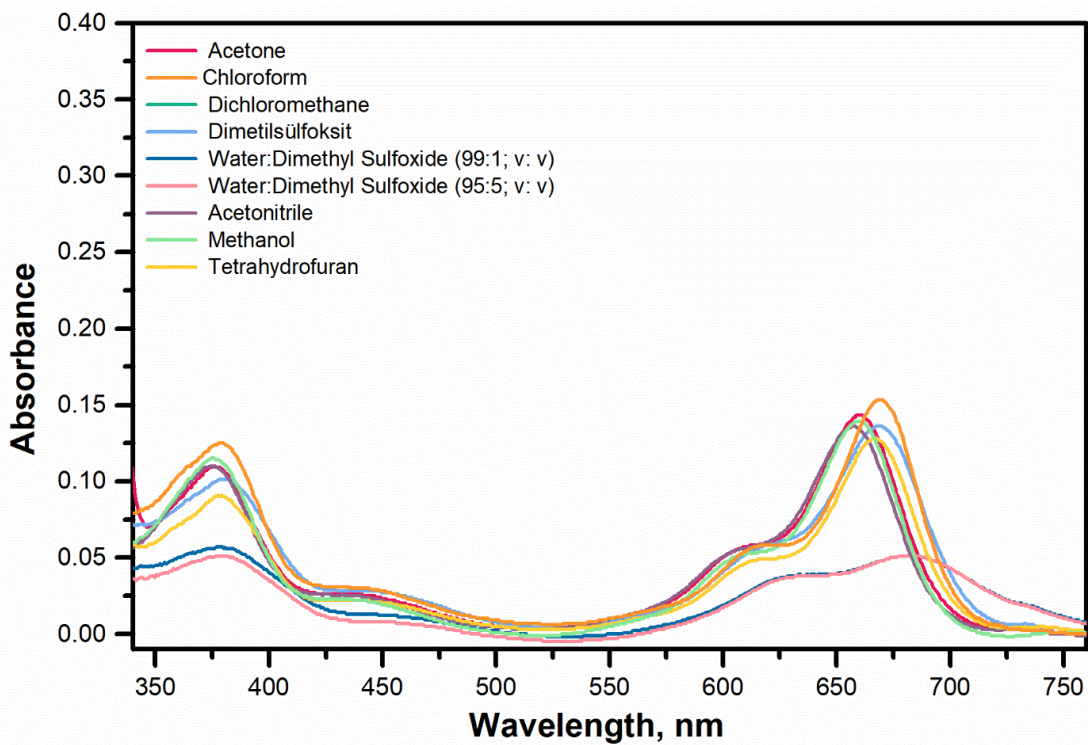


Figure S39. Absorbance spectra of compound 11 in different solvents (2 μM)

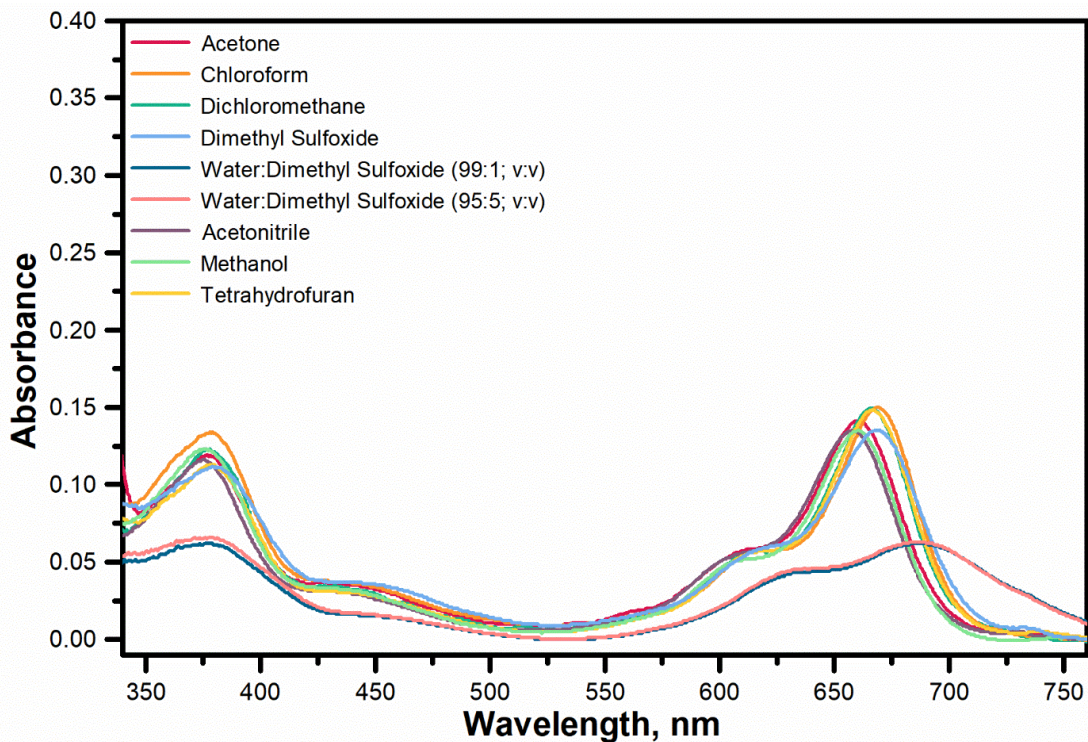


Figure S40. Absorbance spectra of GO-11 in different solvents (2 μM)

