Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Synthesis, Characterization, Photophysical and Photochemical Studies of BODIPY derivatives

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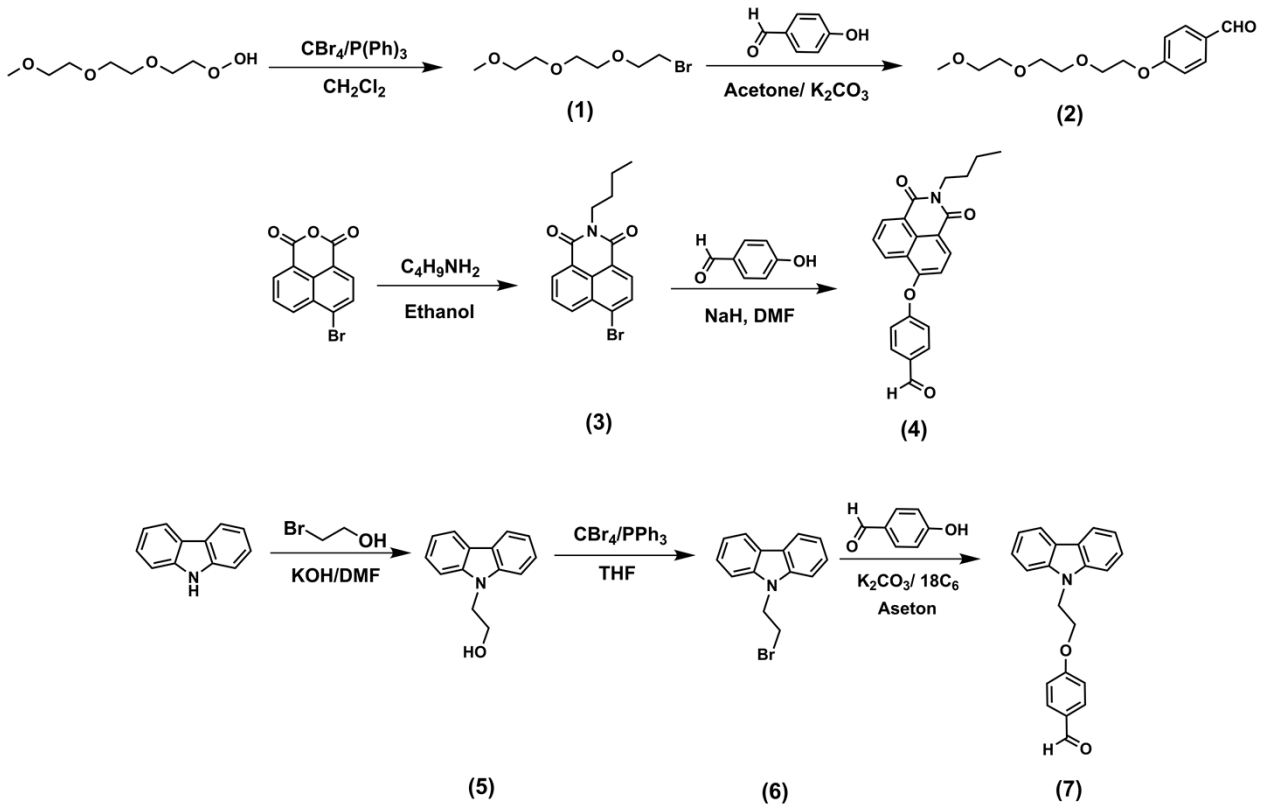

