

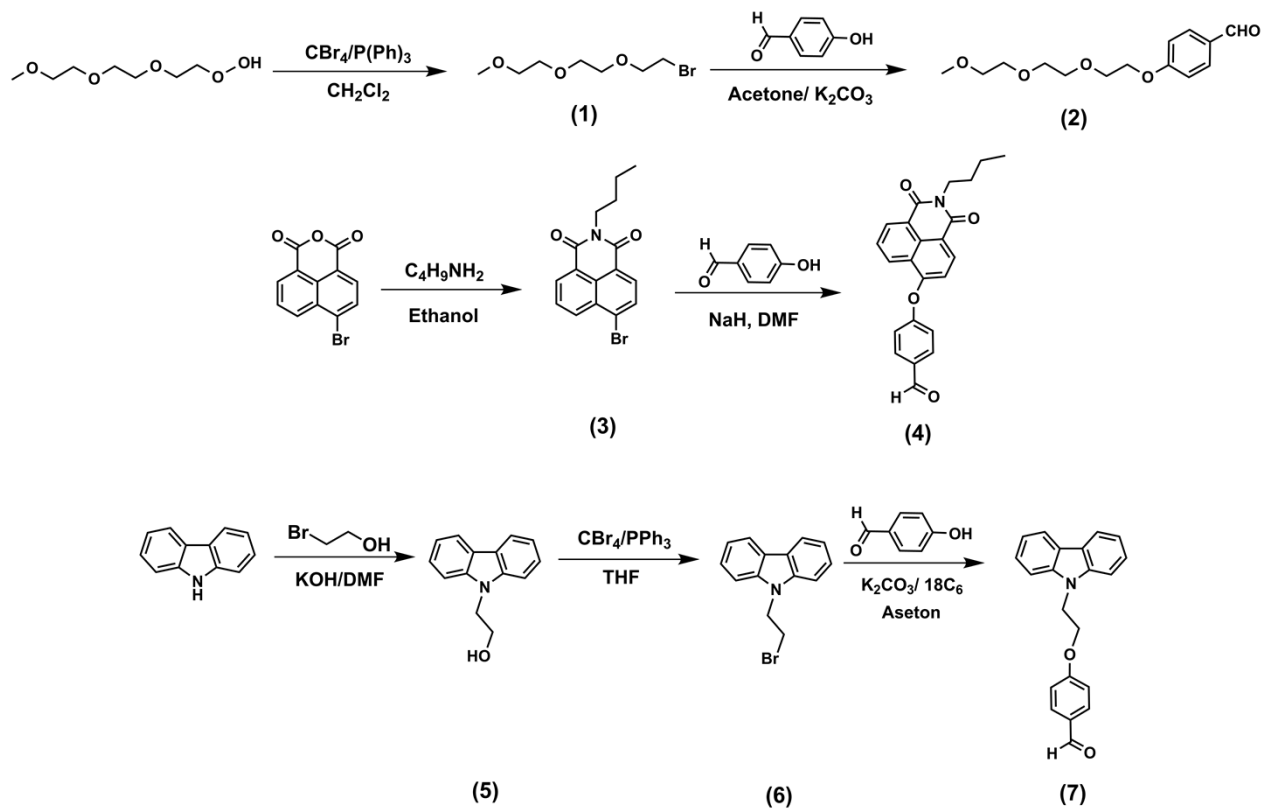
Synthesis, Characterization, Photophysical and Photochemical Studies of BODIPY derivatives

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Scheme S1. Synthesis of compounds 1-7