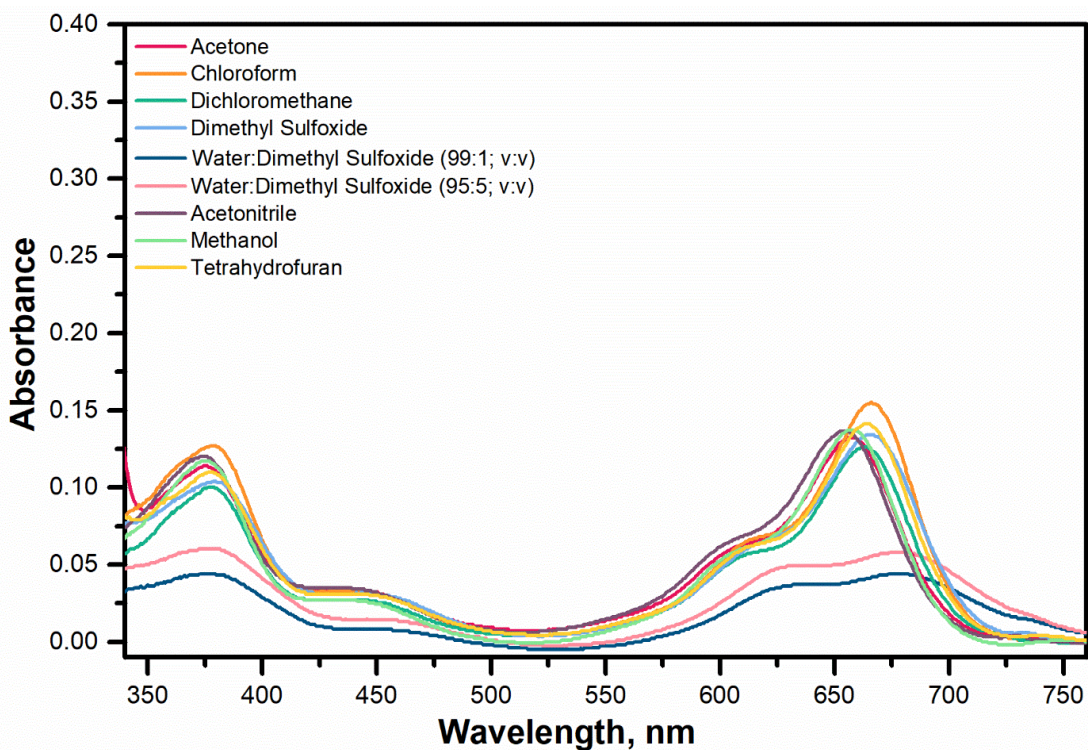


Figure S41. Absorbance spectra of compound 12 in different solvents (2 μM)

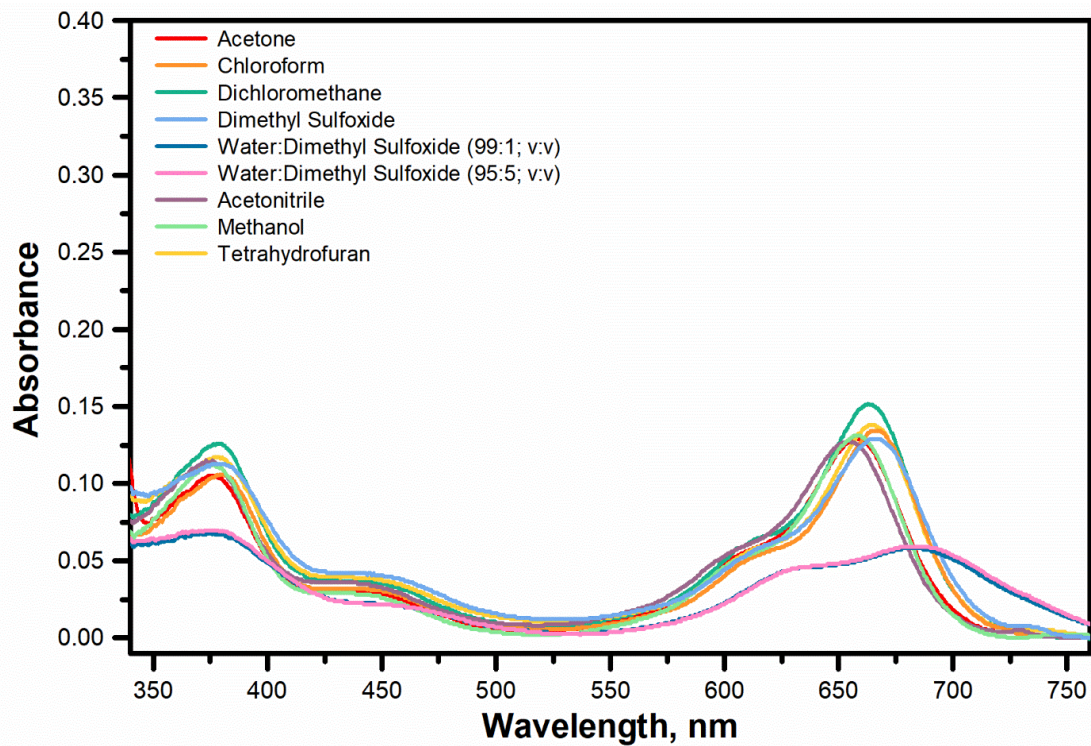


Figure S42. Absorbance spectra of GO-12 in different solvents (2 μM)