Scheme S1. Synthesis of compounds **1**-**7**

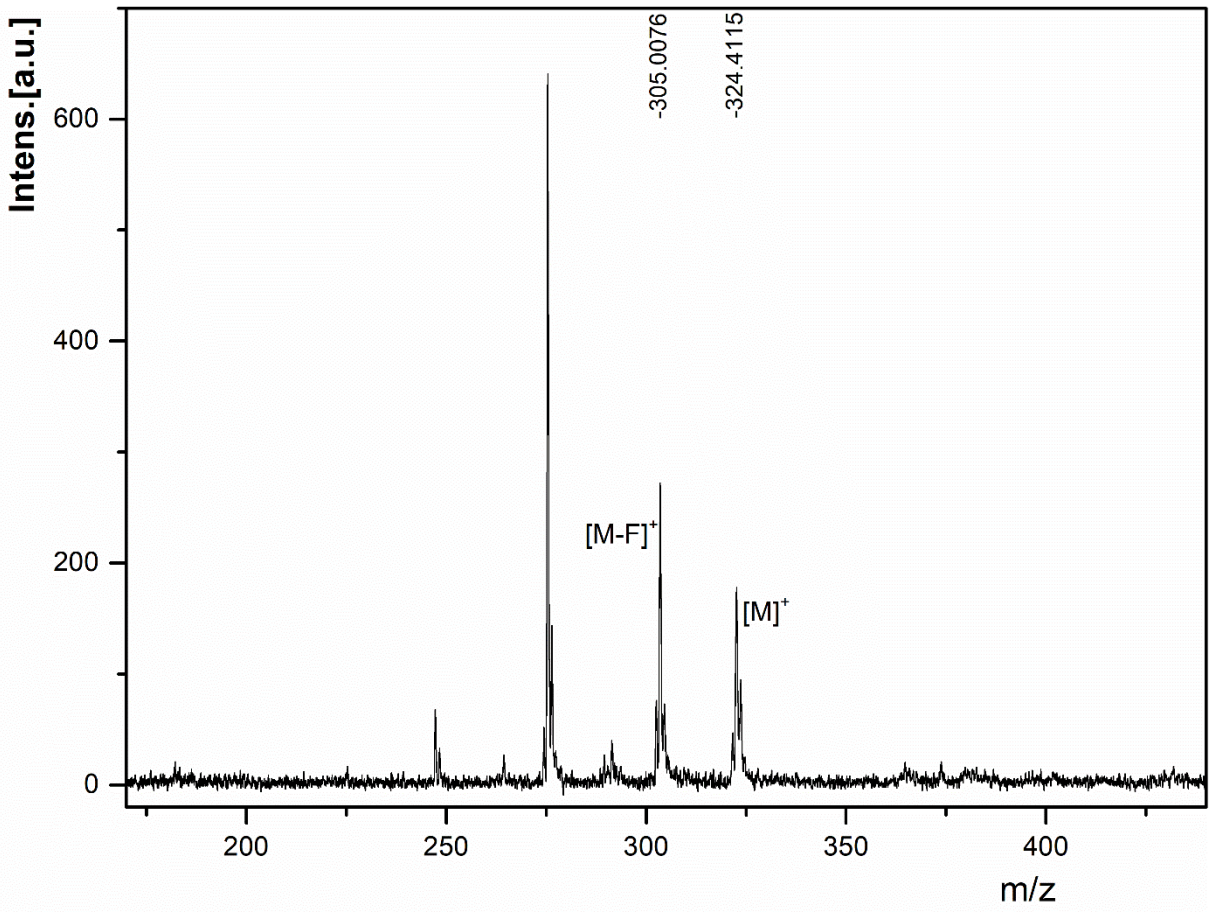

Fig. S1. MALDI-MS spectrum of compound **8**

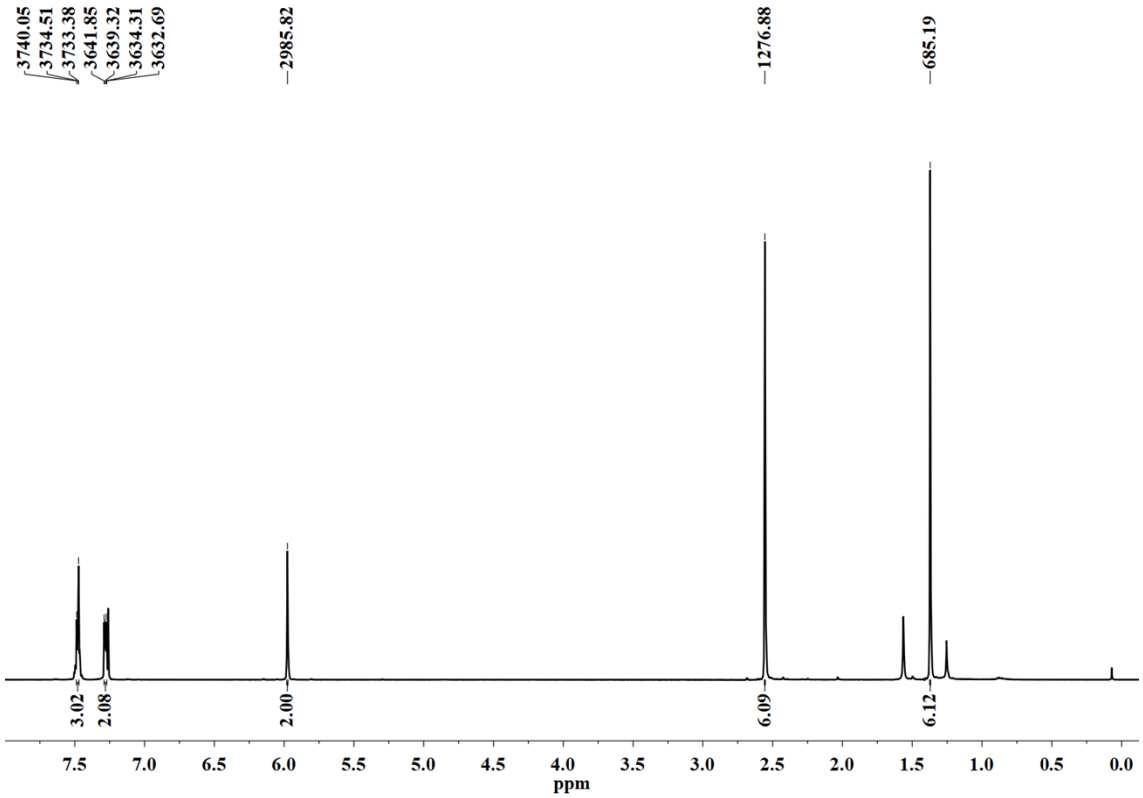

Fig. S2. ^{1}H NMR spectrum of compound **8** in $CDCl_3$