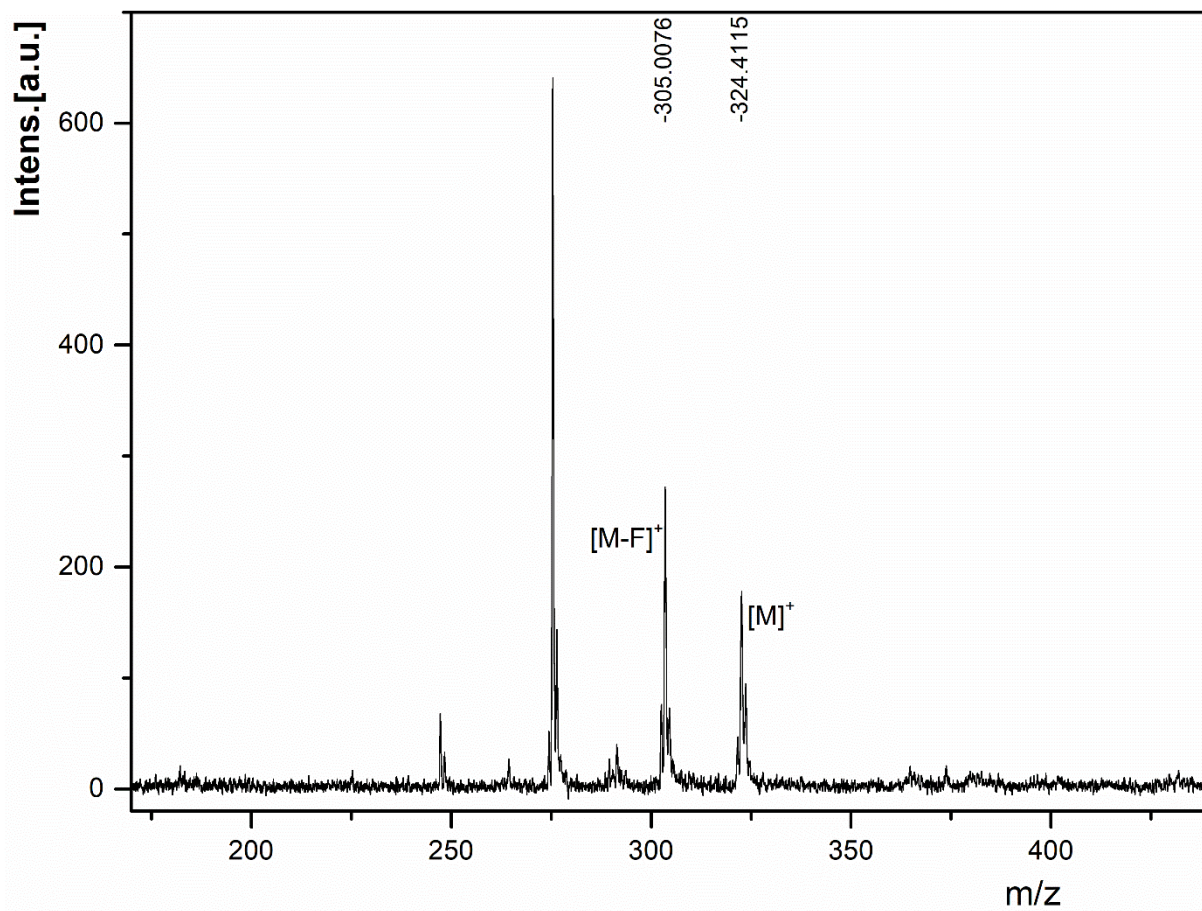


Fig. S1. MALDI-MS spectrum of compound **8**

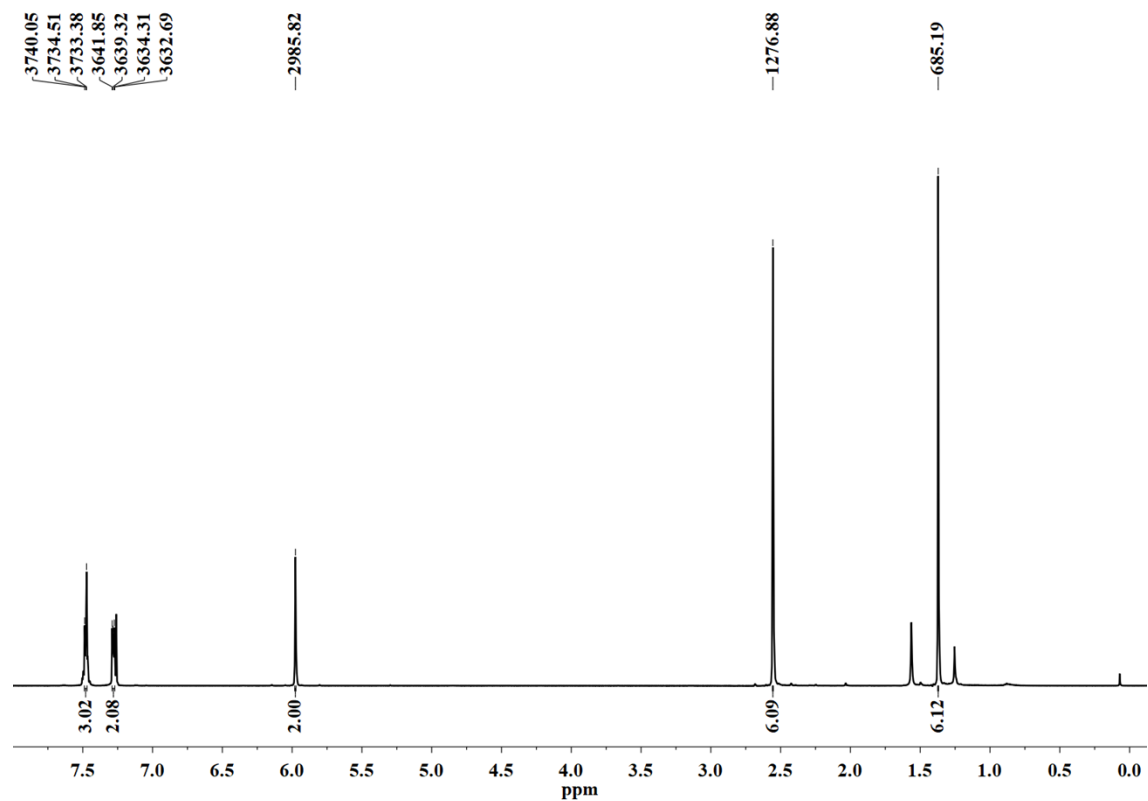


Fig. S2. ^1H NMR spectrum of compound **8** in CDCl_3

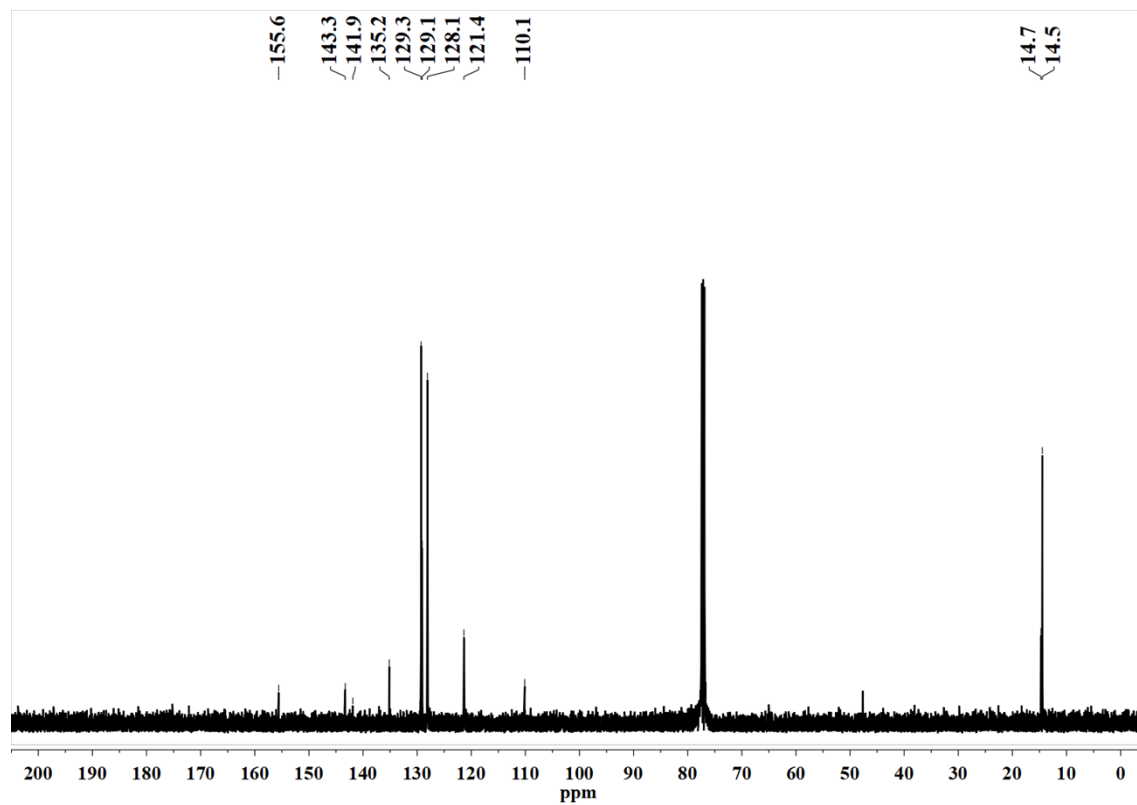


Fig. S3. ^{13}C NMR spectrum of compound **8** in CDCl_3

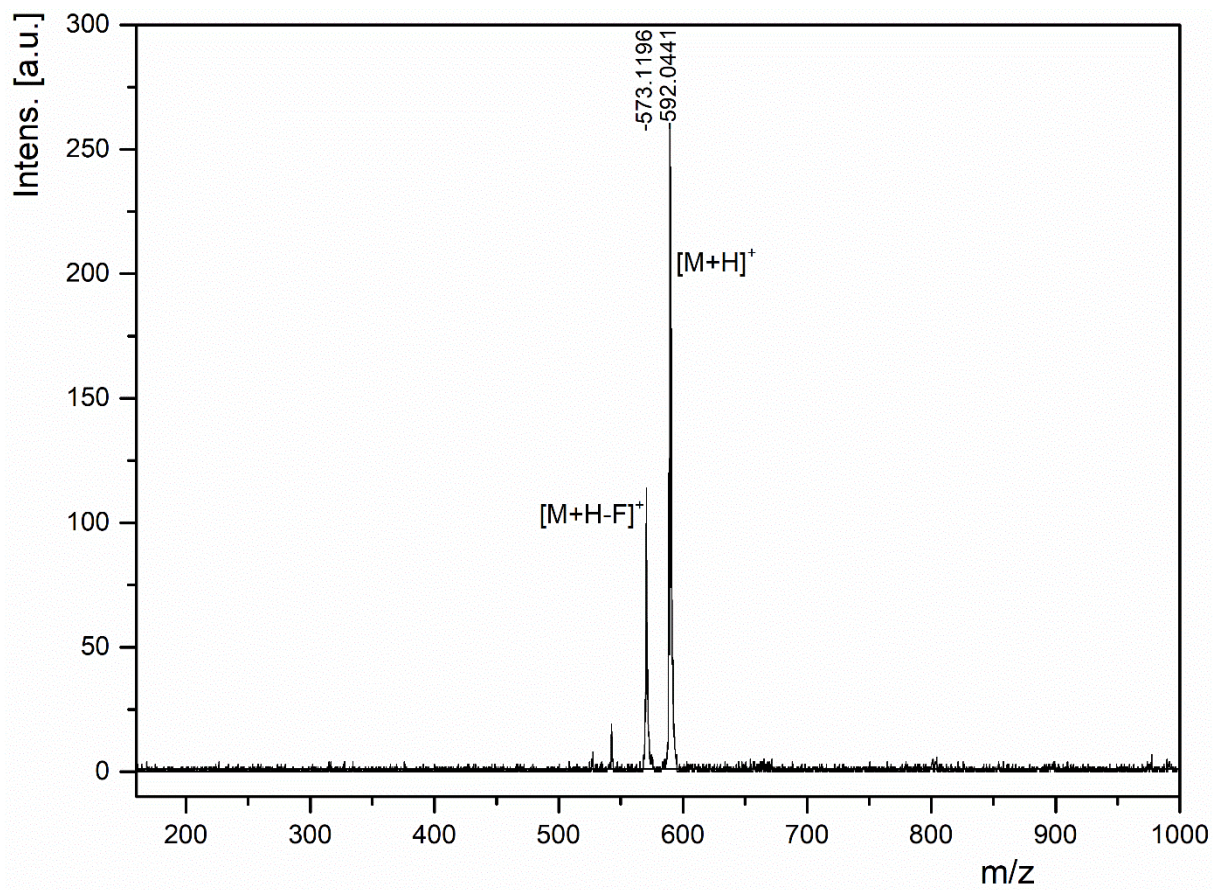


Fig. S4 MALDI-MS spectrum of compound **9**

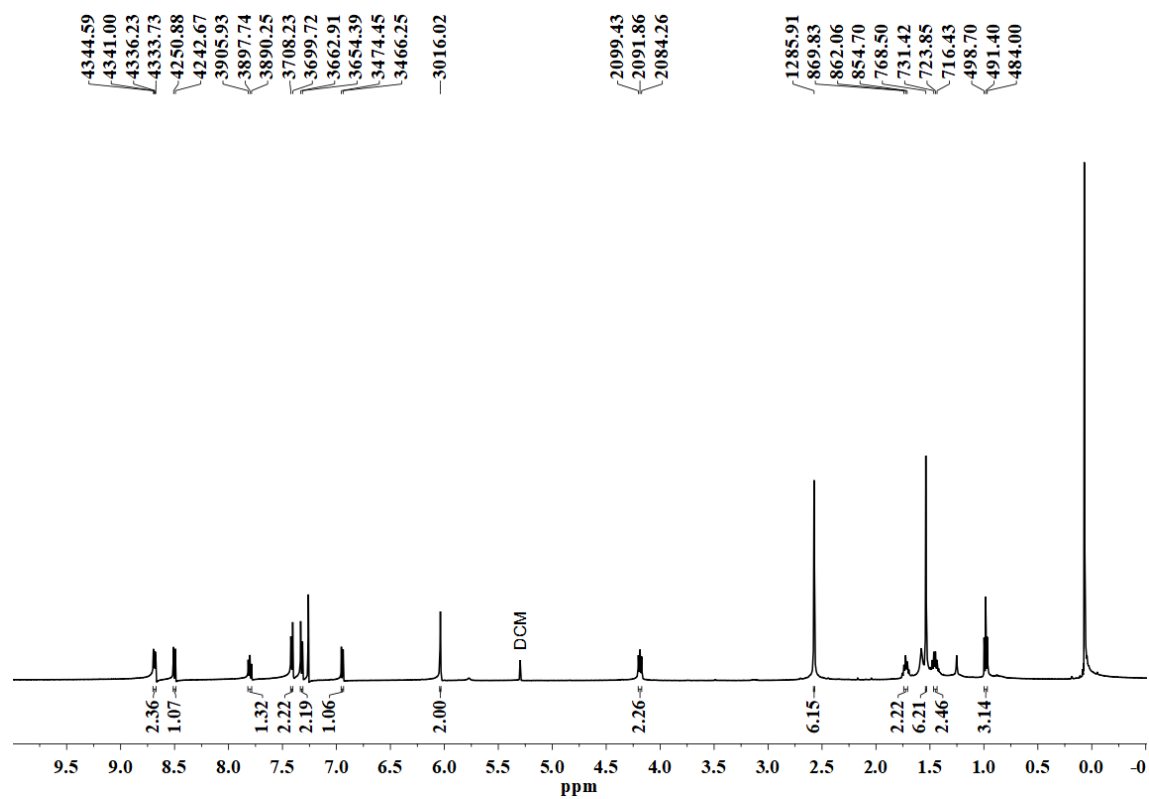


Fig. S5 ^1H NMR spectrum of compound **9** in CDCl_3

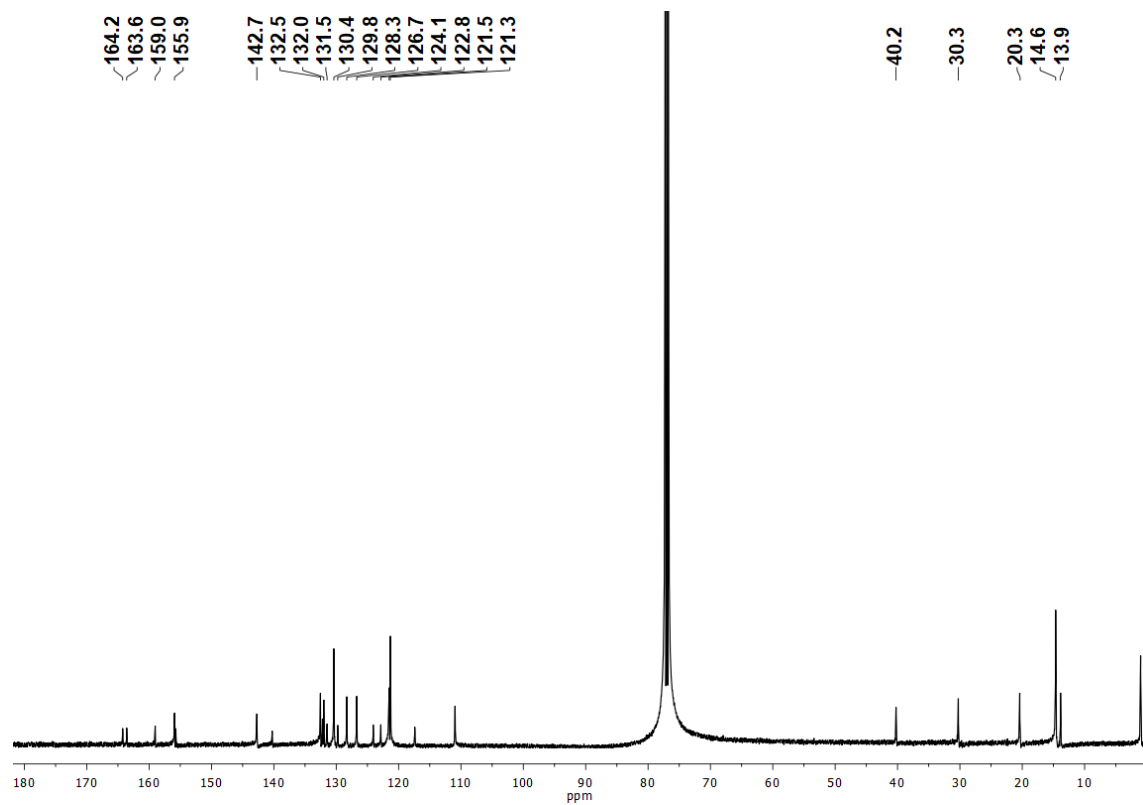


Fig. S6 ^{13}C NMR spectrum of compound **9** in CDCl_3