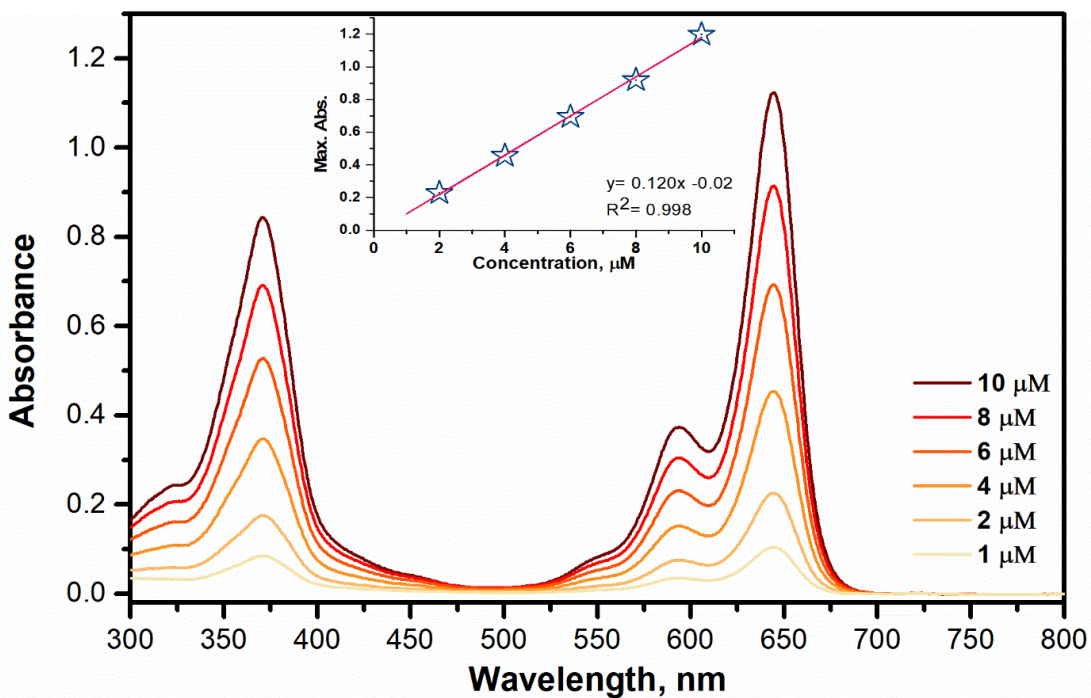


Figure S43. Absorption spectra of compound 10 in DCM at different concentrations

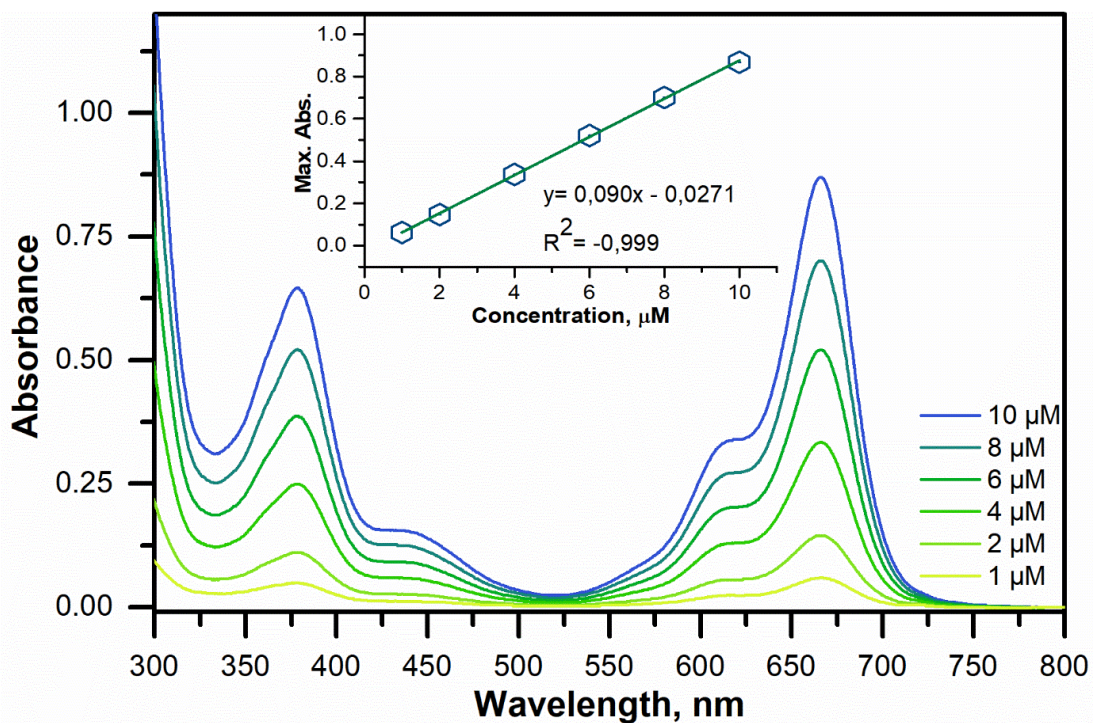


Figure S44. Absorption spectra of compound 11 in DCM at different concentrations

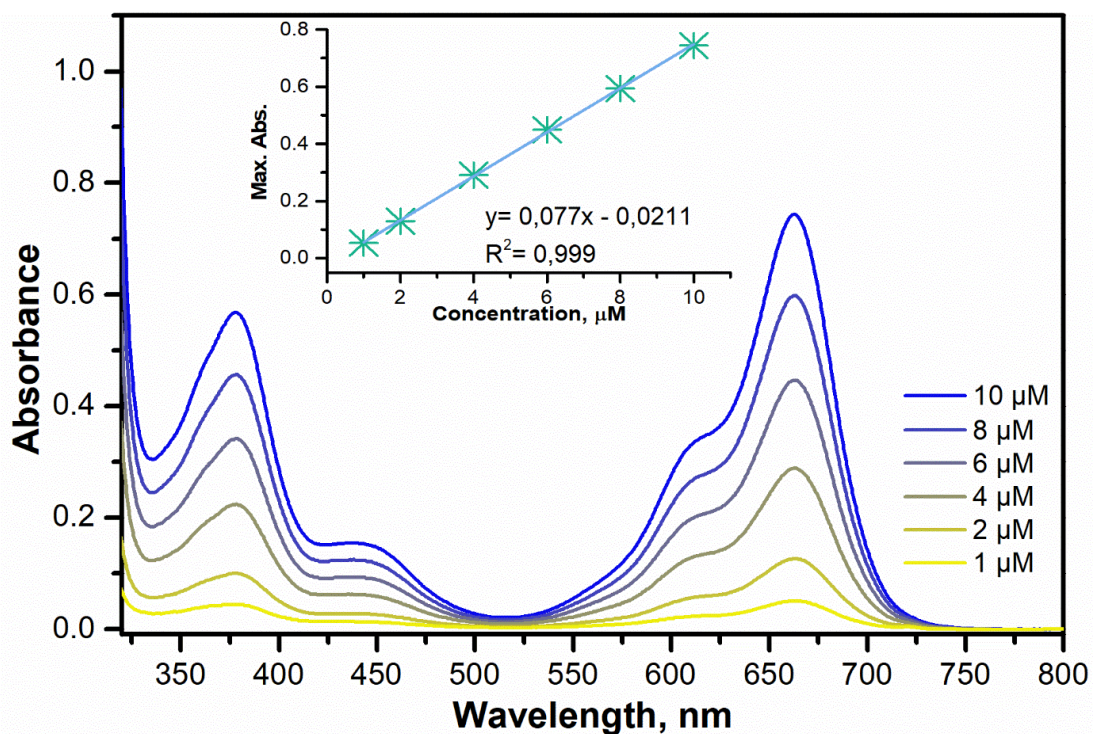