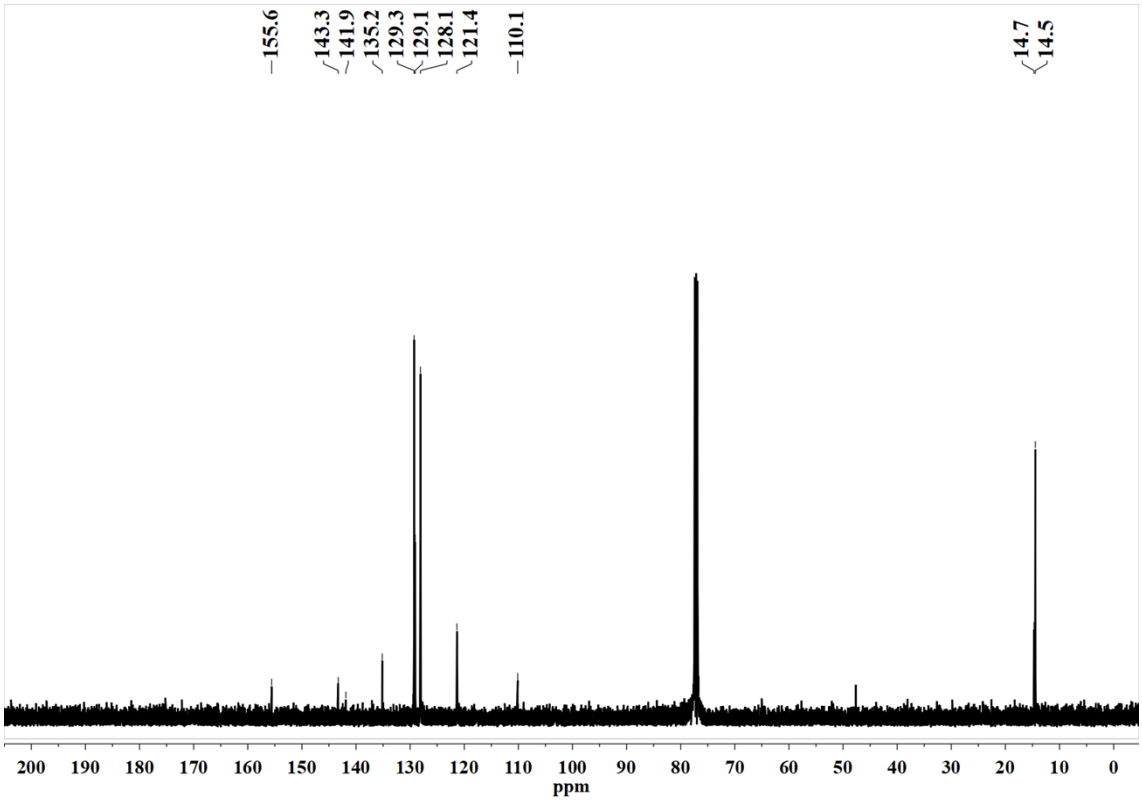

Fig. S3. ^{13}C NMR spectrum of compound **8** in $CDCl_3$

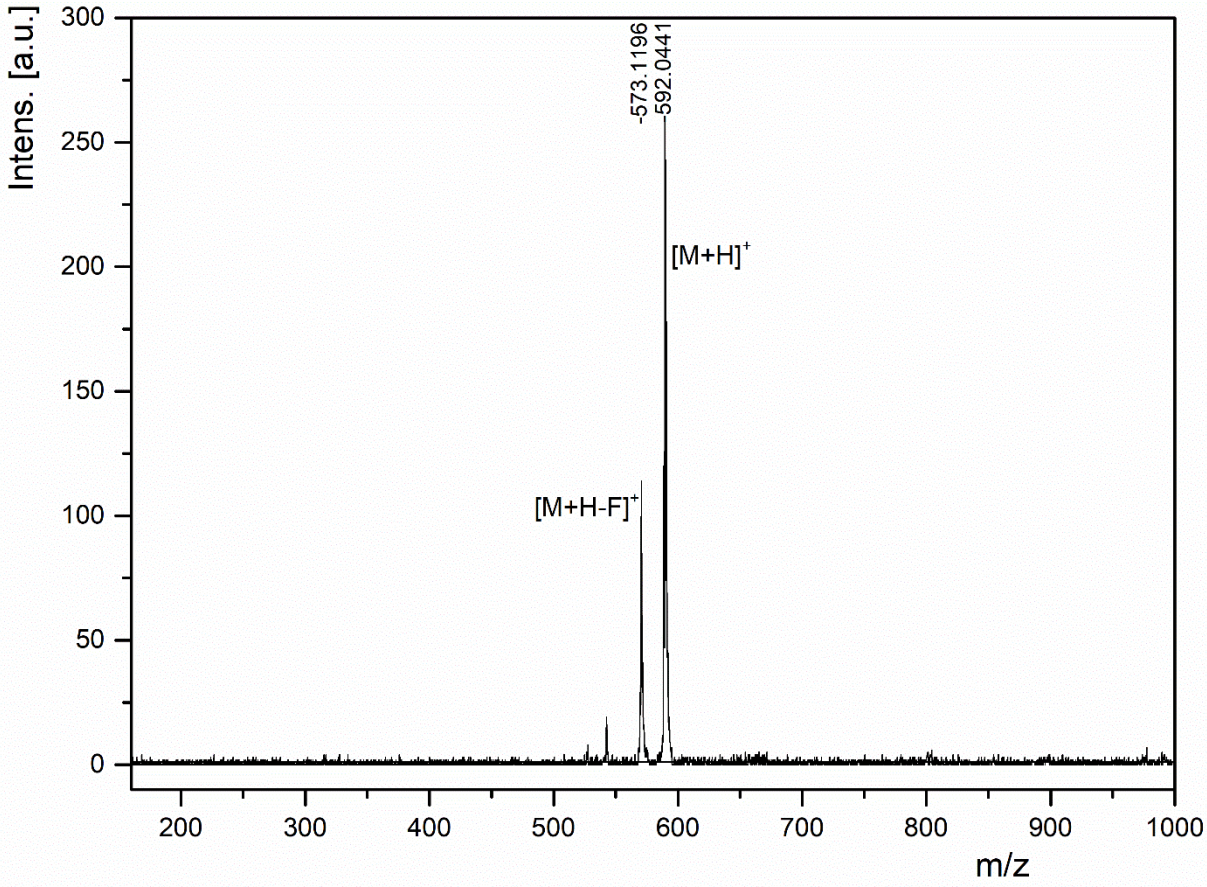

Fig. S4 MALDI-MS spectrum of compound **9**

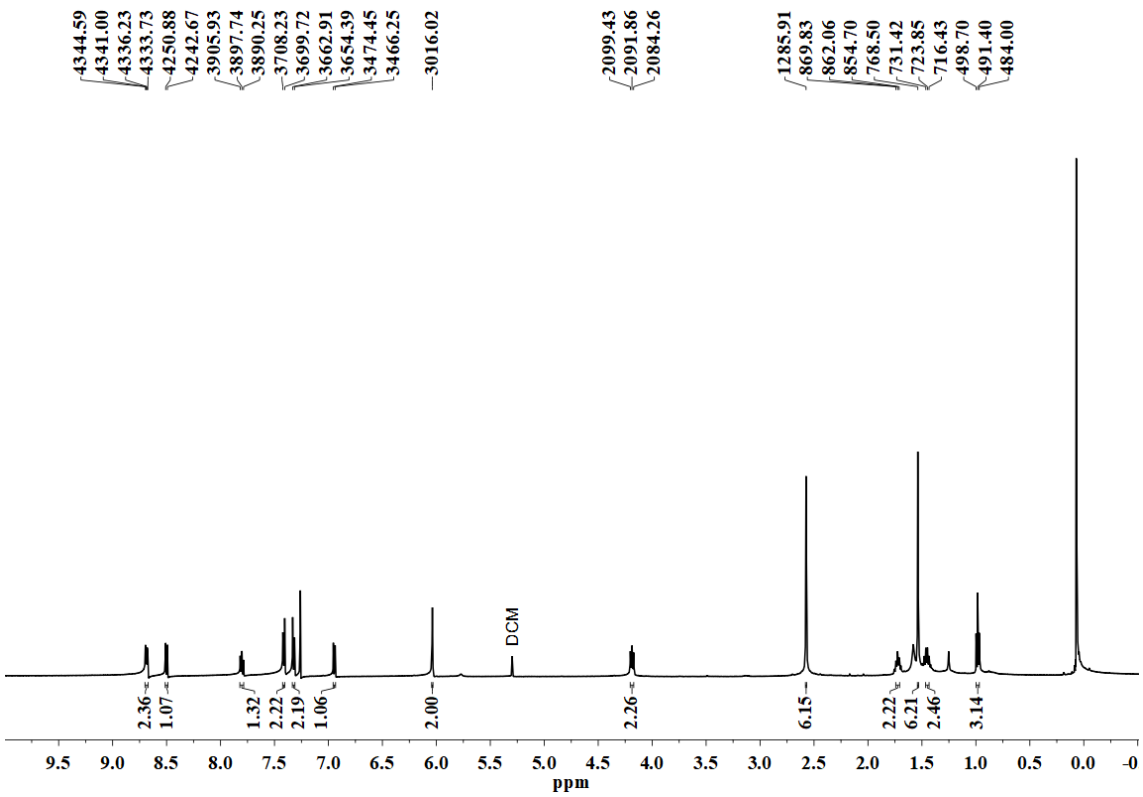