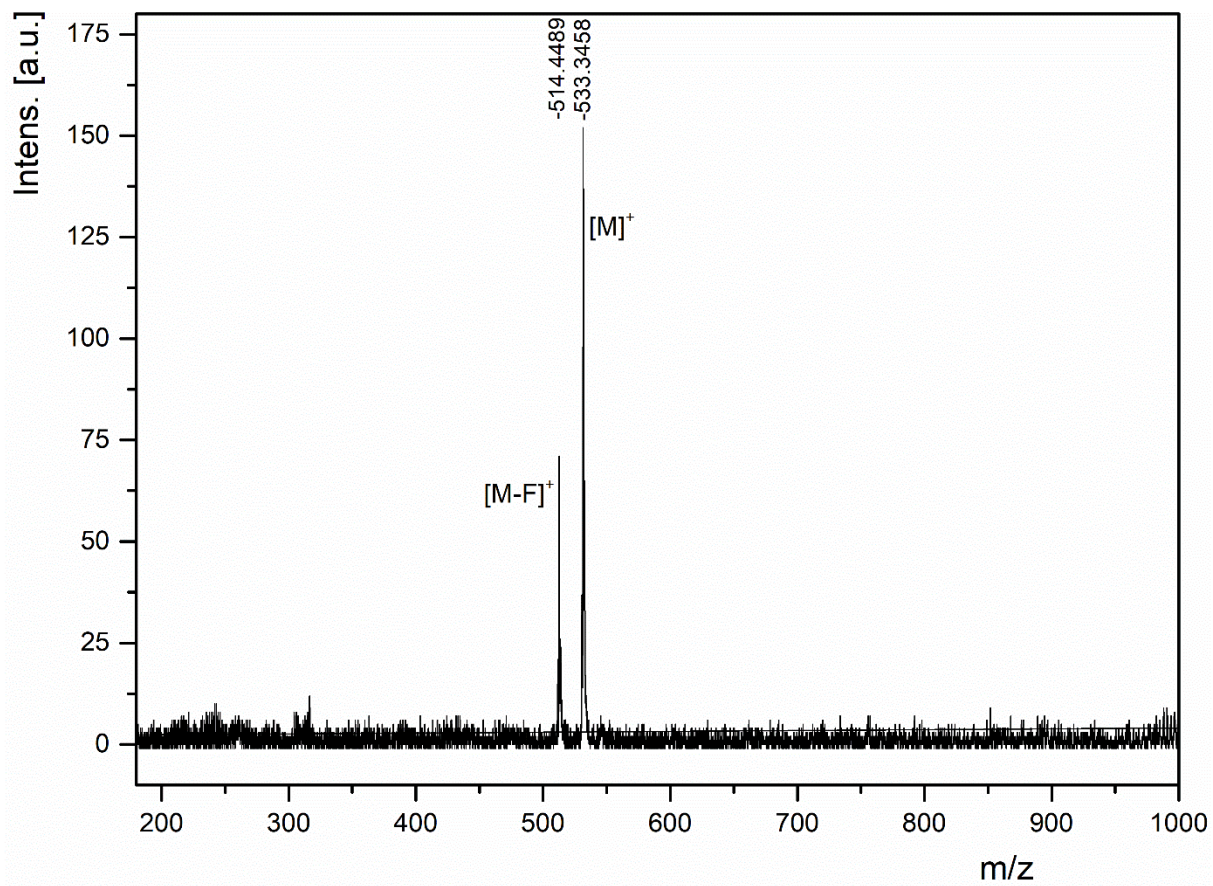


Fig. S7 MALDI-MS spectrum of compound **10**

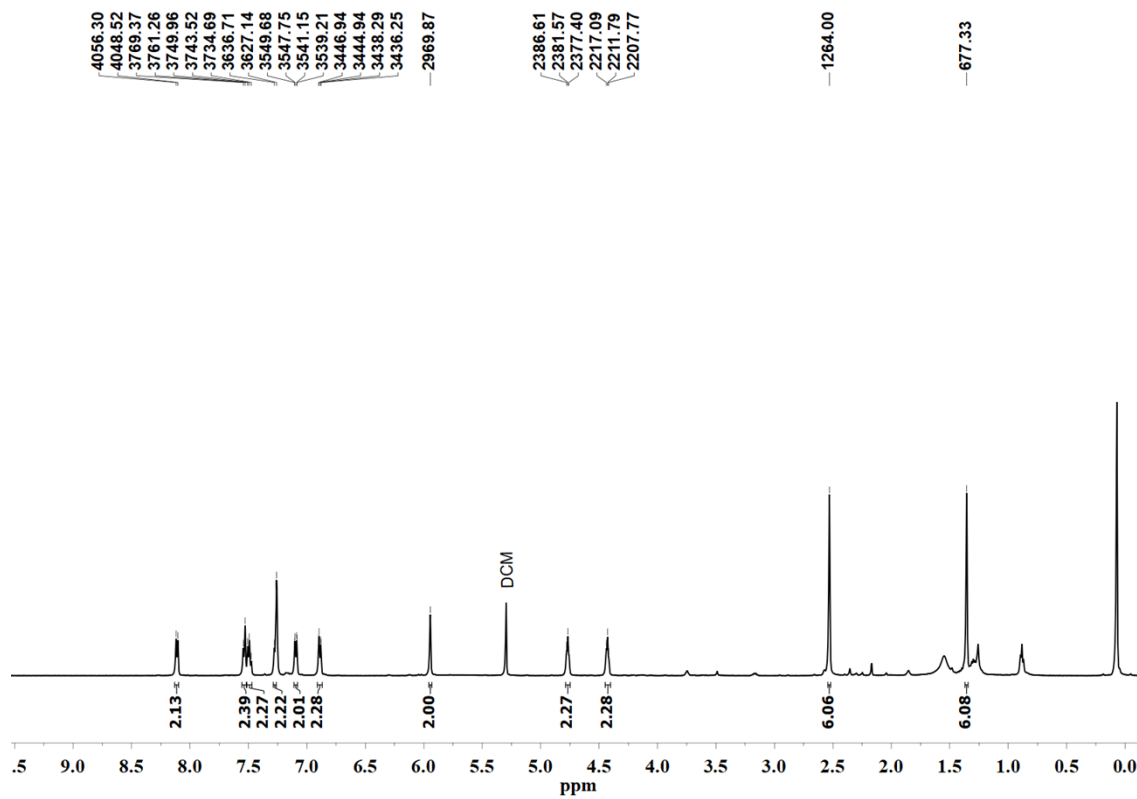


Fig. S8 ^1H NMR spectrum of compound **10** in CDCl_3

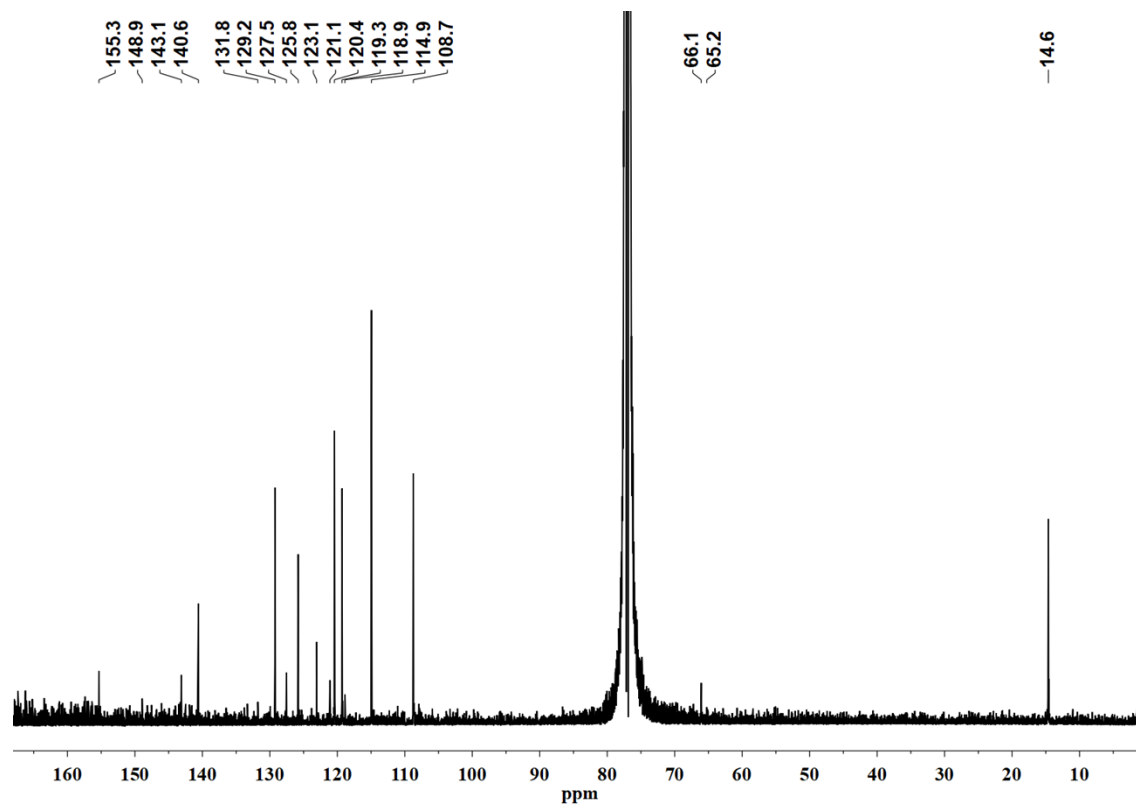


Fig. S9 ^{13}C NMR spectrum of compound **10** in CDCl_3

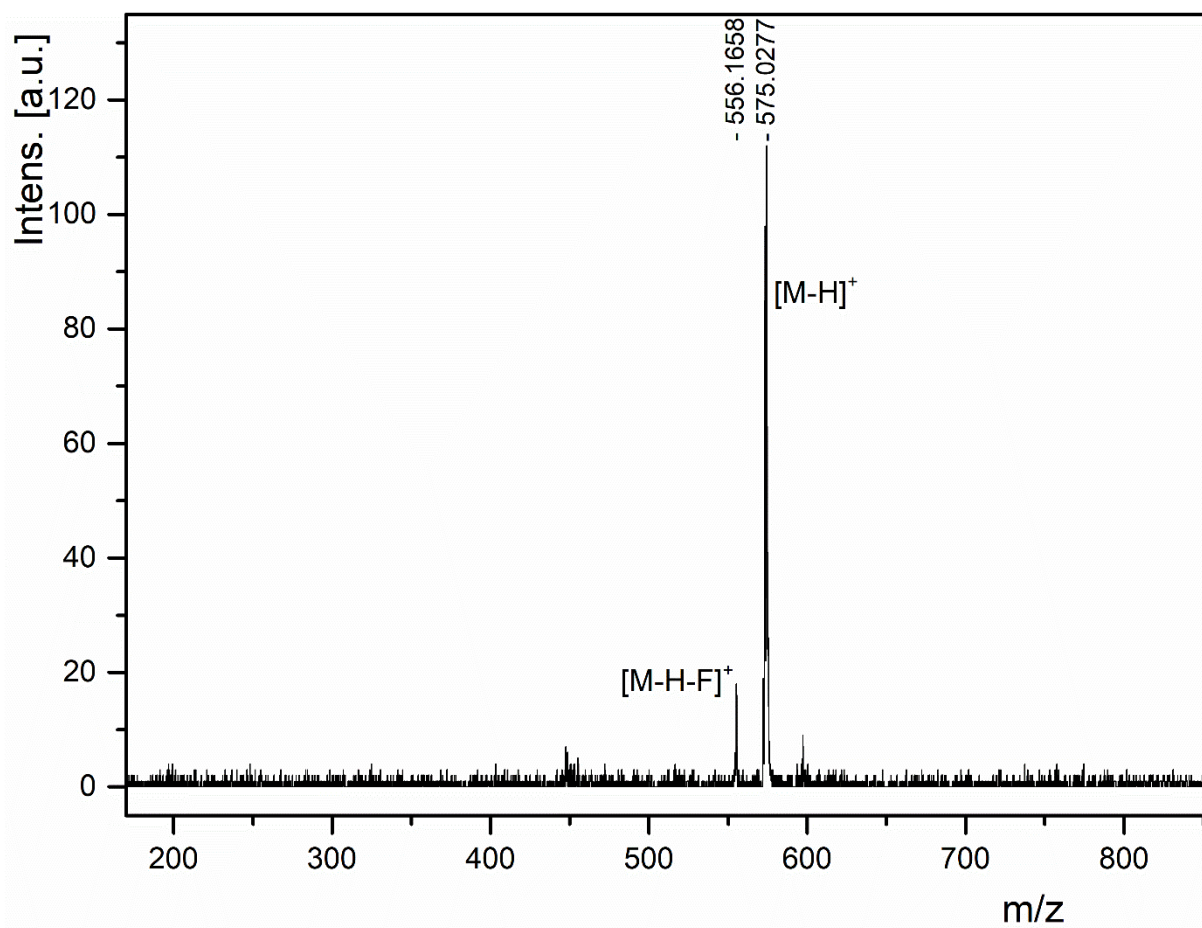


Fig. S10 MALDI-MS spectrum of compound **11**

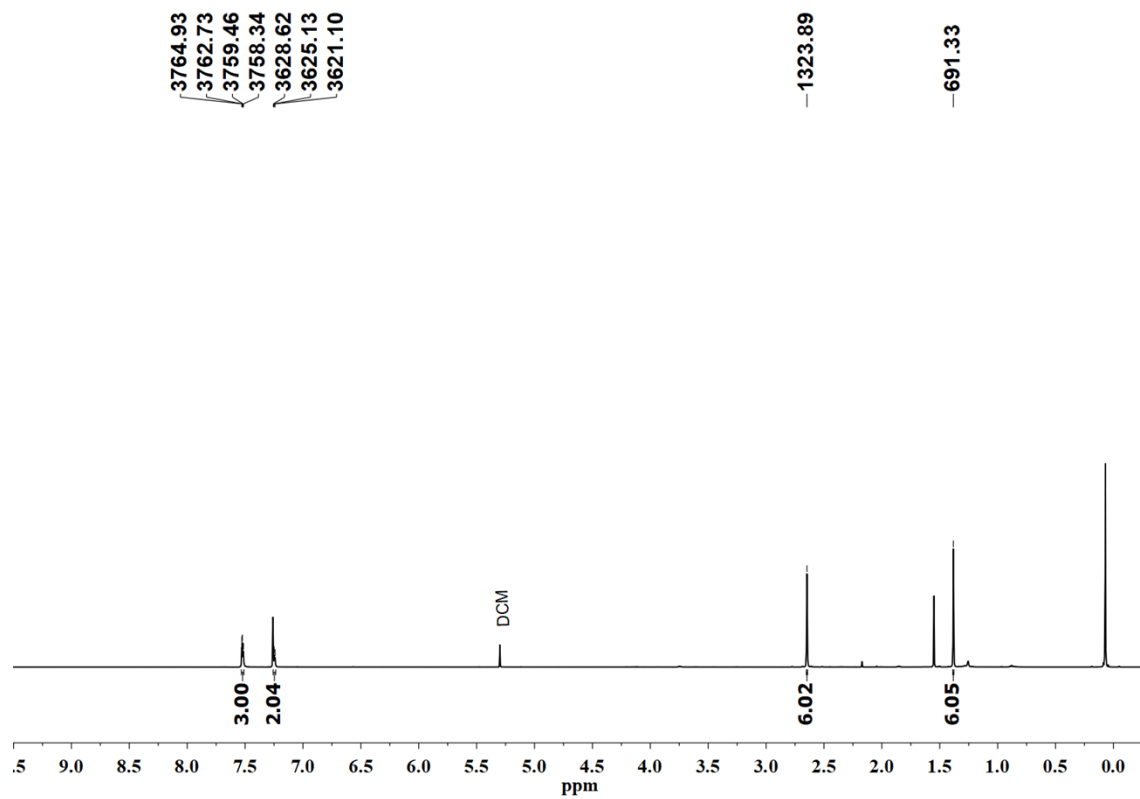


Fig. S11 ^1H NMR spectrum of compound **11** in CDCl_3

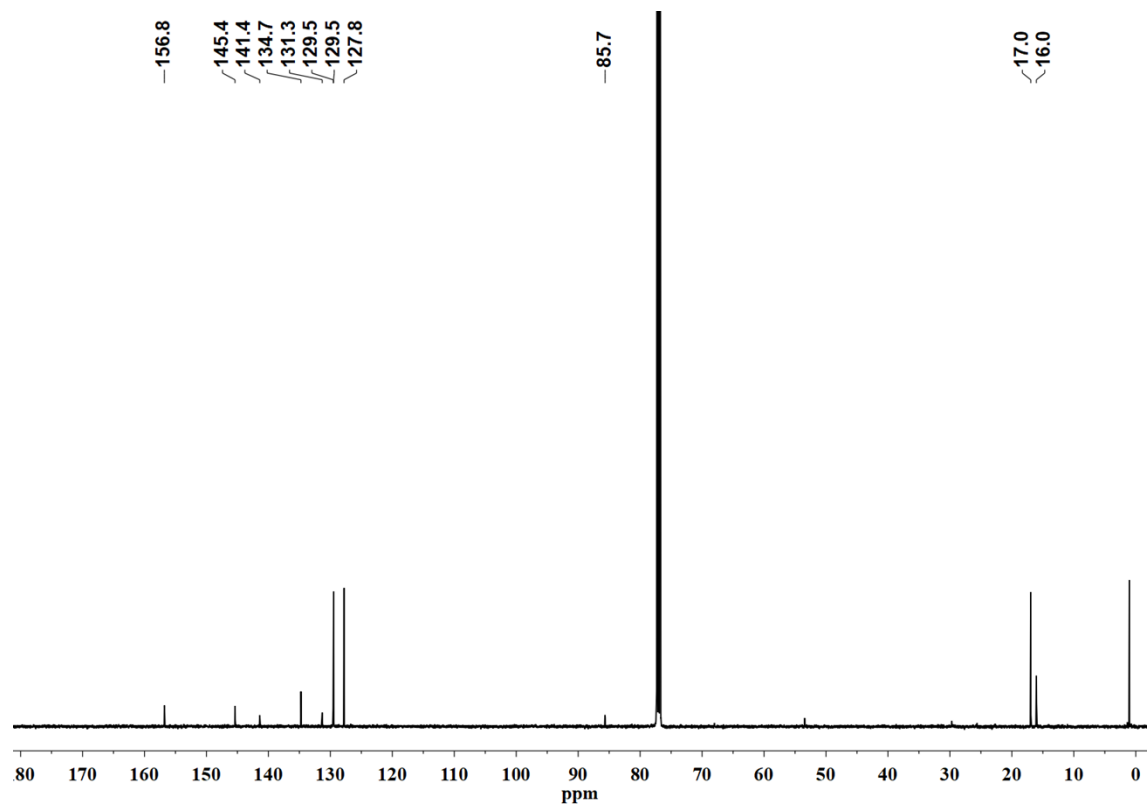


Fig. S12 ^{13}C NMR spectrum of compound **11** in CDCl_3