Figure S45. Absorption spectra of compound 12 in DCM at different concentrations

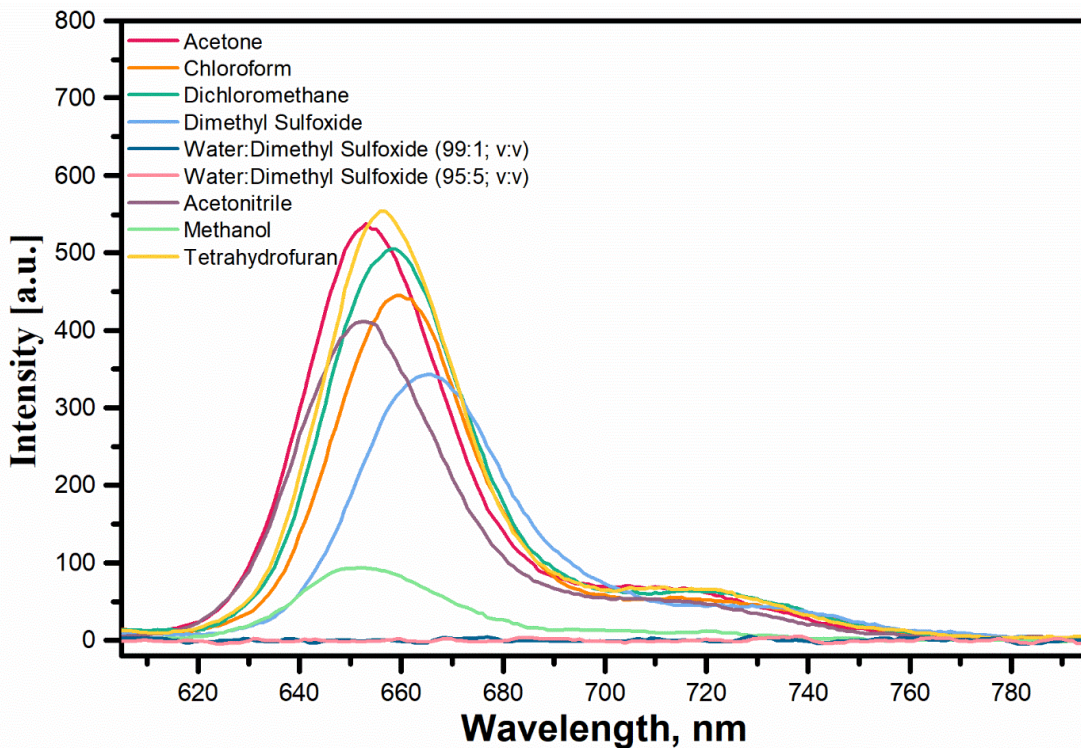


Figure S46. Fluorescence spectra of compound **10** (λ_{ex} :590 nm) in different solvents (0.2 μM)

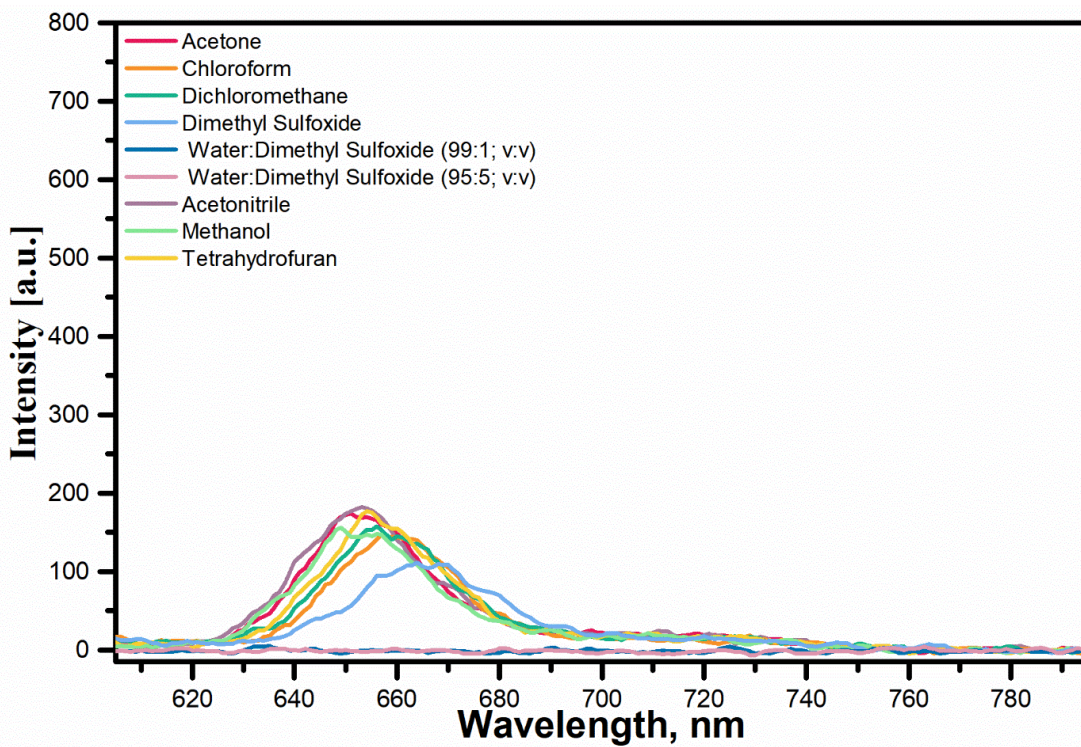


Figure S47. Fluorescence spectra of **GO-10** (λ_{ex} :590 nm) in different solvents (0.2 μM)