Fig. S5 ^{1}H NMR spectrum of compound **9** in $CDCl_3$

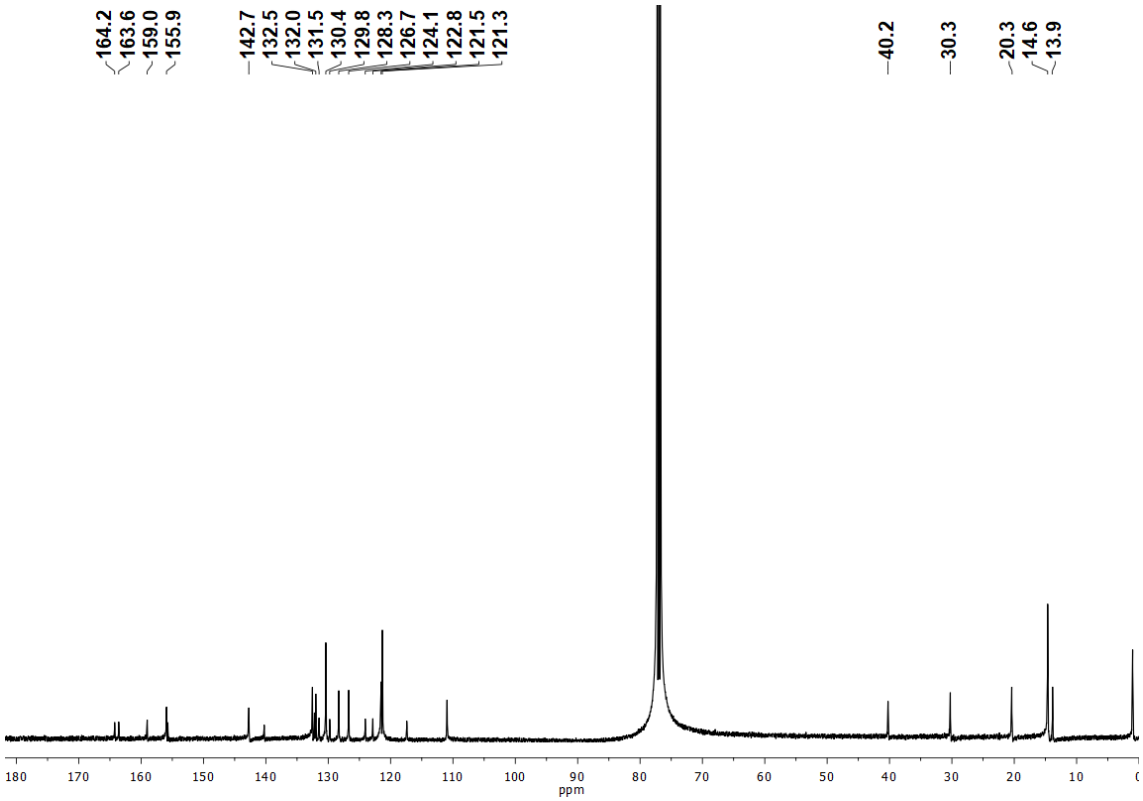

Fig. S6 ^{13}C NMR spectrum of compound **9** in $CDCl_3$

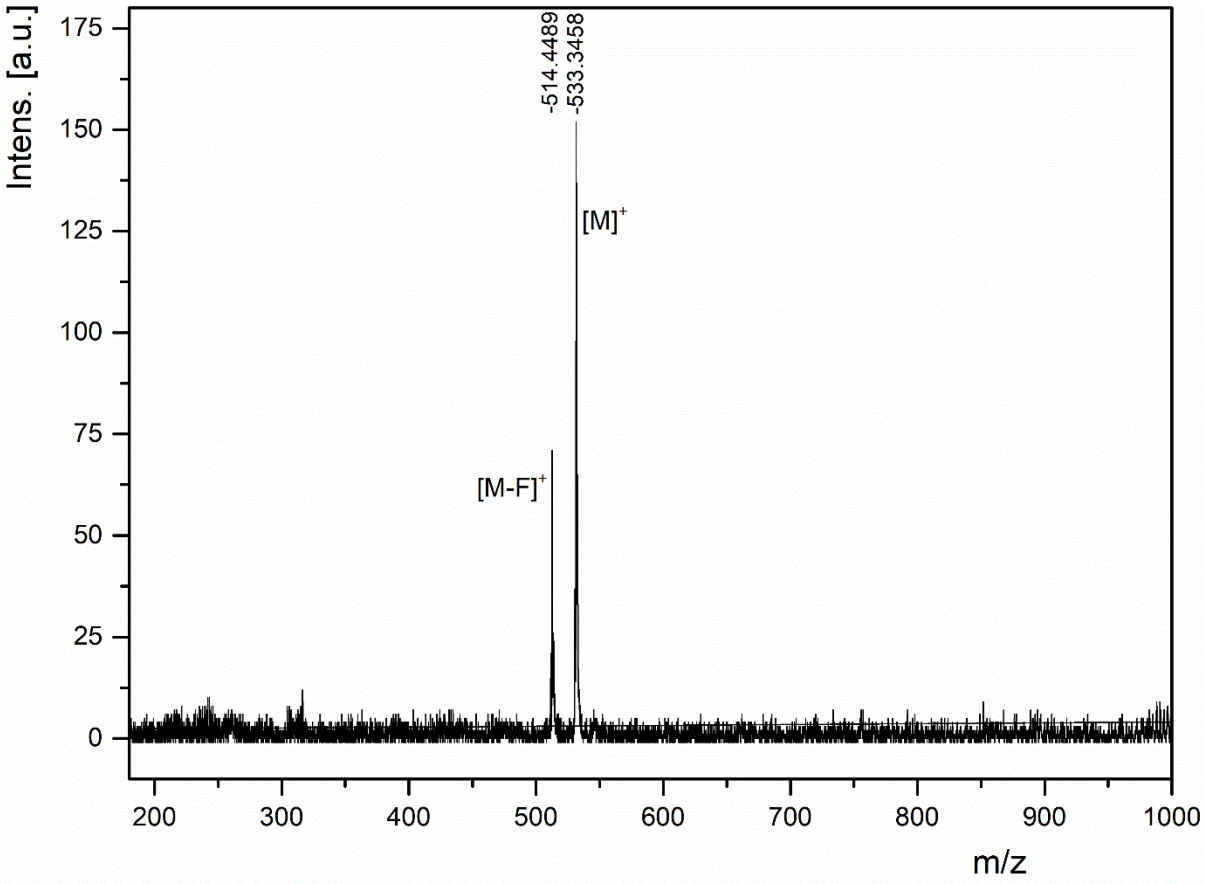