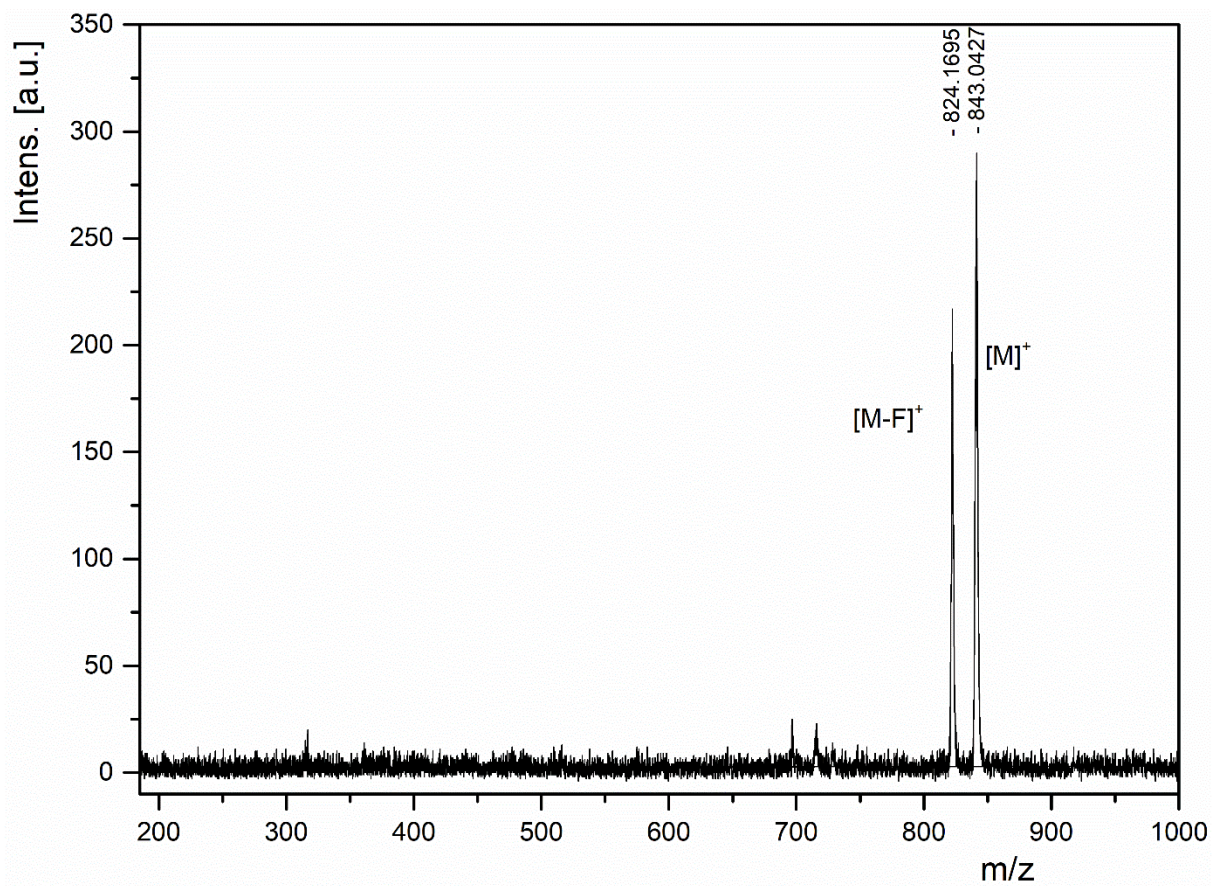


Fig. S13 MALDI-MS spectrum of compound **12**

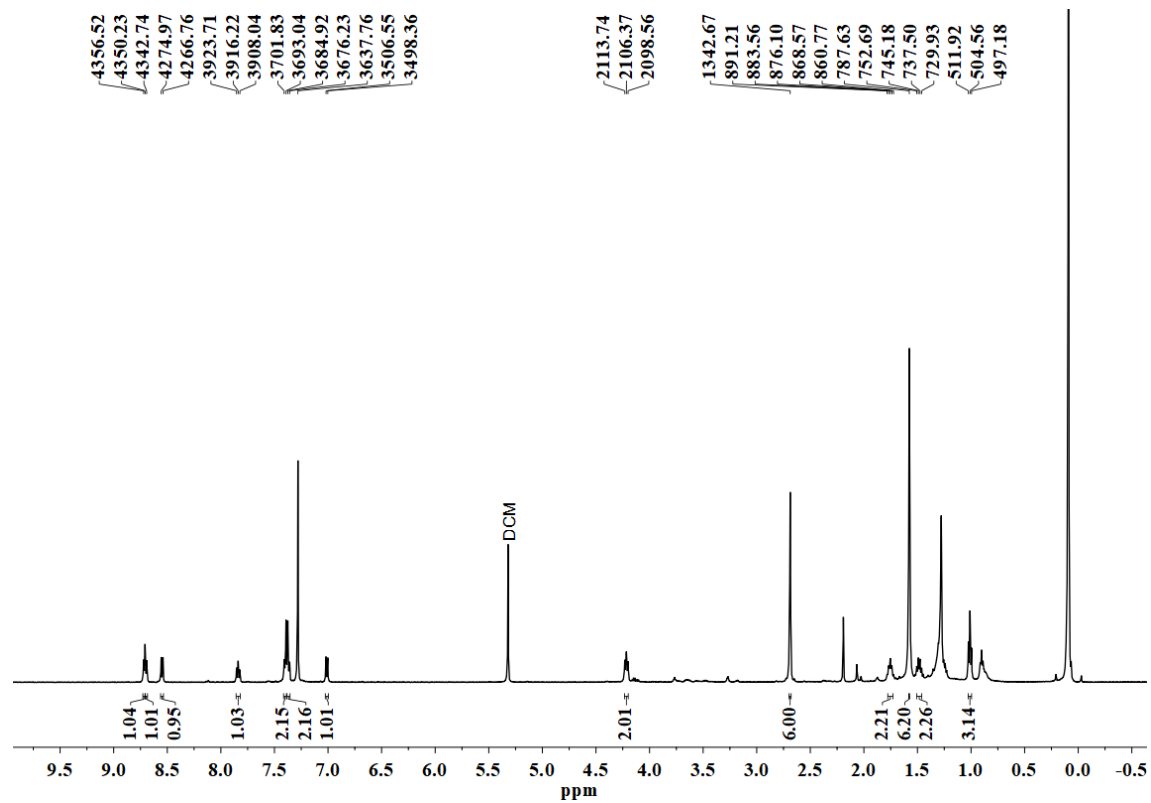


Fig. S14 ¹H NMR spectrum of compound 12 in CDCl₃

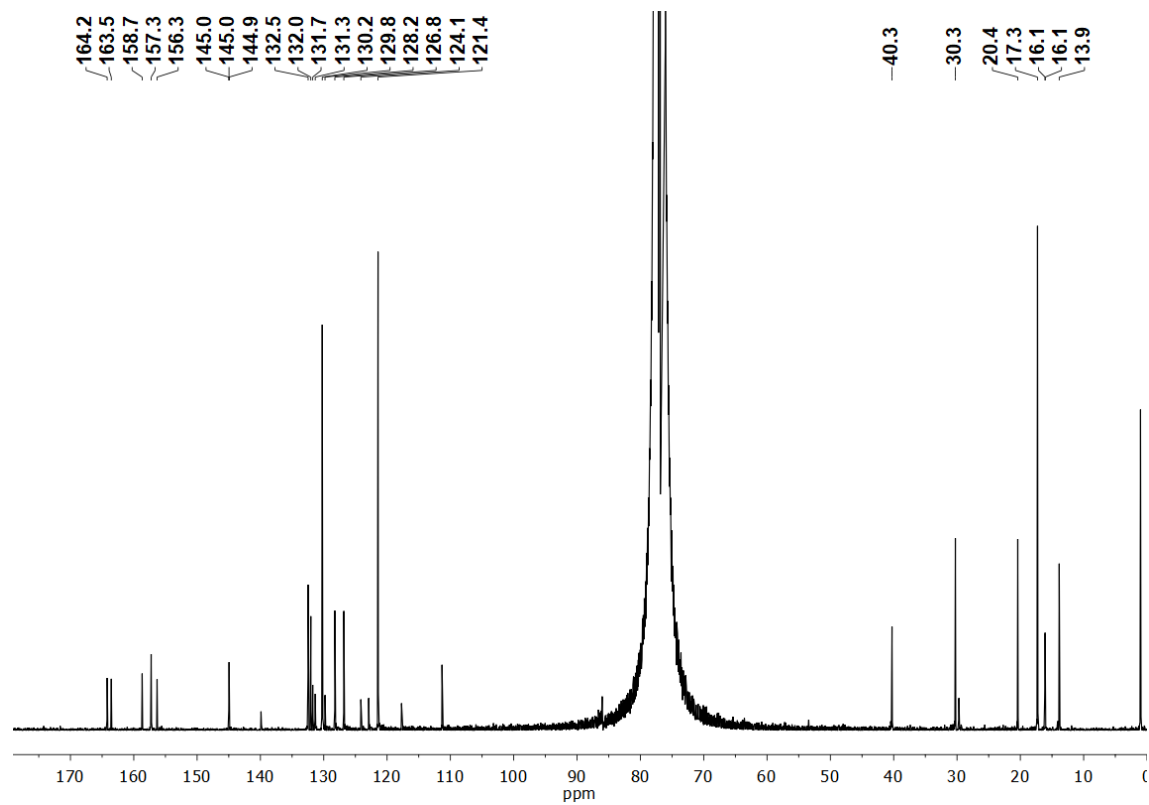


Fig. S15 ^{13}C NMR spectrum of compound **12** in CDCl_3

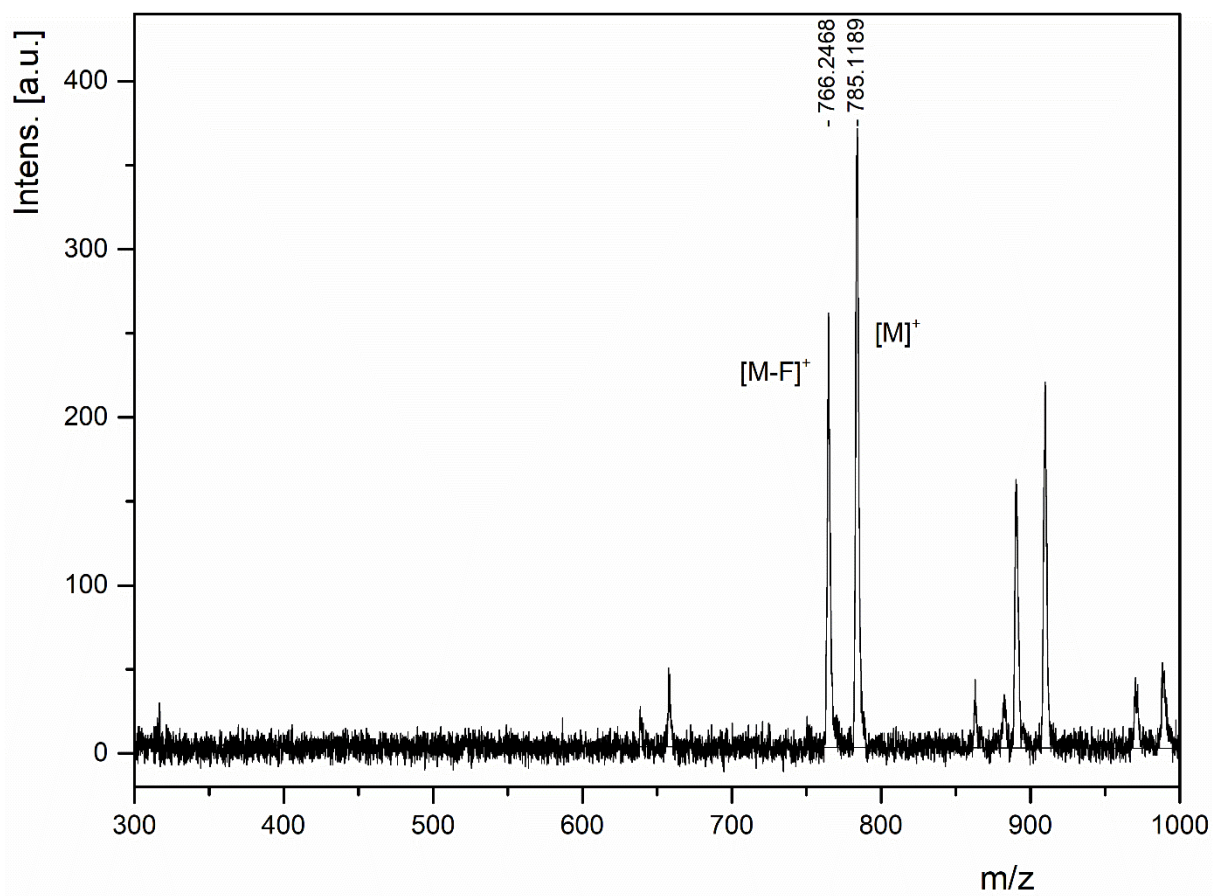


Fig. S16 MALDI-MS spectrum of compound **13**

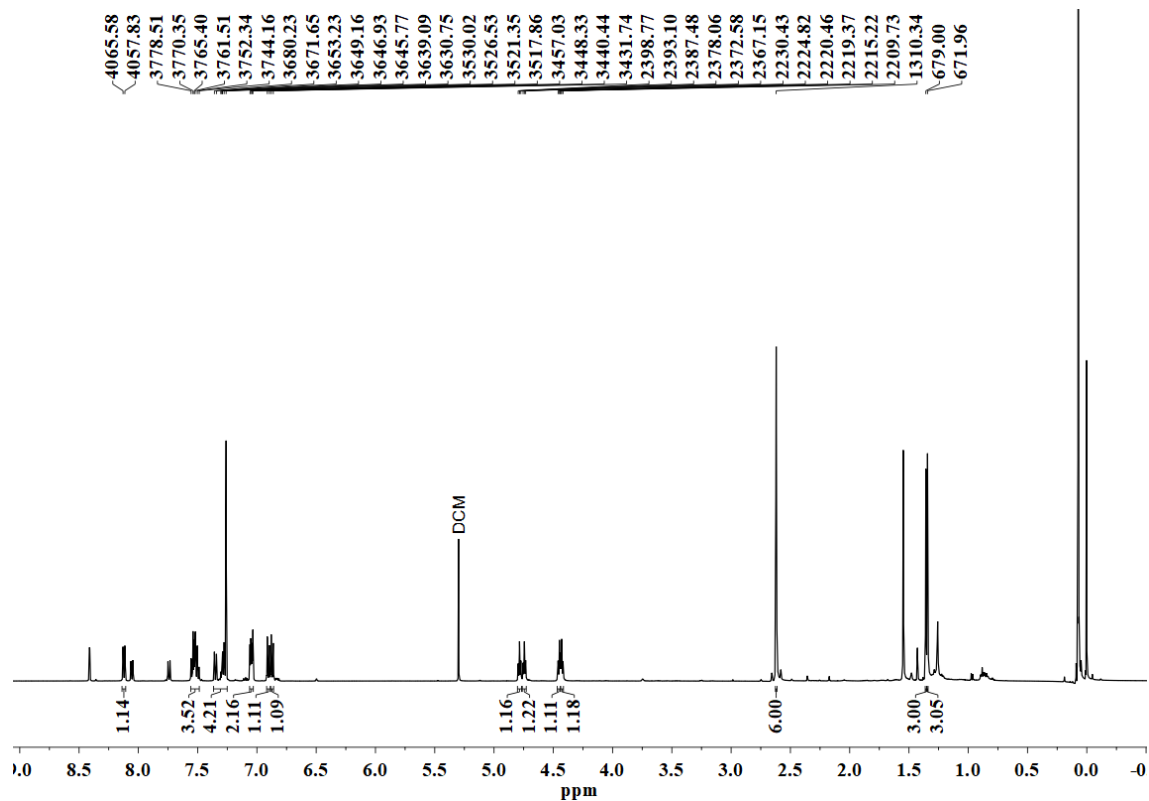


Fig. S17 ^1H NMR spectrum of compound **13** in CDCl_3

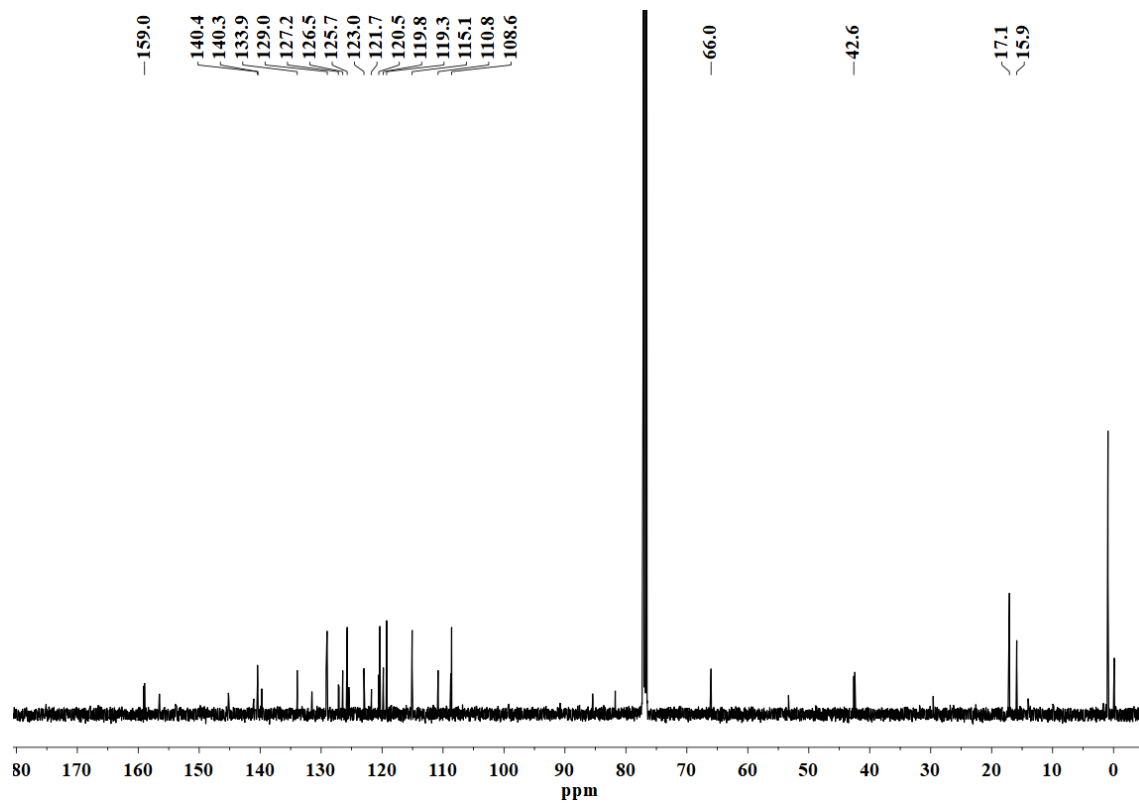


Fig. S18 ^{13}C NMR spectrum of compound **13** in CDCl_3