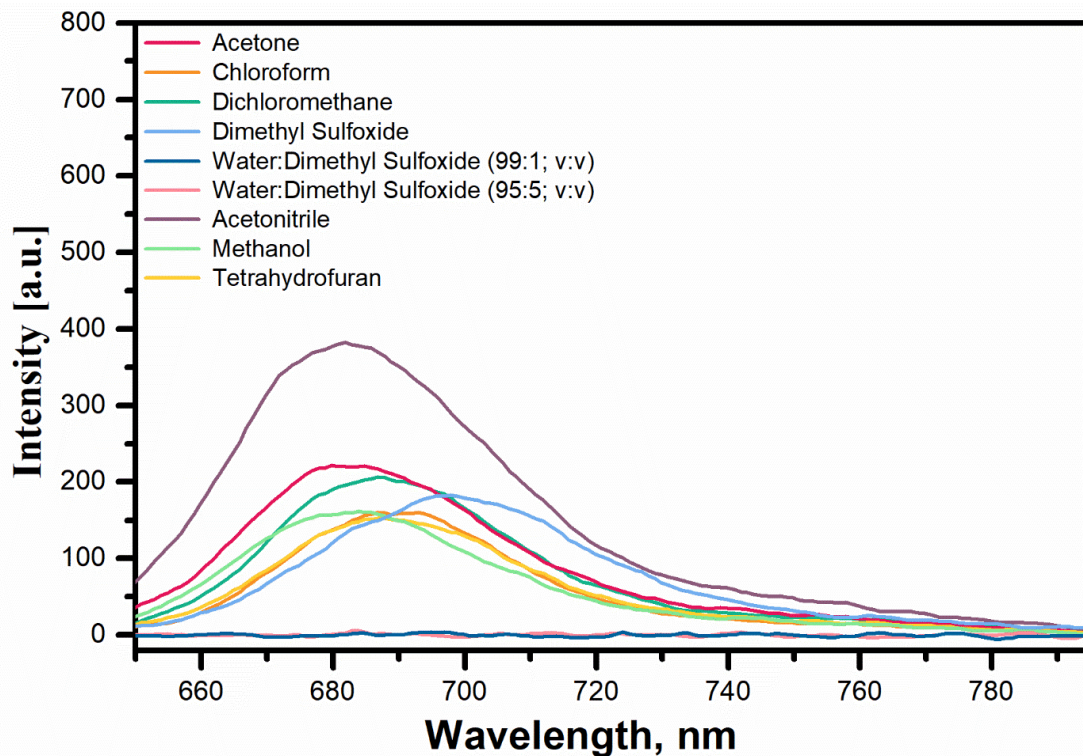


Figure S48. Fluorescence spectra of compound 11 (λ_{ex} :635 nm) in different solvents (0.2 μ M)

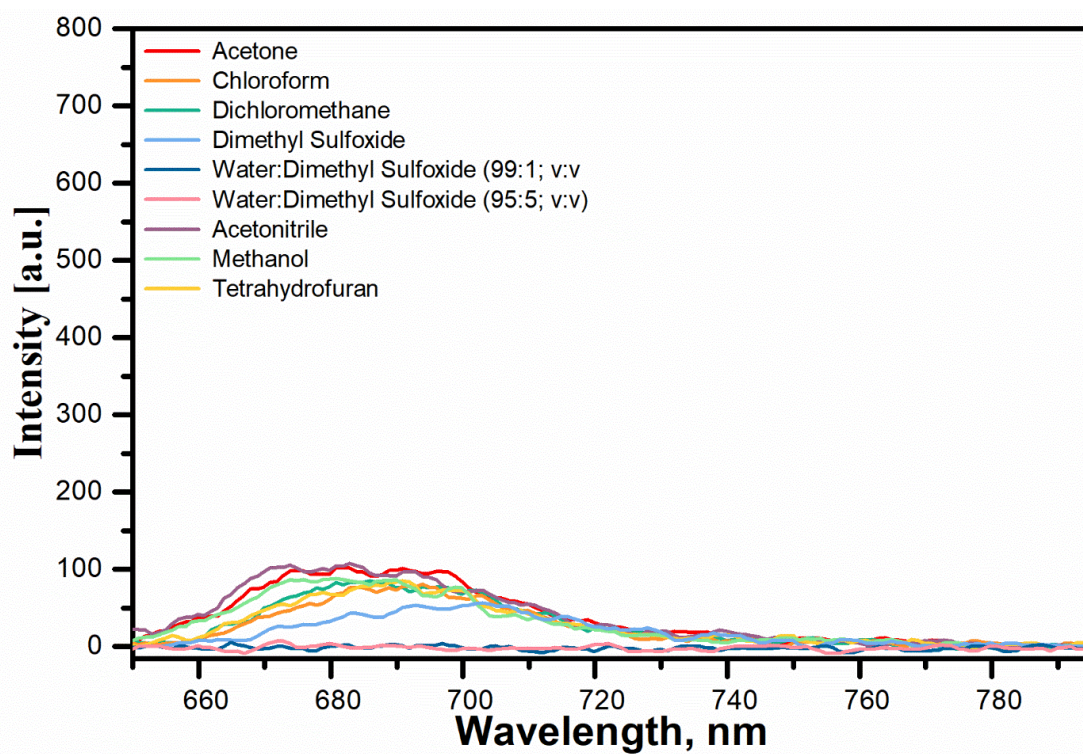


Figure S49. Fluorescence spectra of GO-11 (λ_{ex} :635 nm) in different solvents (0.2 μ M)