Fig. S7 MALDI-MS spectrum of compound **10**

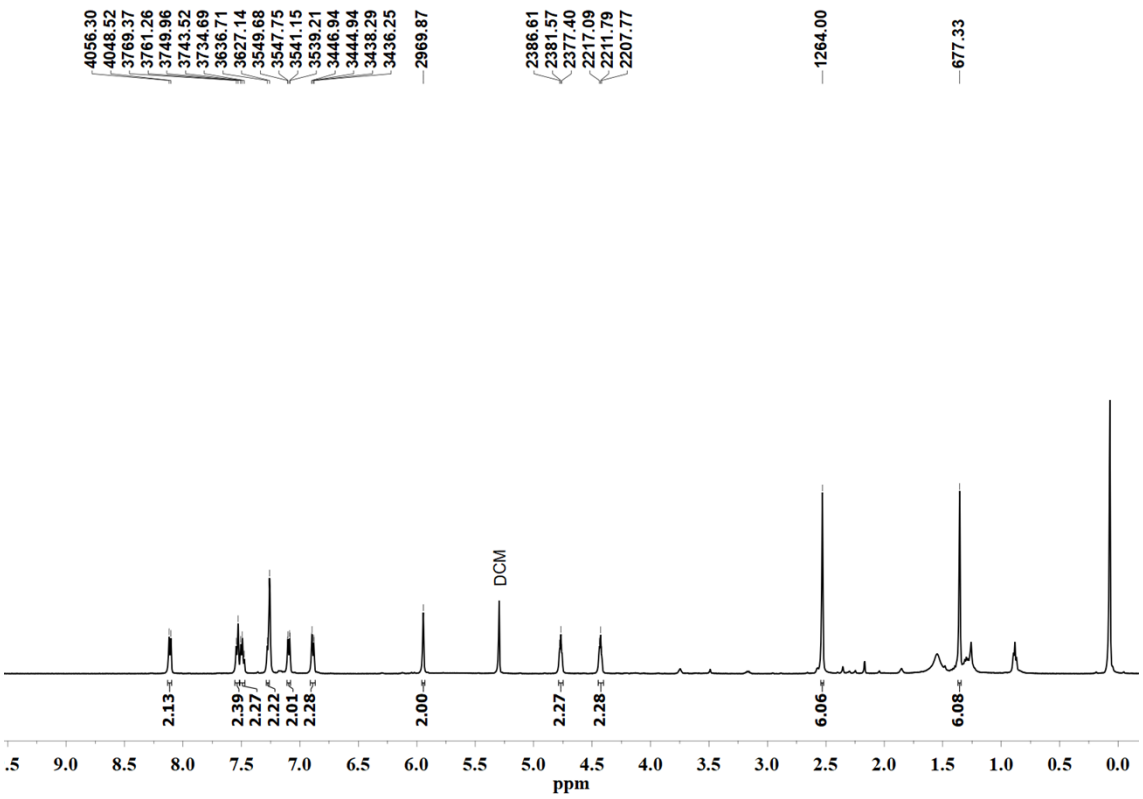

Fig. S8 ^{1}H NMR spectrum of compound **10** in $CDCl_3$

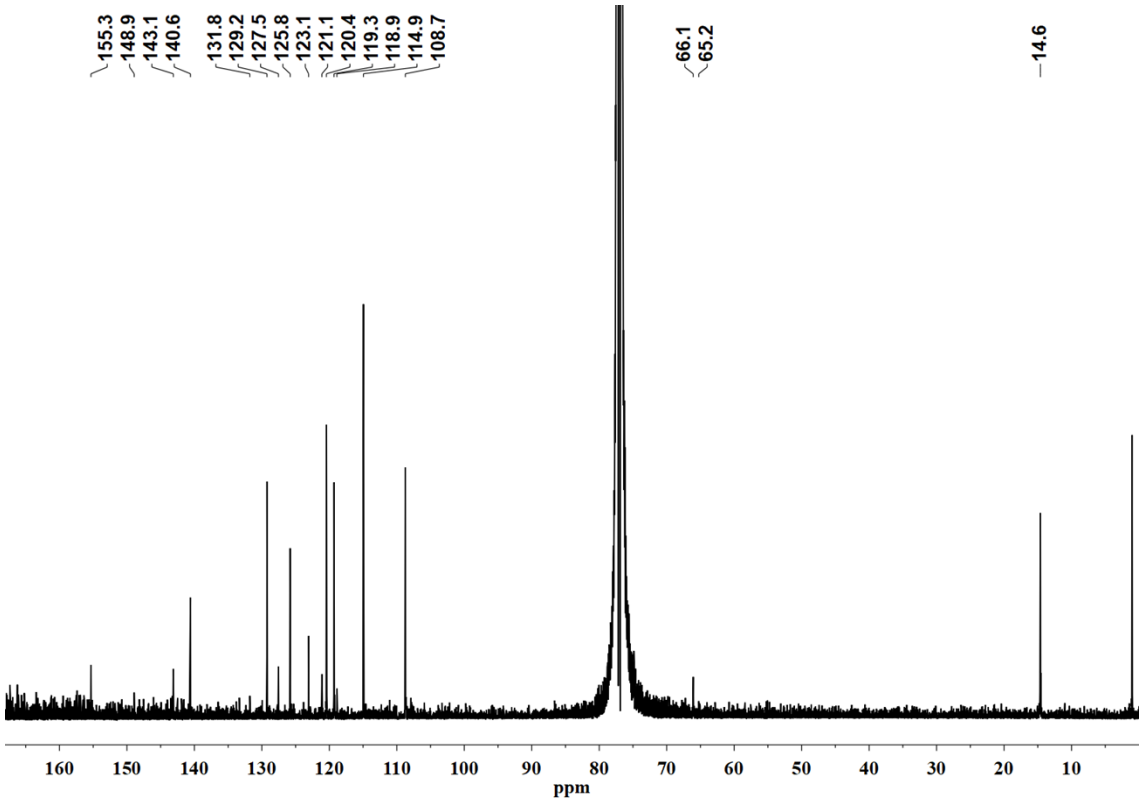

Fig. S9 ^{13}C NMR spectrum of compound **10** in $CDCl_3$