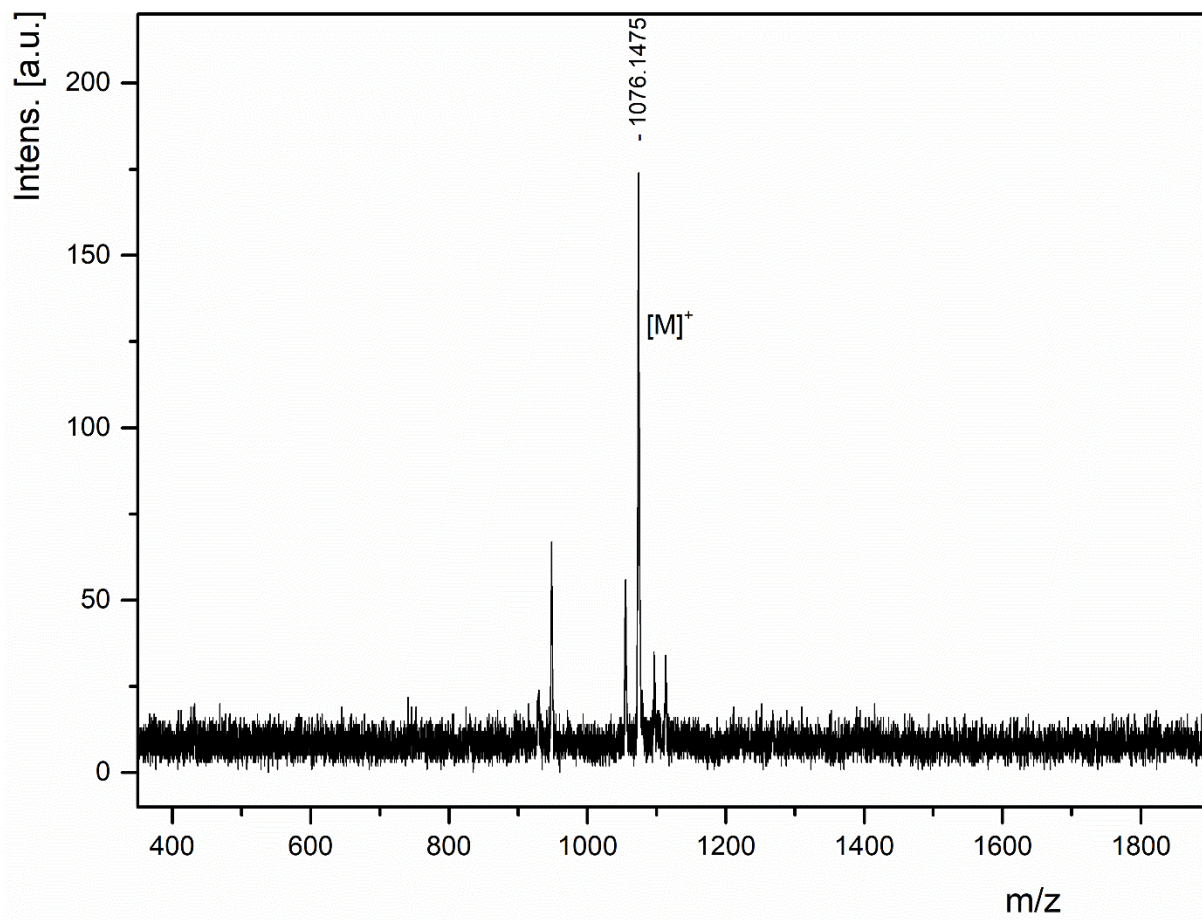


Fig. S19 MALDI-MS spectrum of compound **14**

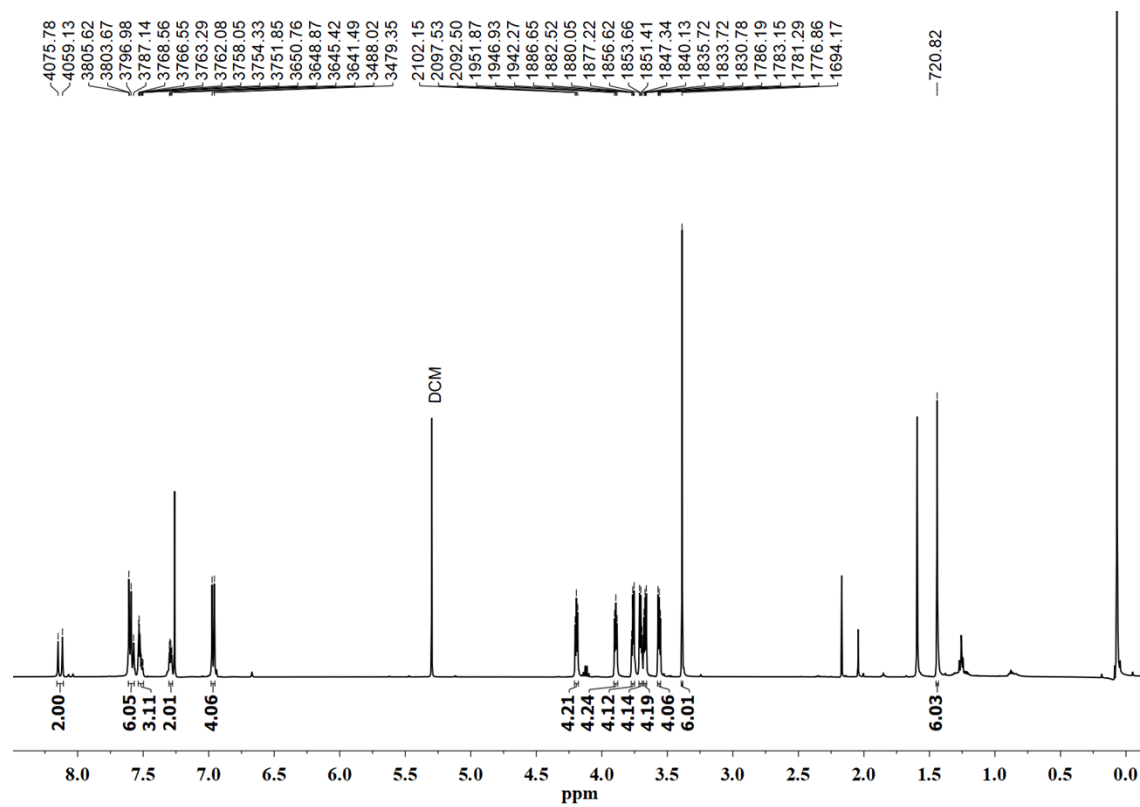


Fig. S20 ^1H NMR spectrum of compound **14** in CDCl_3

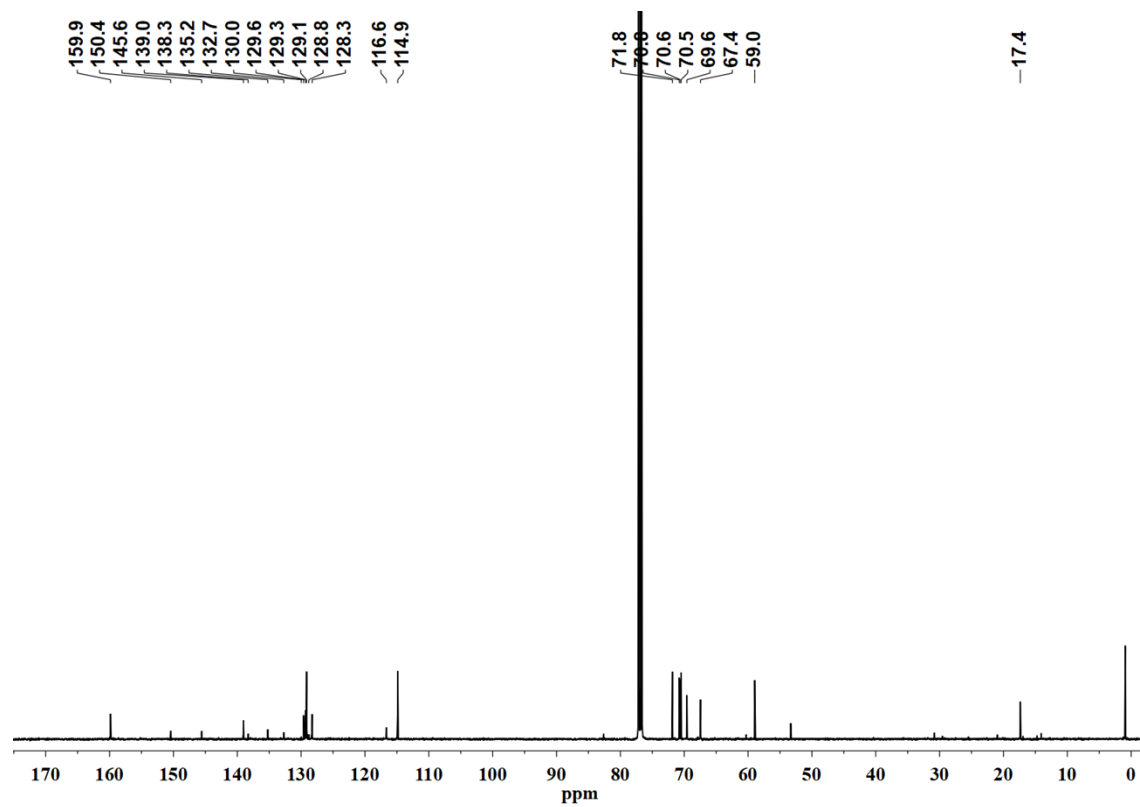


Fig. S21 ^{13}C NMR spectrum of compound 14 in CDCl_3

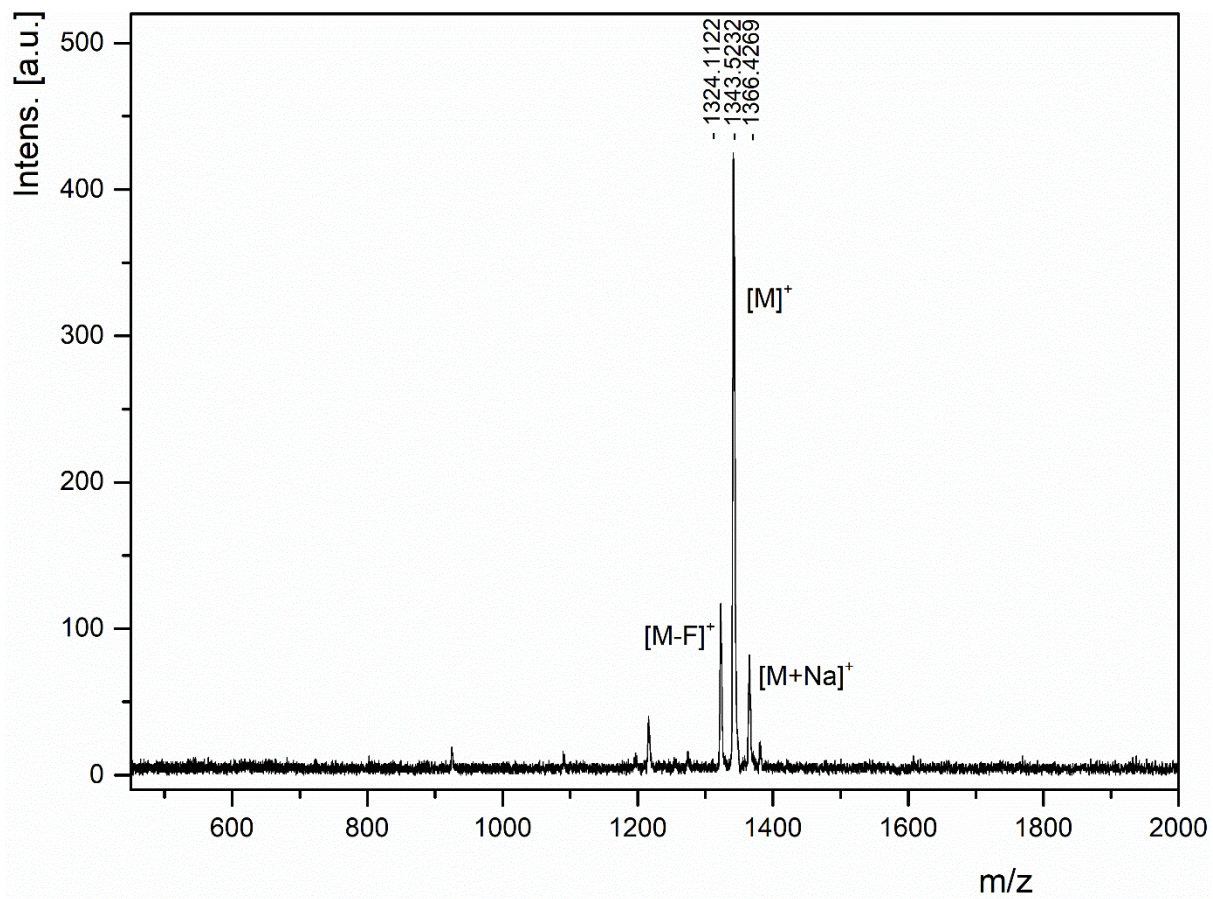


Fig. S22 MALDI-MS spectrum of compound **15**

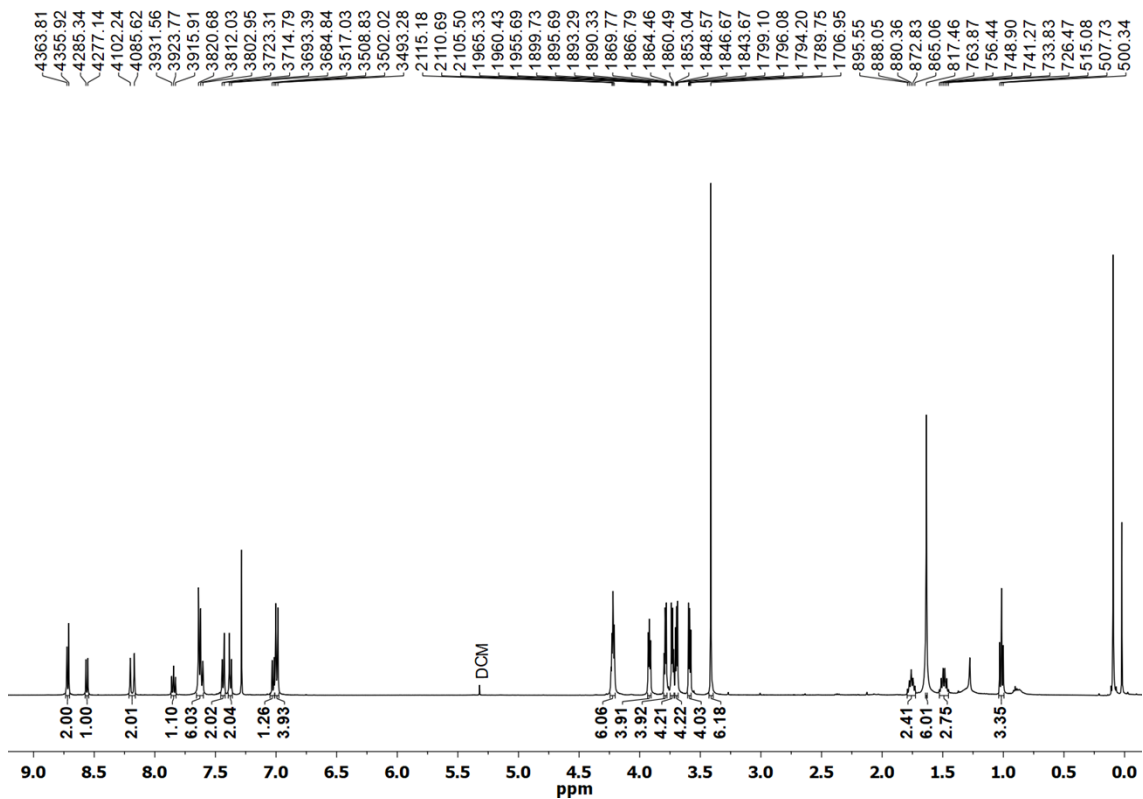


Fig. S23 ^1H NMR spectrum of compound **15** in CDCl_3

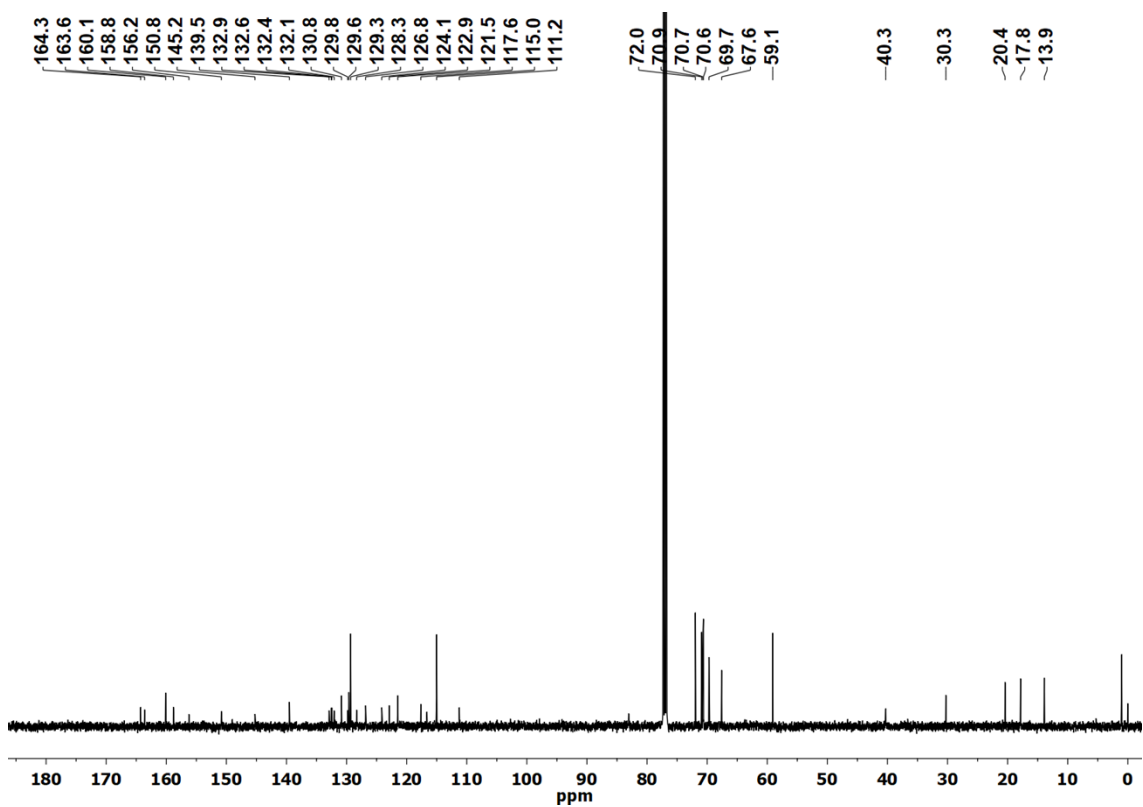


Fig. S24 ^{13}C NMR spectrum of compound **15** in CDCl_3