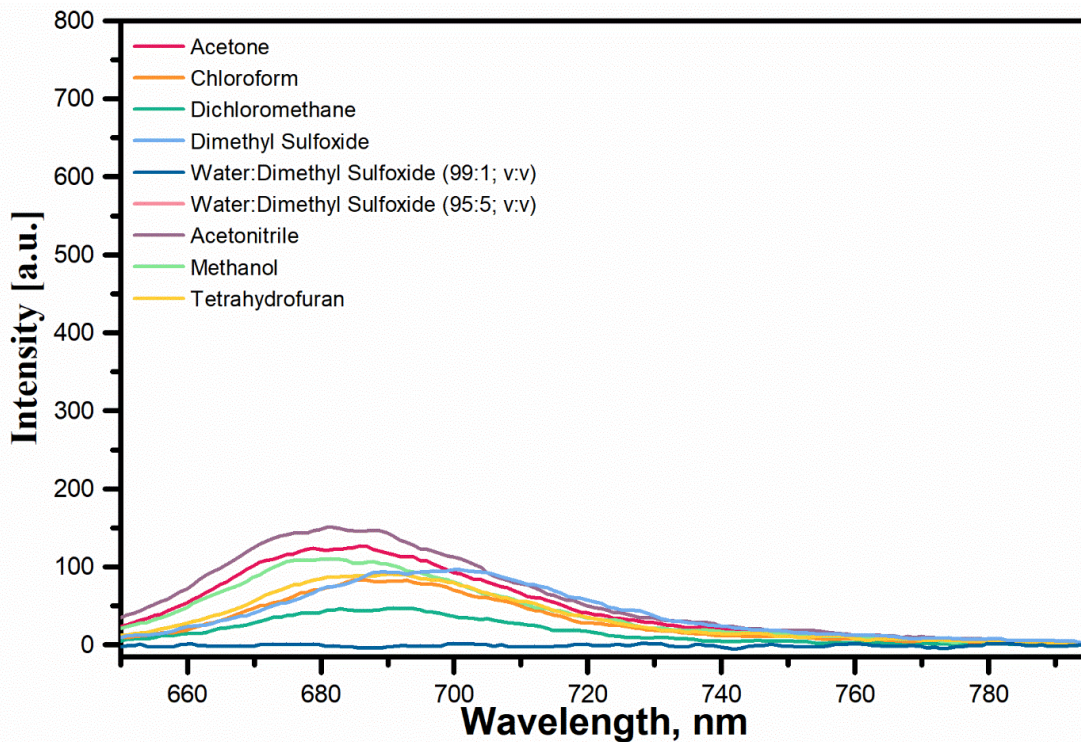


Figure S50. Fluorescence spectra of compound **12** (λ_{ex} :635 nm) in different solvents (0.2 μM)

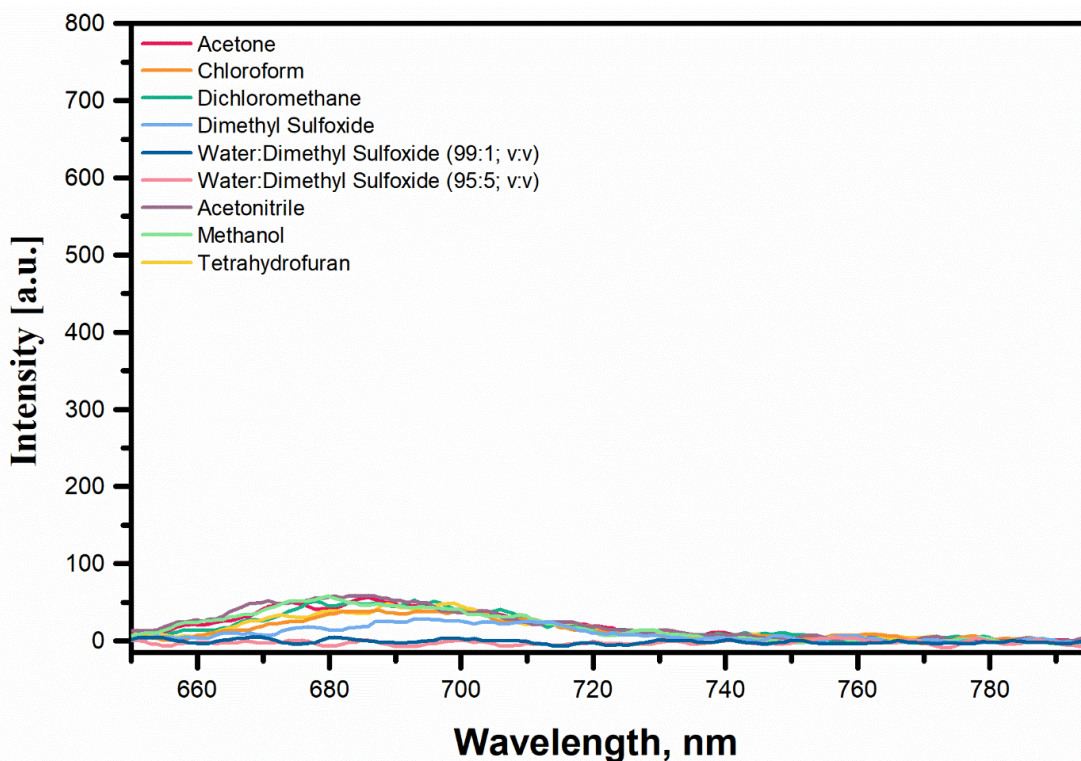


Figure S51. Fluorescence spectra of **GO-12** (λ_{ex} :635 nm) in different solvents (0.2 μM)