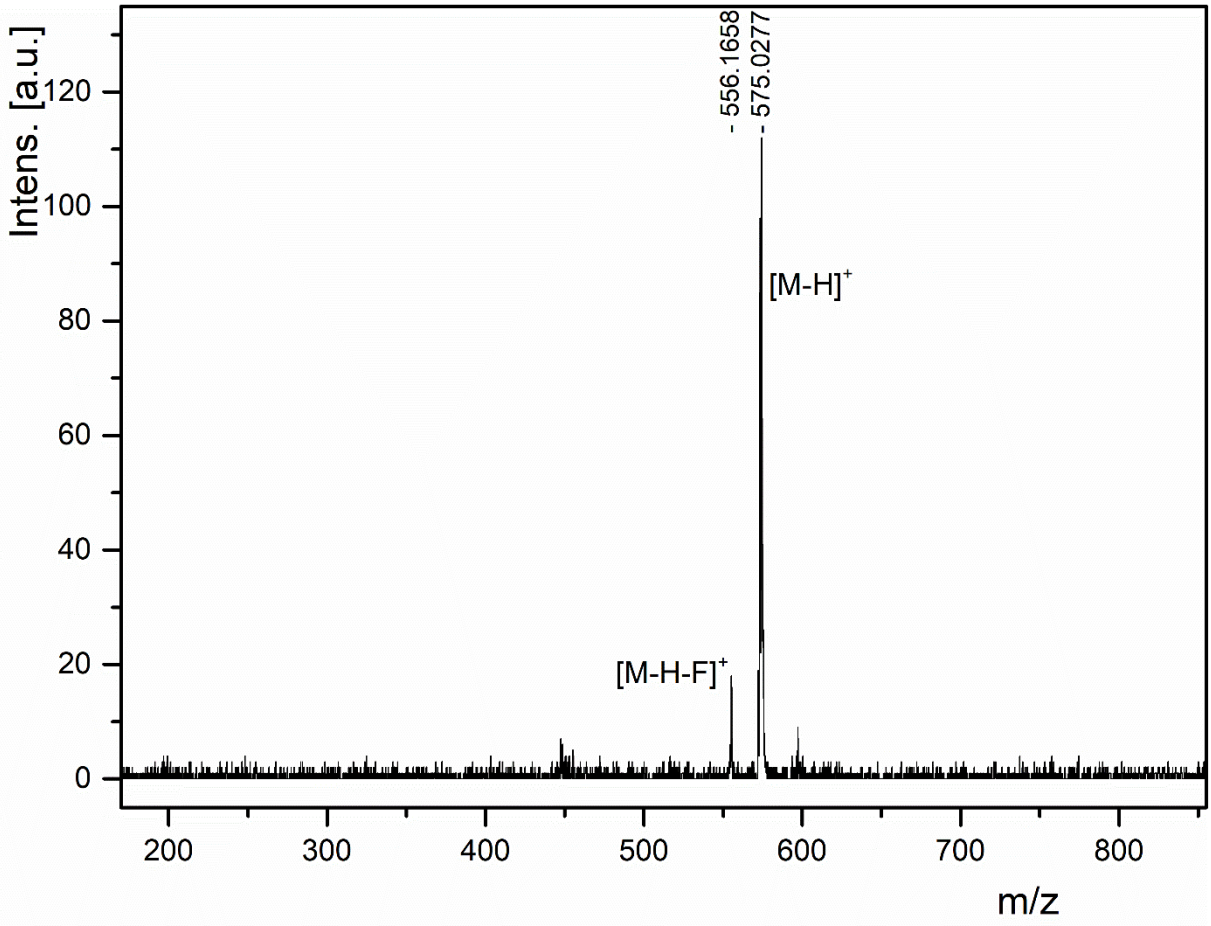

Fig. S10 MALDI-MS spectrum of compound **11**

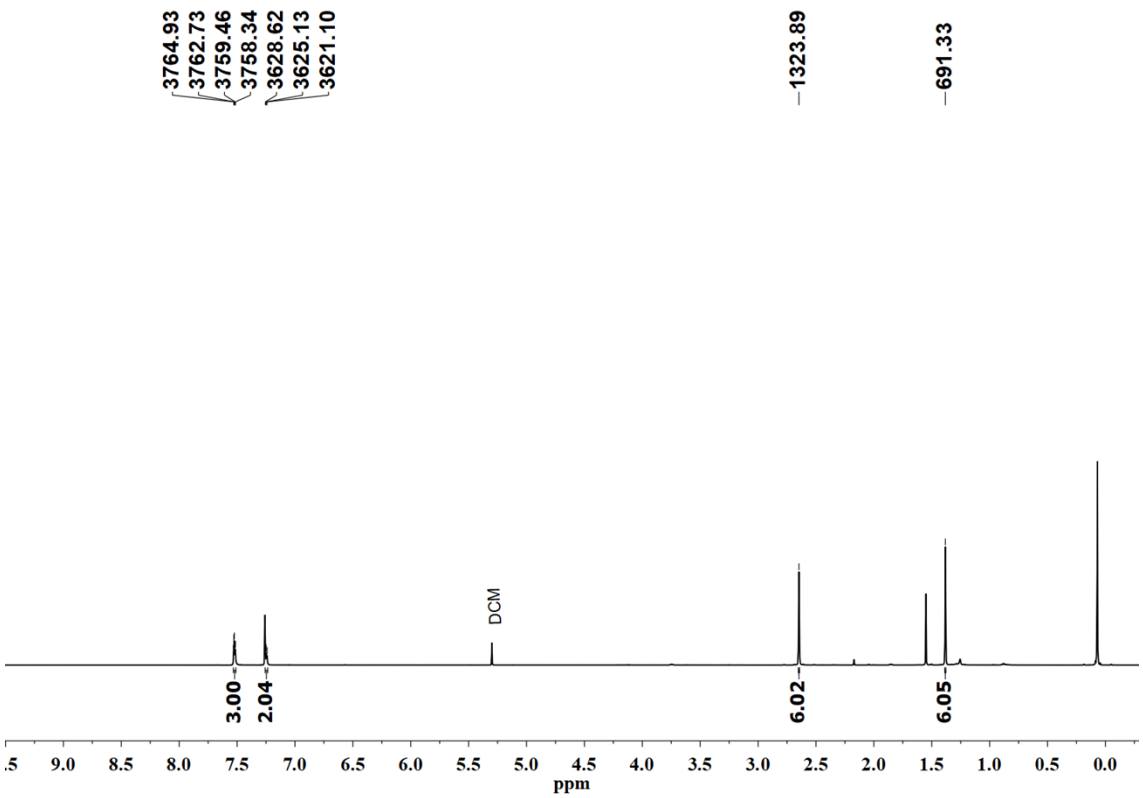

Fig. S11 ^{1}H NMR spectrum of compound **11** in $CDCl_3$

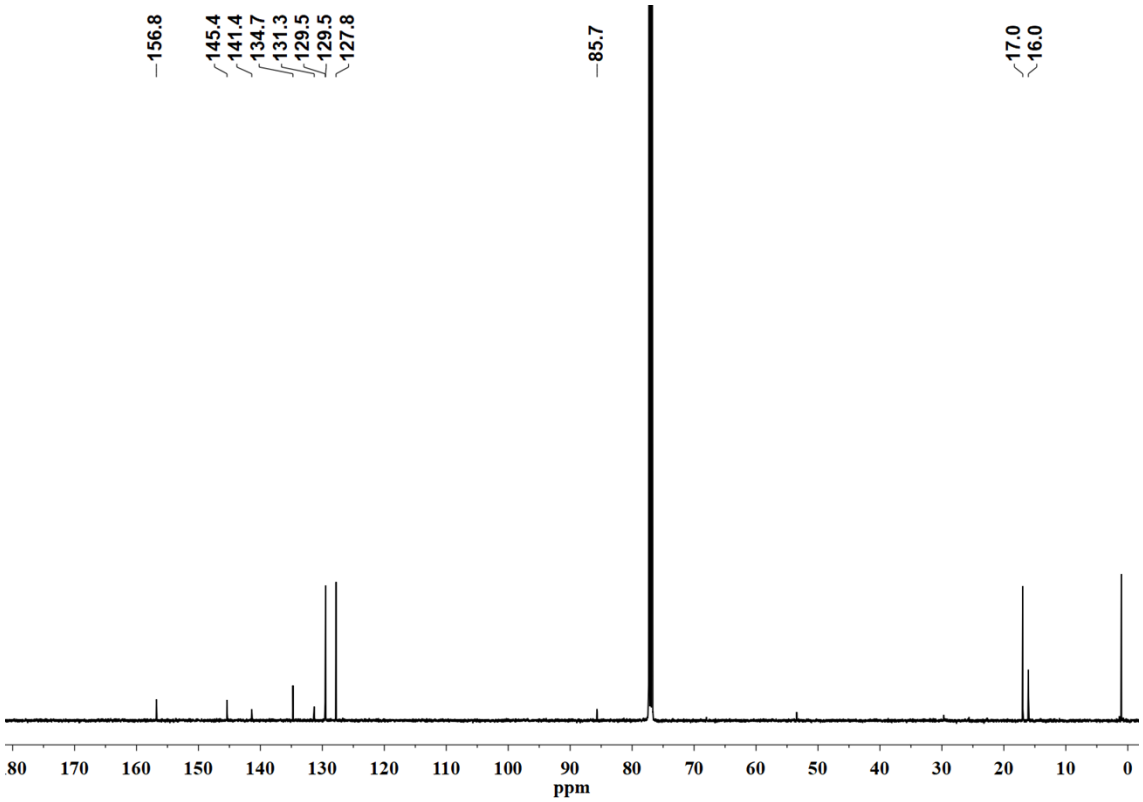