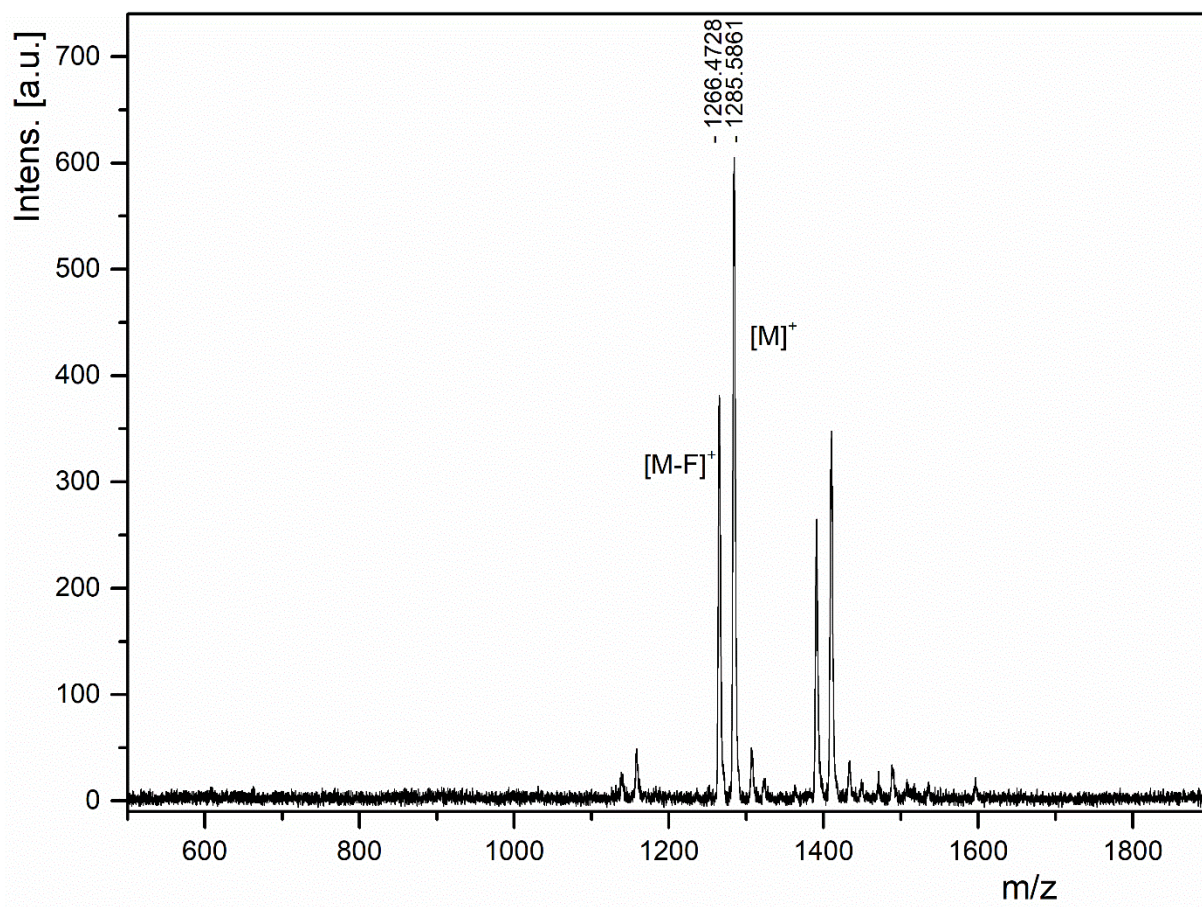


Fig. S25 MALDI-MS spectrum of compound **16**

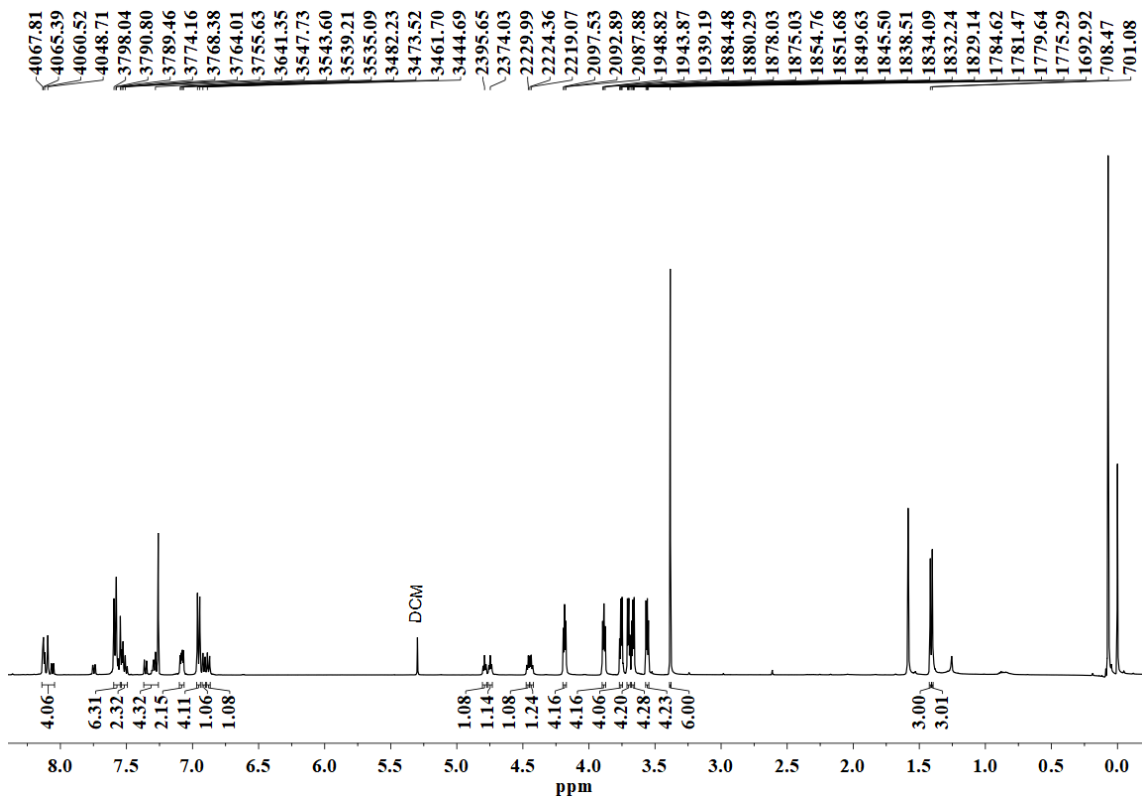


Fig. S26 ^1H NMR spectrum of compound **16** in CDCl_3

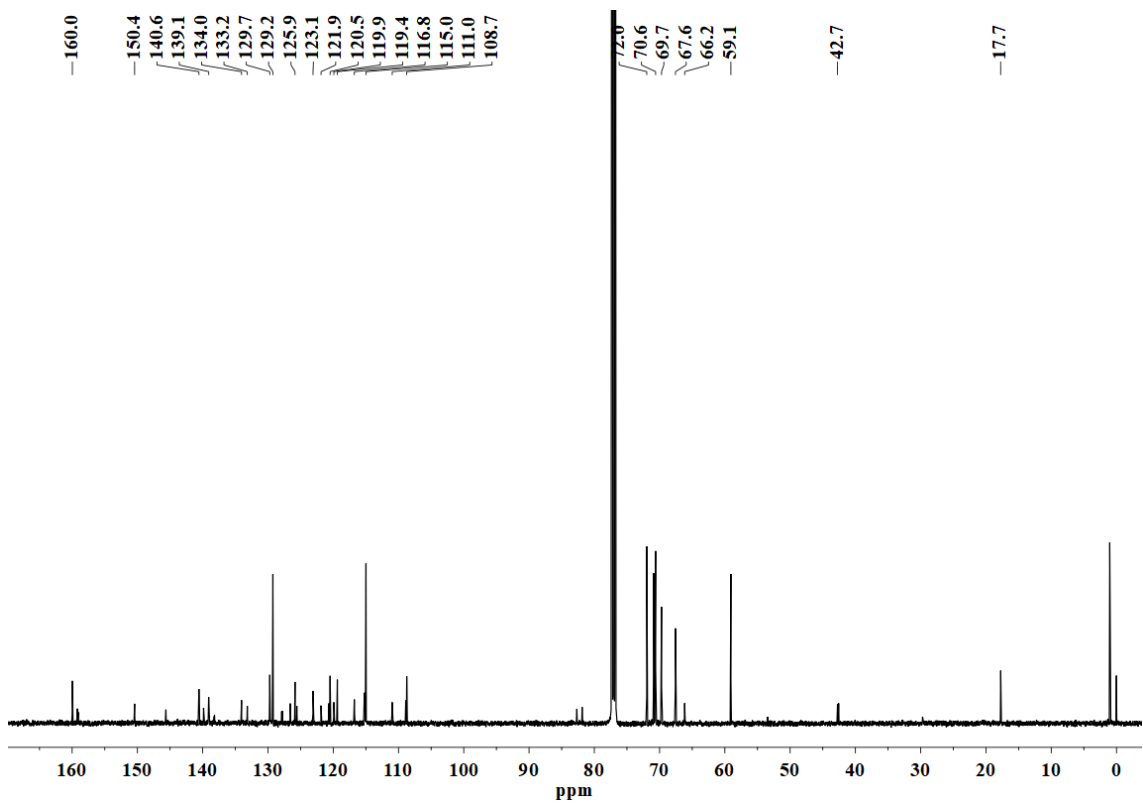


Fig. S27 ^{13}C NMR spectrum of compound **16** in CDCl_3

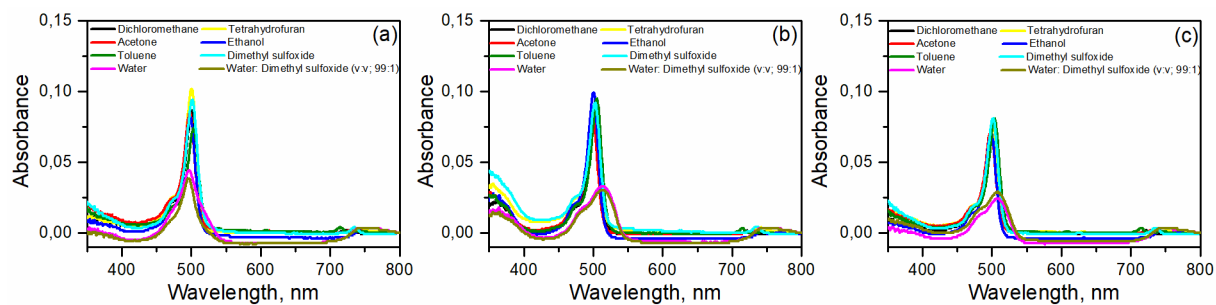


Fig. S28 Absorbance spectra of compounds (a) **8**, (b) **9** and (c) **10** in different solvents (1 μM)

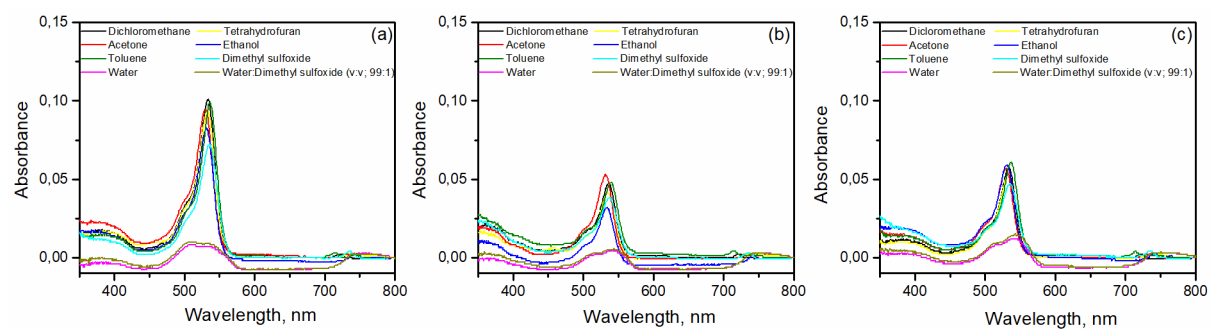


Fig. S29 Absorbance spectra of compounds (a) **11**, (b) **12** and (c) **13** in different solvents (1 μM)