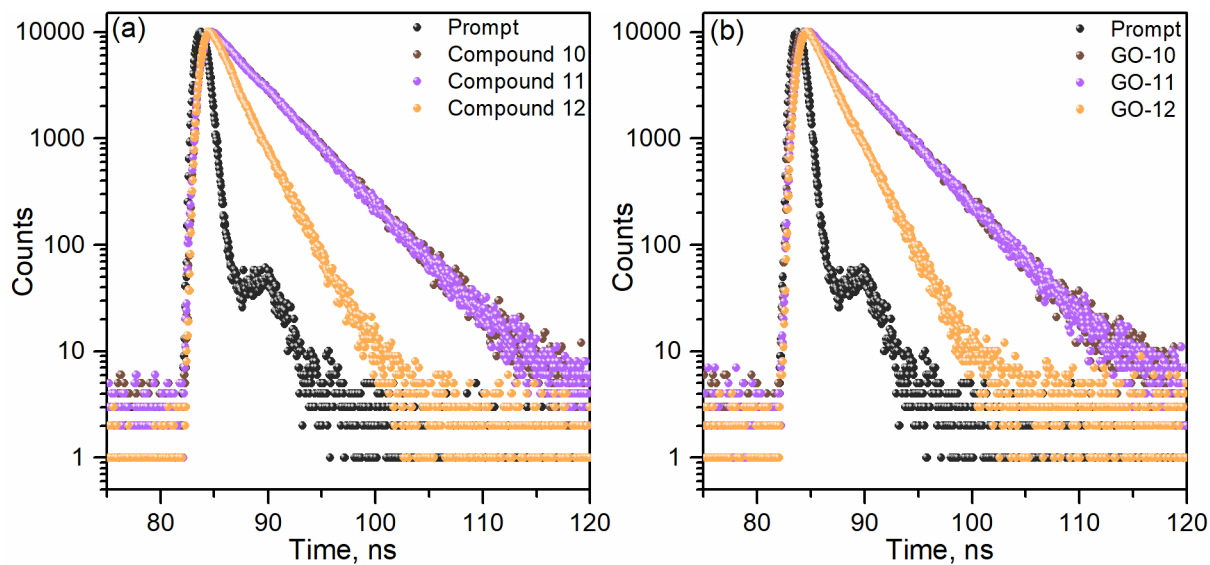


Figure S52. Fluorescence decay profiles of **10-12** and **GO-(10-12)** in DCM

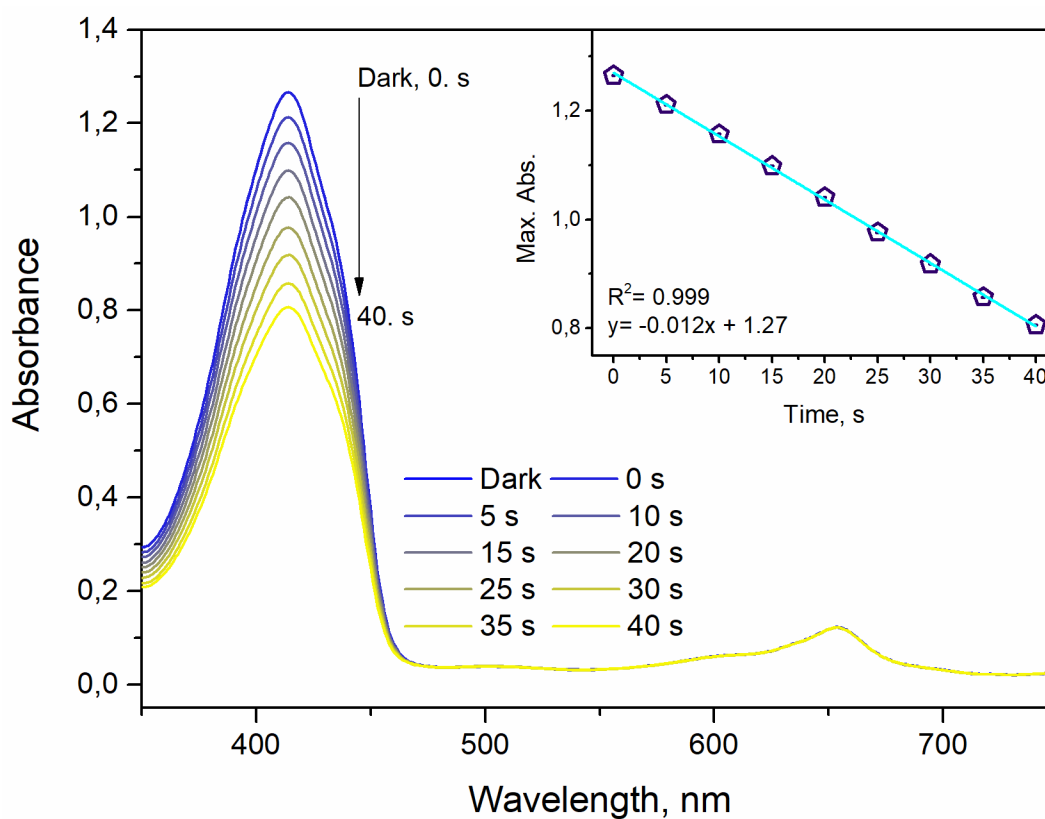


Figure S53. Decrease in absorbance spectra of DPBF in the presence of MB in DCM

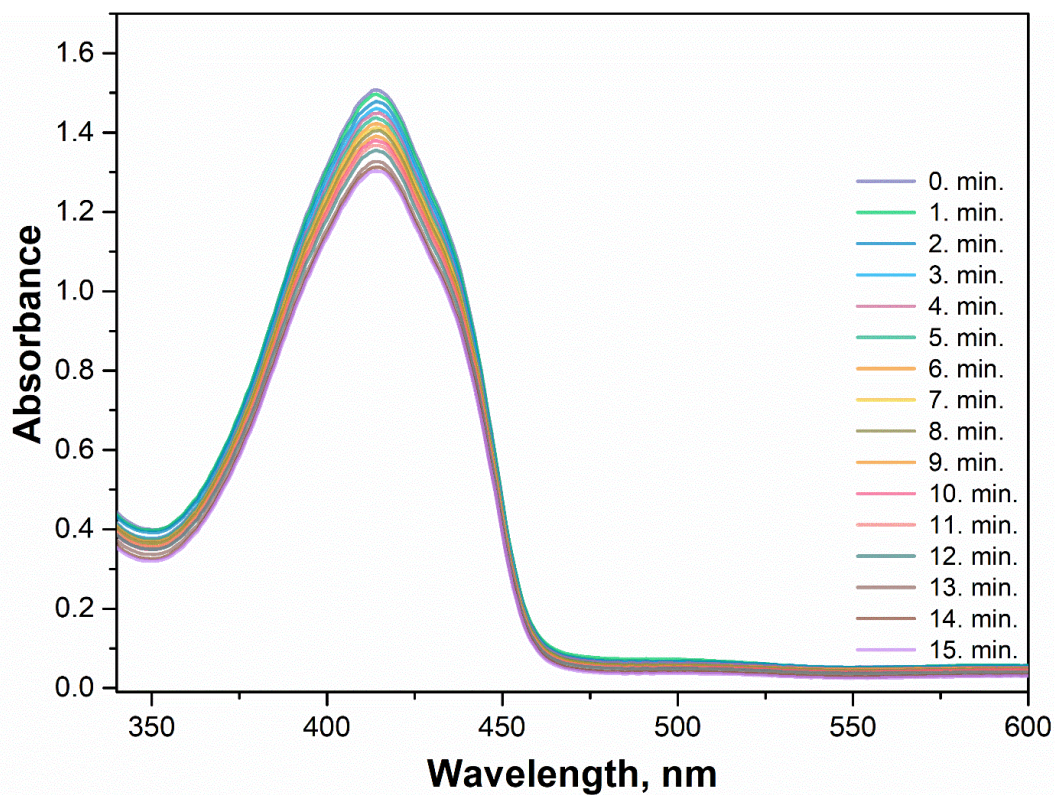