Fig. S12 ^{13}C NMR spectrum of compound **11** in $CDCl_3$

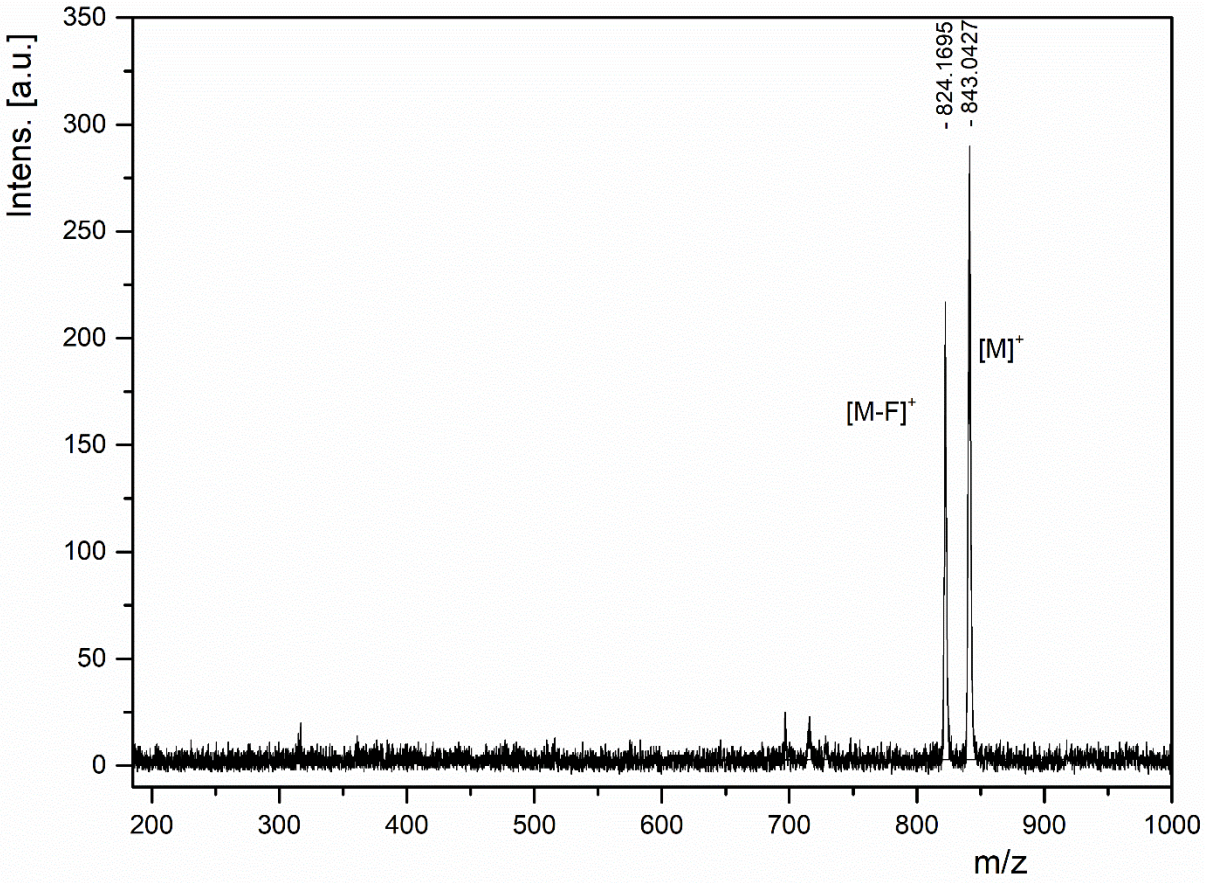

Fig. S13 MALDI-MS spectrum of compound **12**

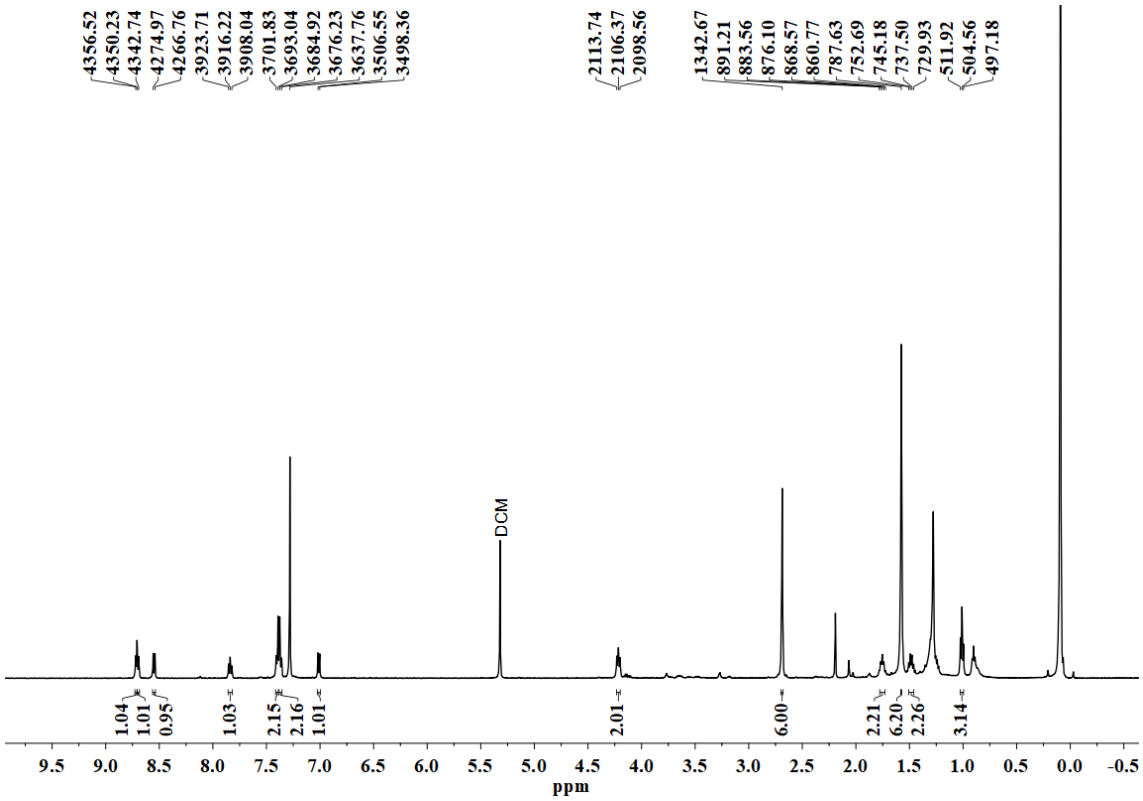