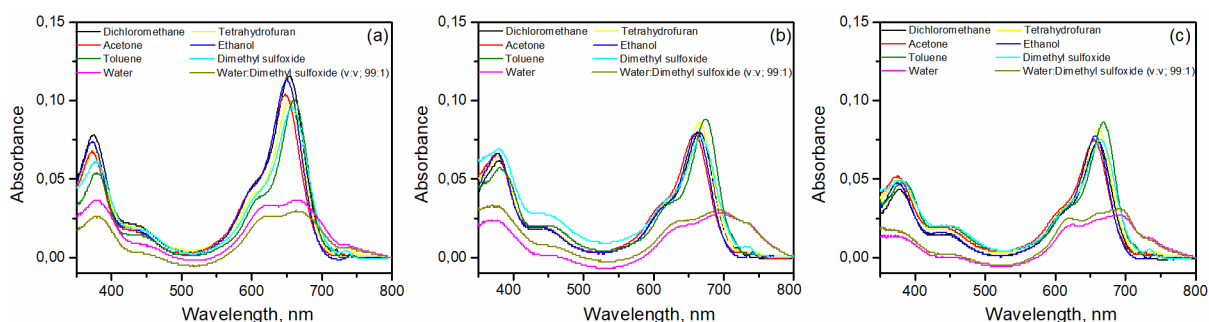


Fig. S30 Absorbance spectra of compounds (a) **14**, (b) **15** and (c) **16** in different solvents (1 μM)

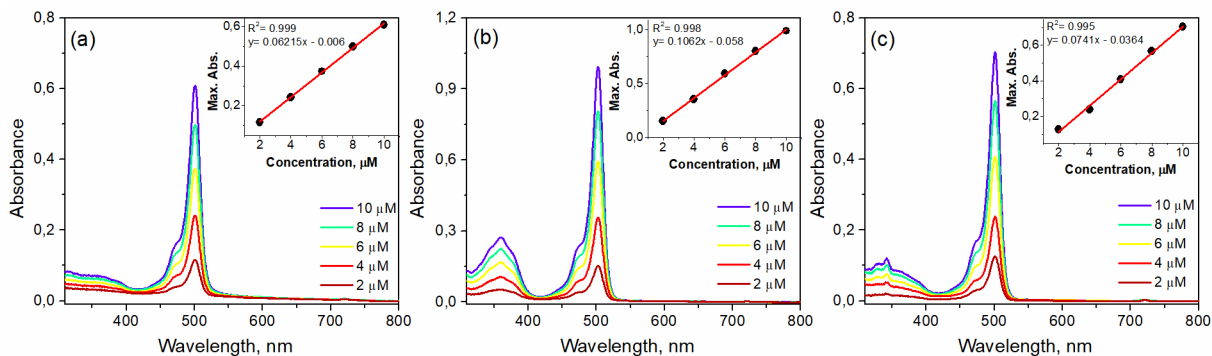


Fig. S31 Absorption spectra of compounds (a) **8**, (b) **9** and (c) **10** in DCM at different concentrations

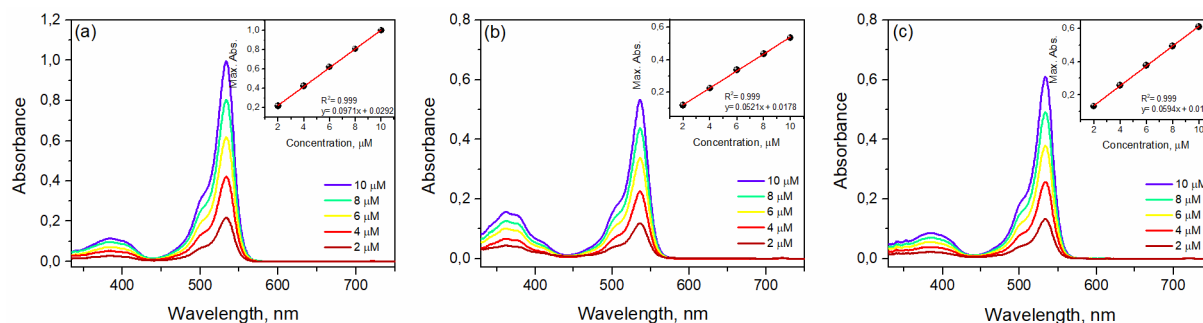


Fig. S32 Absorption spectra of compounds (a) 11, (b) 12 and (c) 13 in DCM at different concentrations

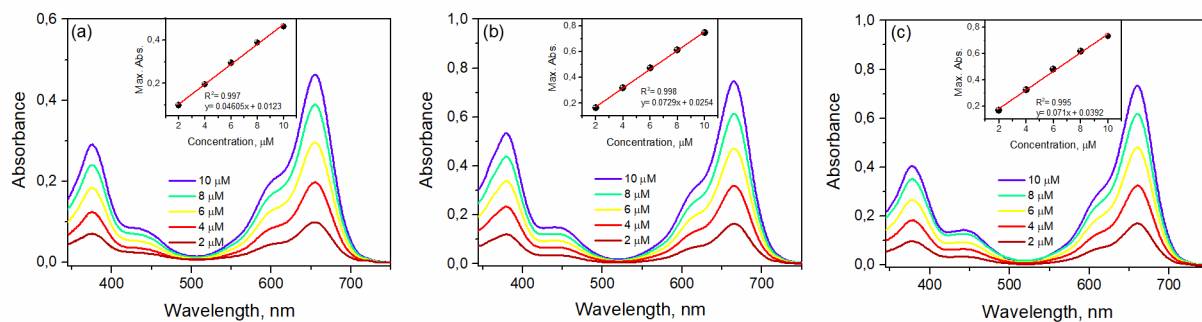


Fig. S33 Absorption spectra of compounds (a) 14, (b) 15 and (c) 16 in DCM at different concentrations

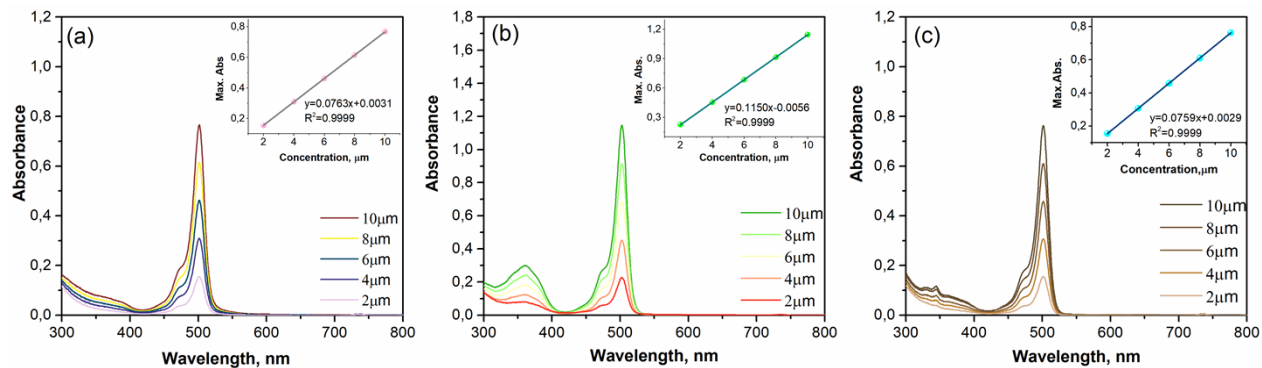


Fig. S34 Absorption spectra of compounds (a) 8, (b) 9 and (c) 10 in DMSO at different concentrations

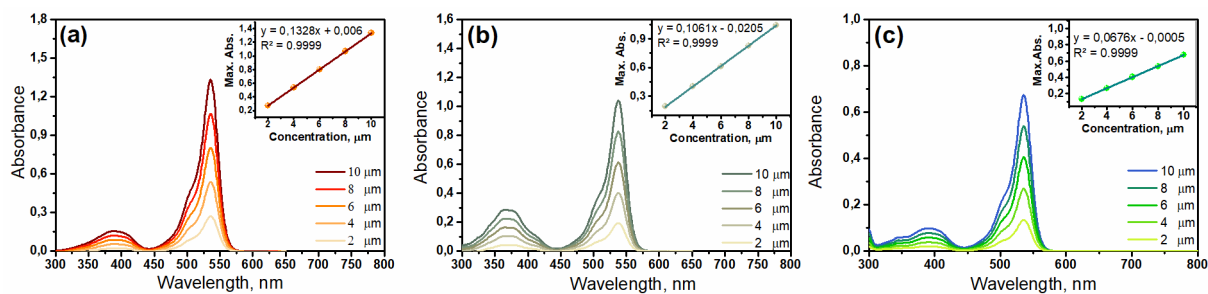


Fig. S35 Absorption spectra of compounds (a) 11, (b) 12 and (c) 13 in DMSO at different

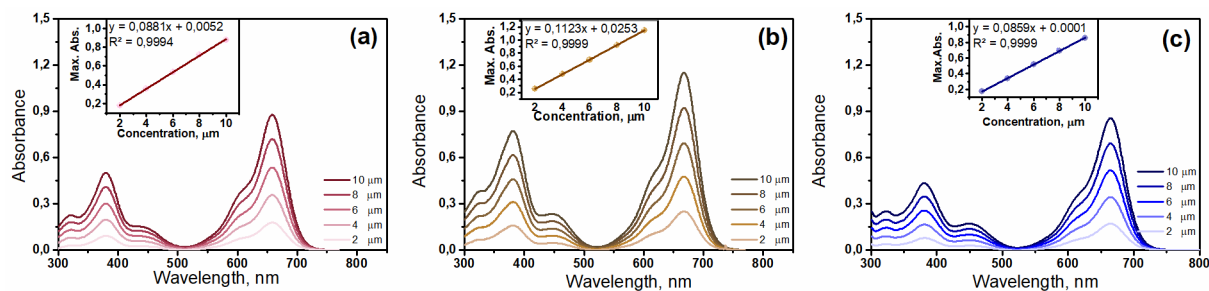


Fig. S36 Absorption spectra of compounds (a) 14, (b) 15 and (c) 16 in DMSO at different concentrations

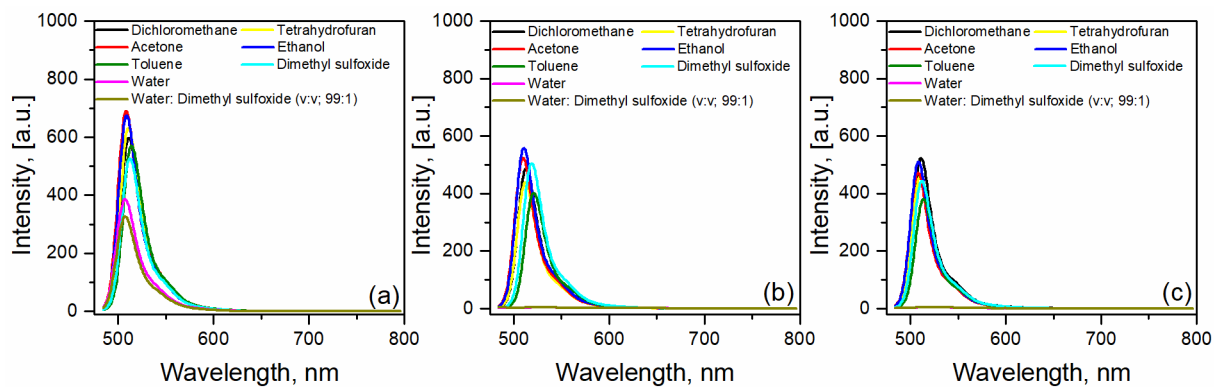


Fig. S37 Fluorescence spectra of compounds (a) 8, (b) 9 and (c) 10 (0.5 μM, λ_{ex} :470 nm) in different solvents

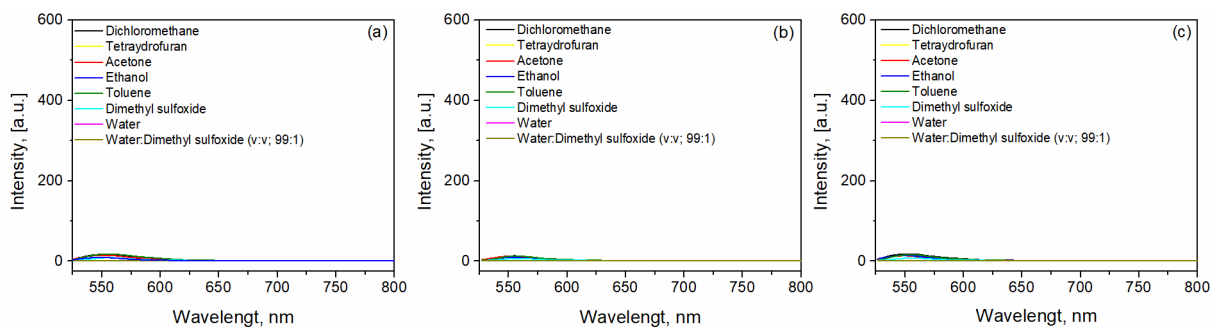


Fig. S38 Fluorescence spectra of compounds (a) **11** (λ_{ex} :500 nm), (b) **12** (λ_{ex} :510 nm) and (c) **13** (λ_{ex} :510 nm), in different solvents (0.5 μM)

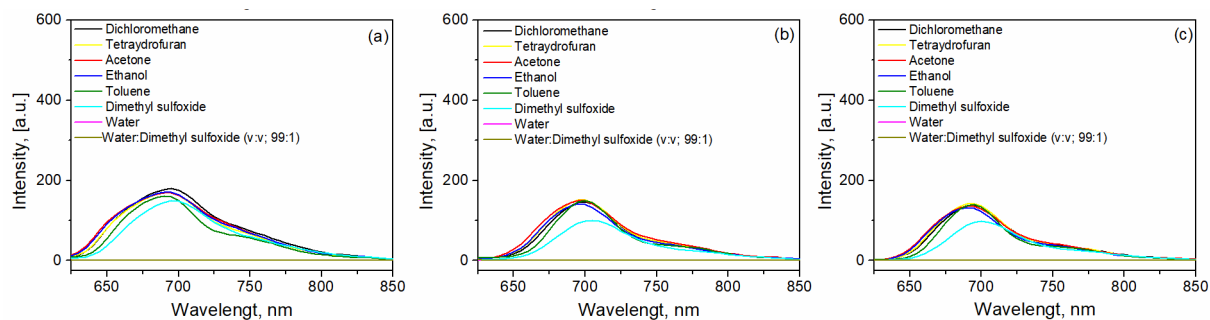


Fig. S39 Fluorescence spectra of compounds (a) **14** (λ_{ex} :500 nm), (b) **15** (λ_{ex} :510 nm) and (c) **16** (λ_{ex} :510 nm), in different solvents (0.5 μM)