Figure S54. Decrease in absorbance spectra of DPBF in the presence of GO in DCM

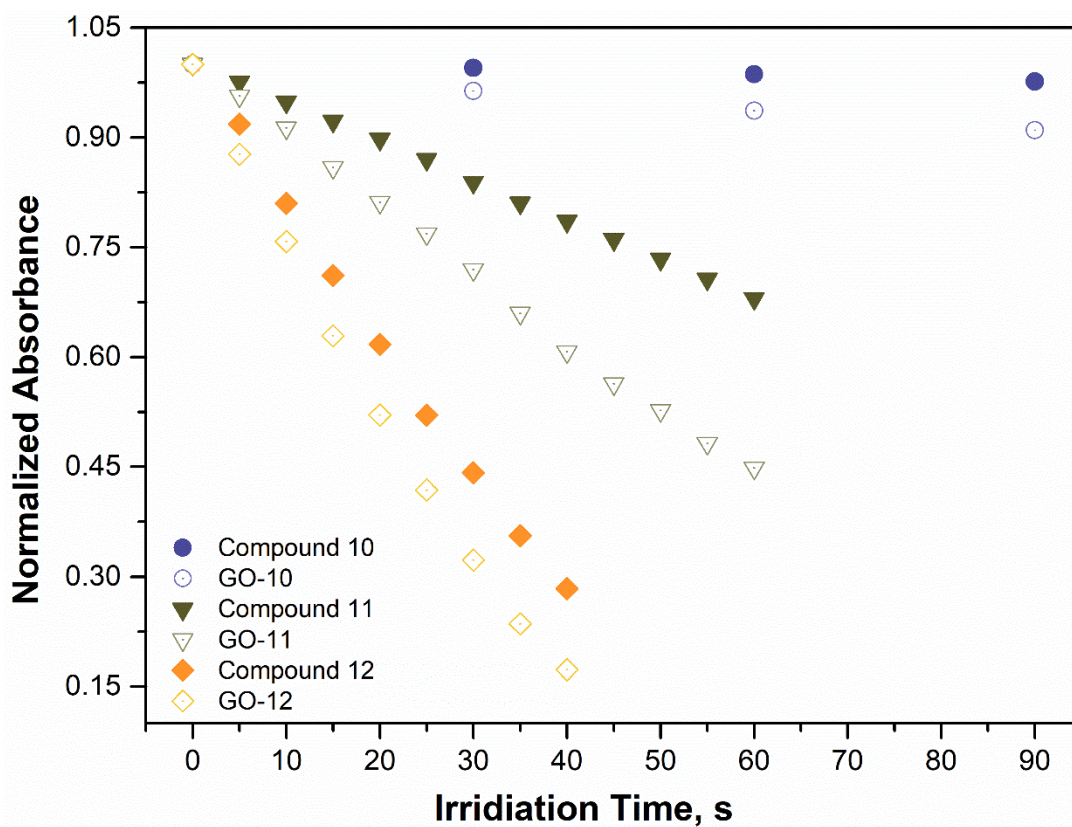


Figure S55. Decrease in maximum absorbances of DPBF after irradiation

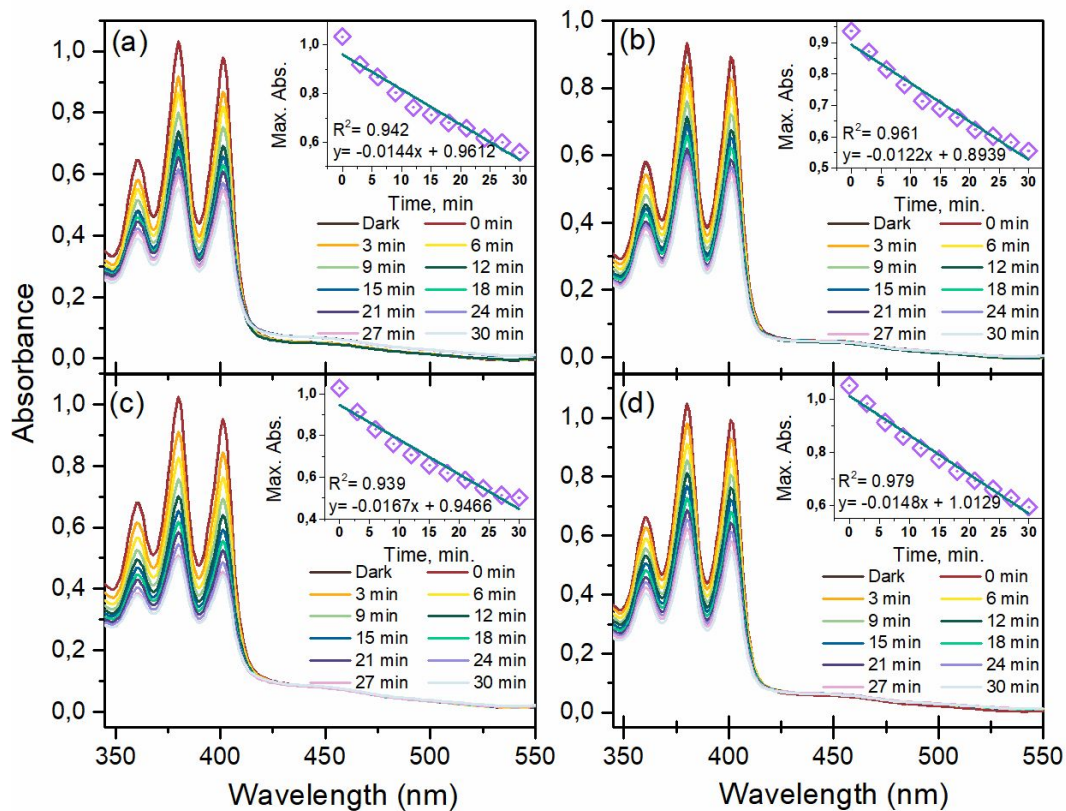


Figure S56. Decrease in absorbance spectra of ABDA in the presence of (a) 11, (b) 12, (c) GO-11 and (d) GO-12