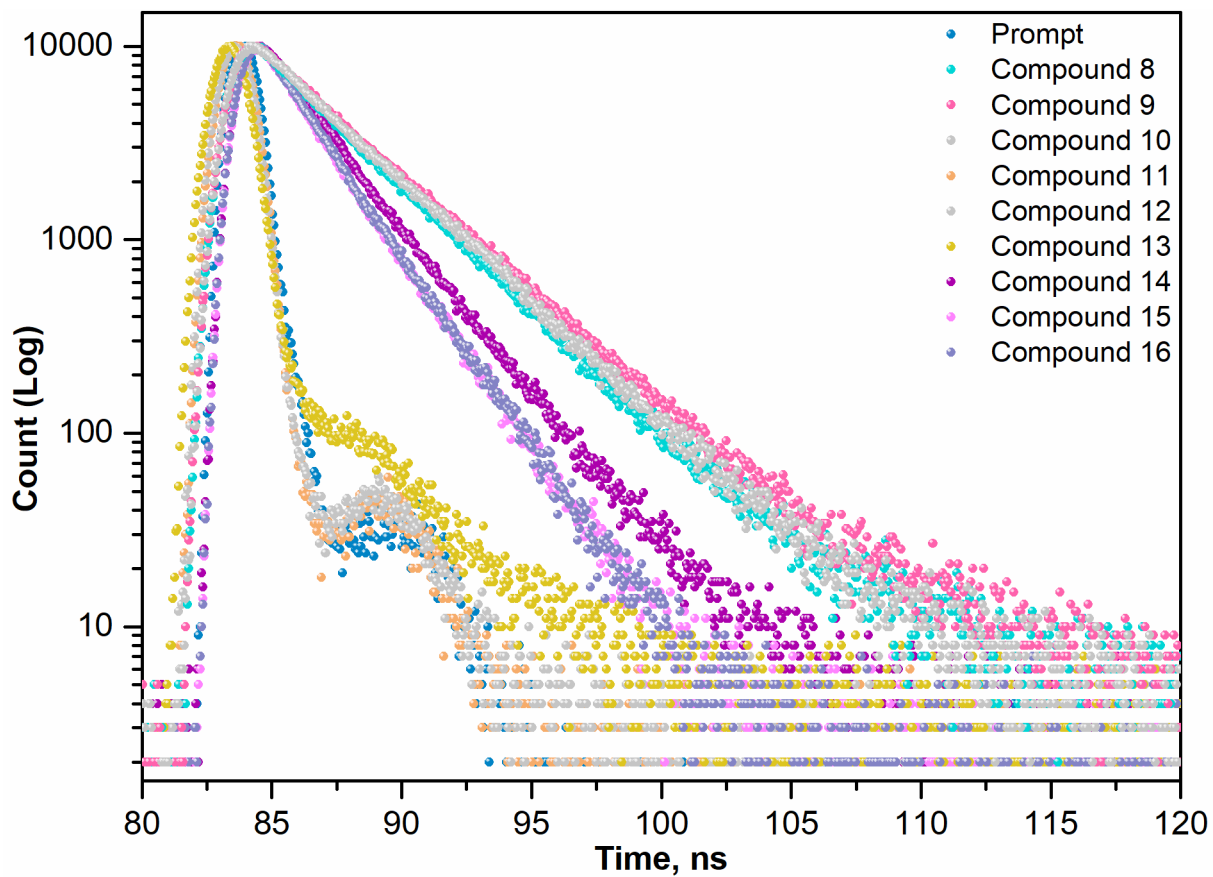


Fig. S40 Fluorescence decay profiles of compounds **11-16** in DCM

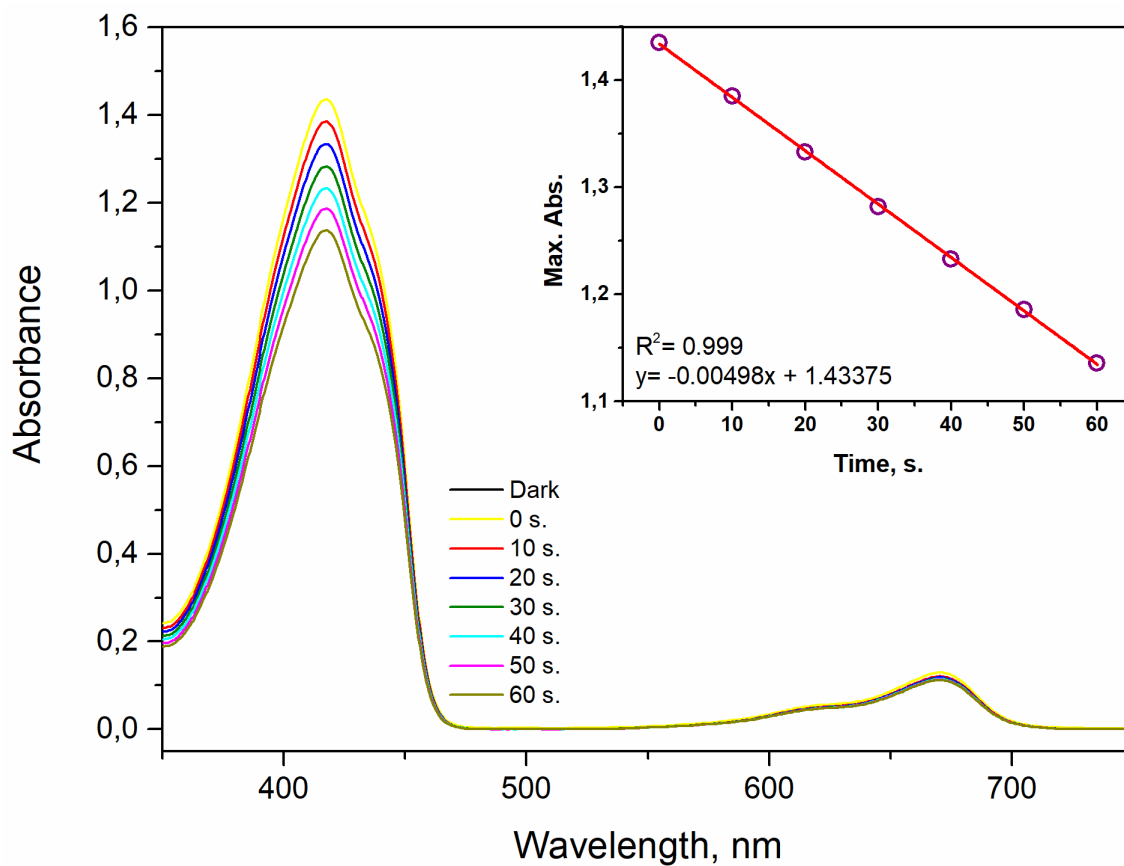


Fig. S41 Decrease in absorbance spectra of DPBF in the presence of MB in DMSO

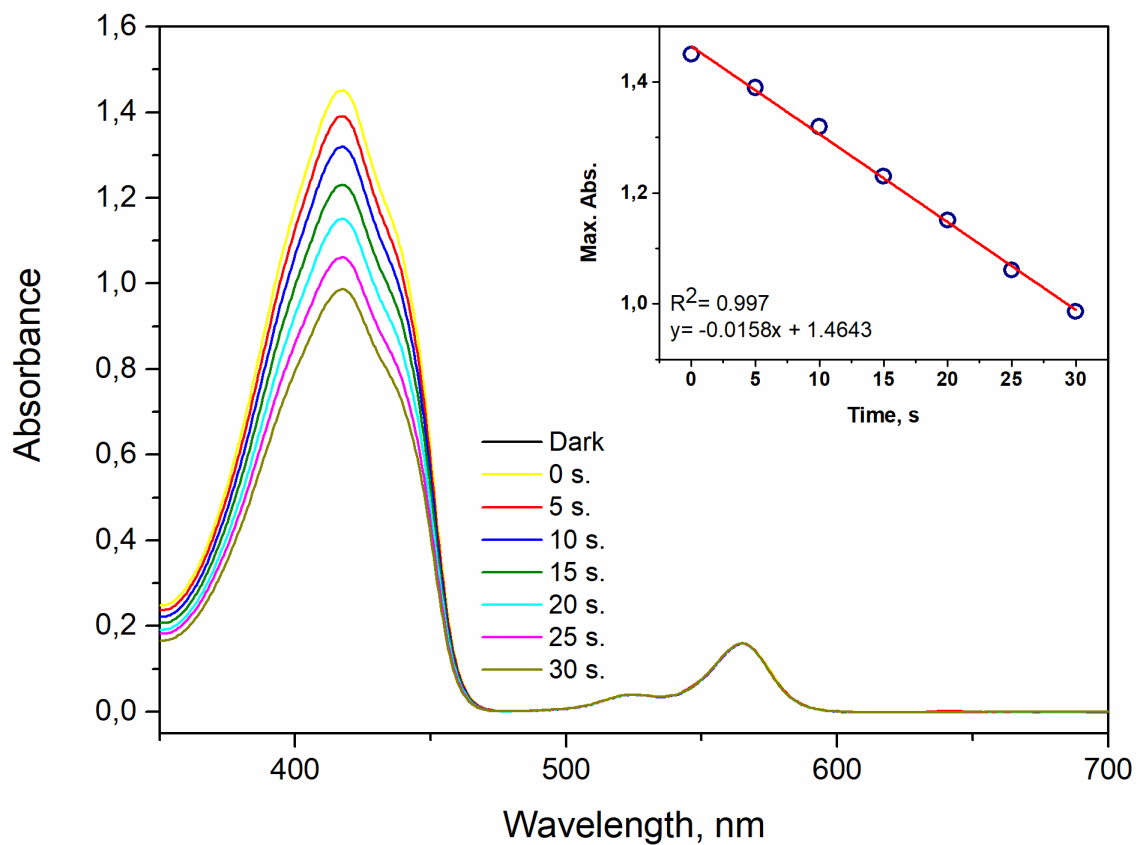


Fig. S42 Decrease in absorbance spectra of DPBF in the presence of RB in DMSO

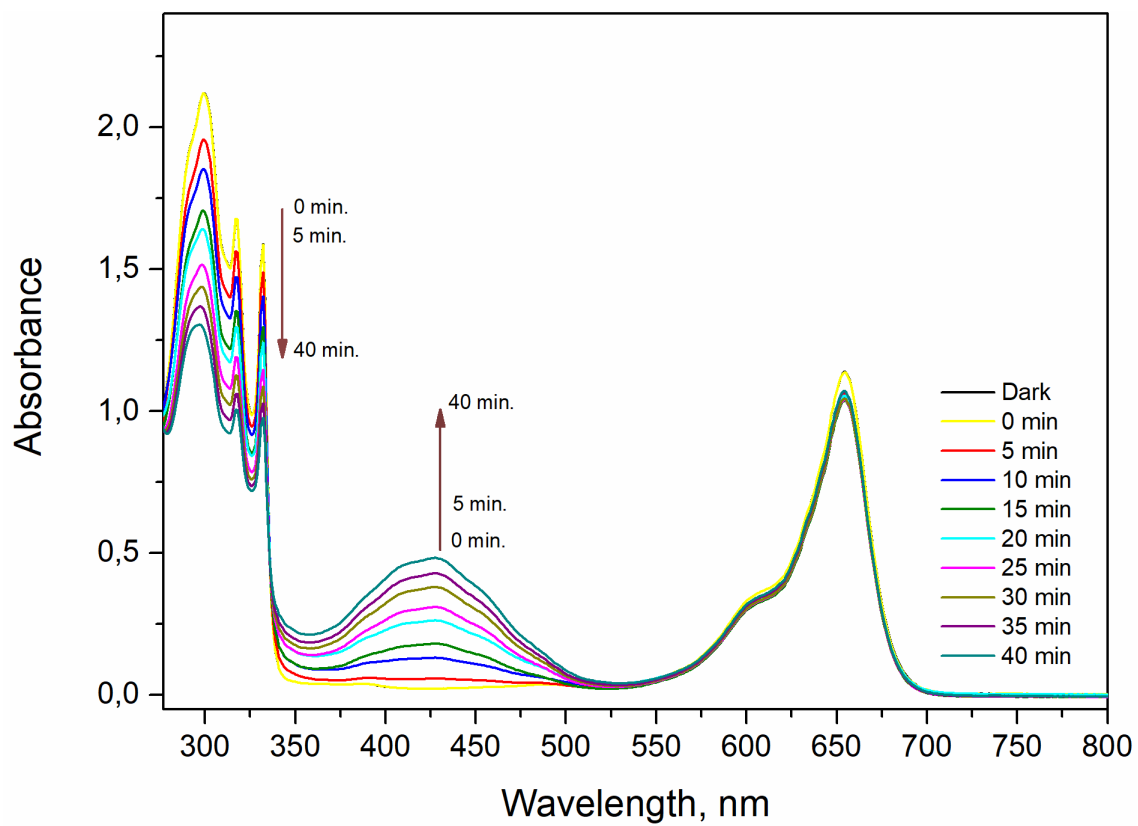


Fig. S43 Decrease in absorbance spectra of DHN in the presence of MB

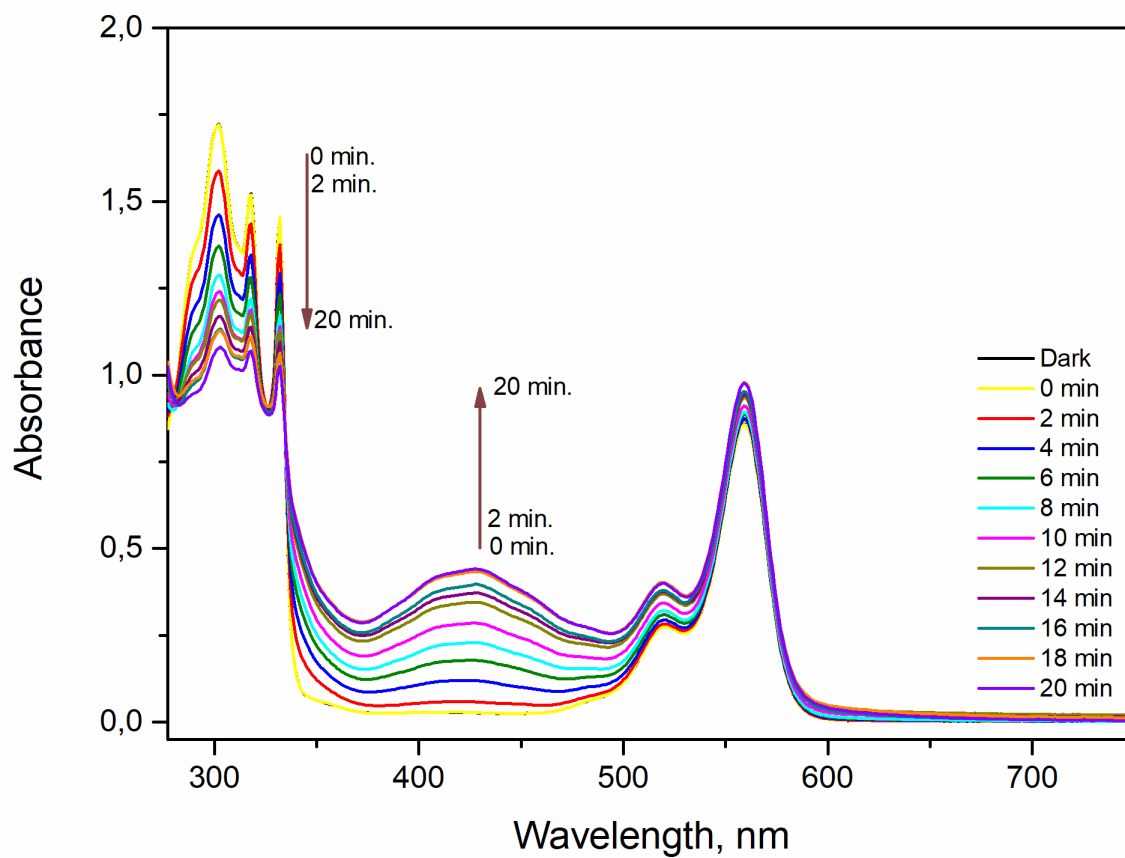


Fig. S44 Decrease in absorbance spectra of DHN in the presence of RB