Fig. S14 ^{1}H NMR spectrum of compound **12** in $CDCl_3$

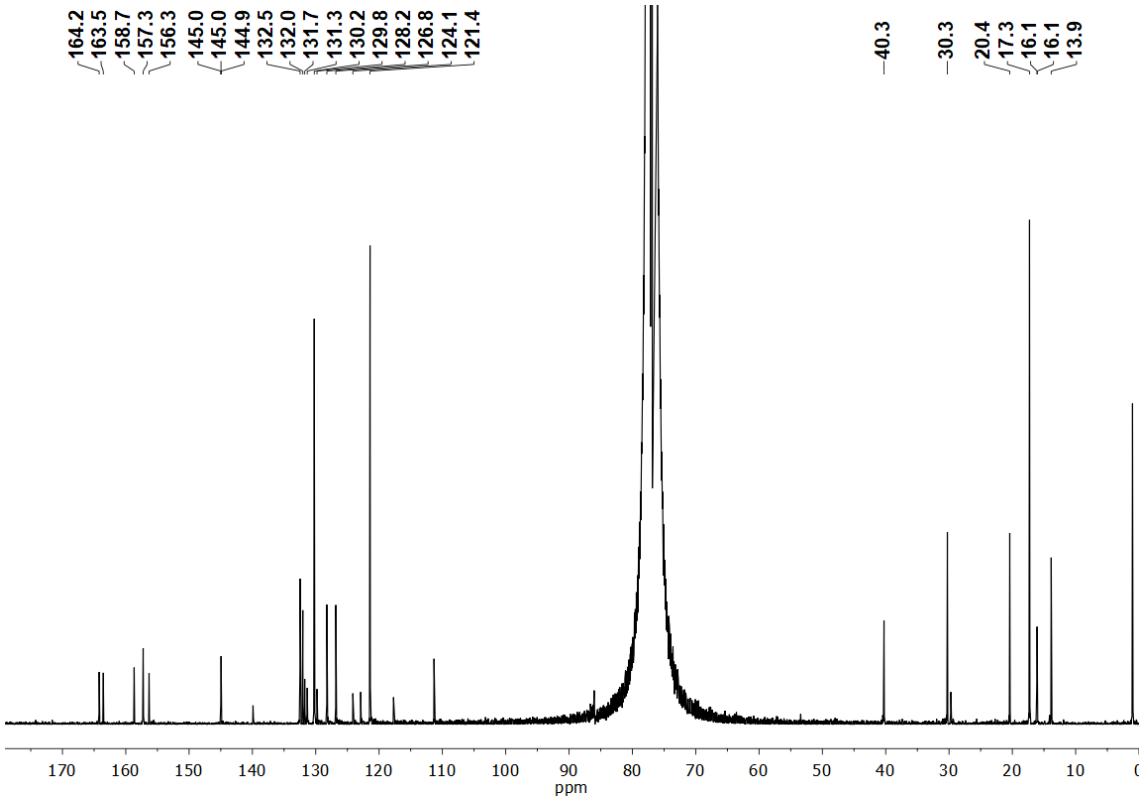

Fig. S15 ^{13}C NMR spectrum of compound **12** in $CDCl_3$

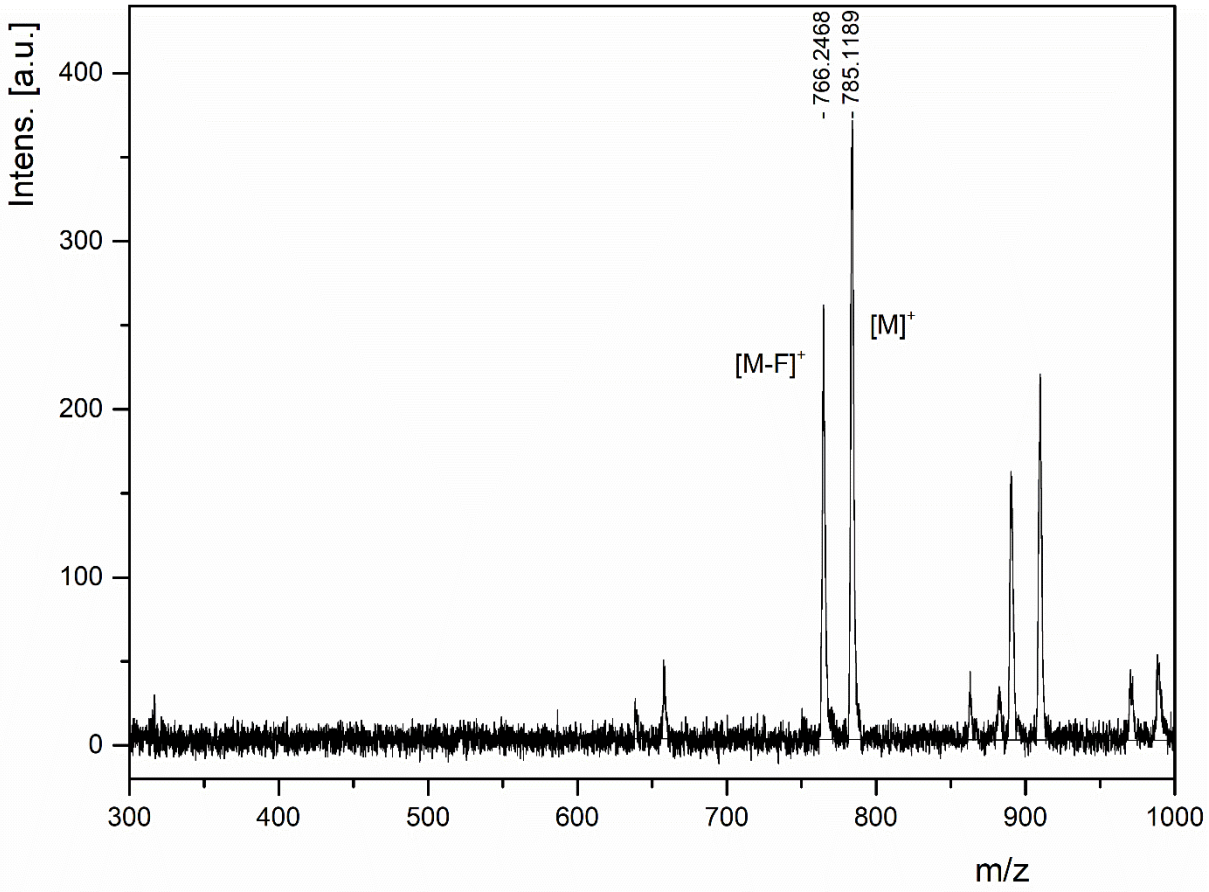

Fig. S16 MALDI-MS spectrum of compound **13**

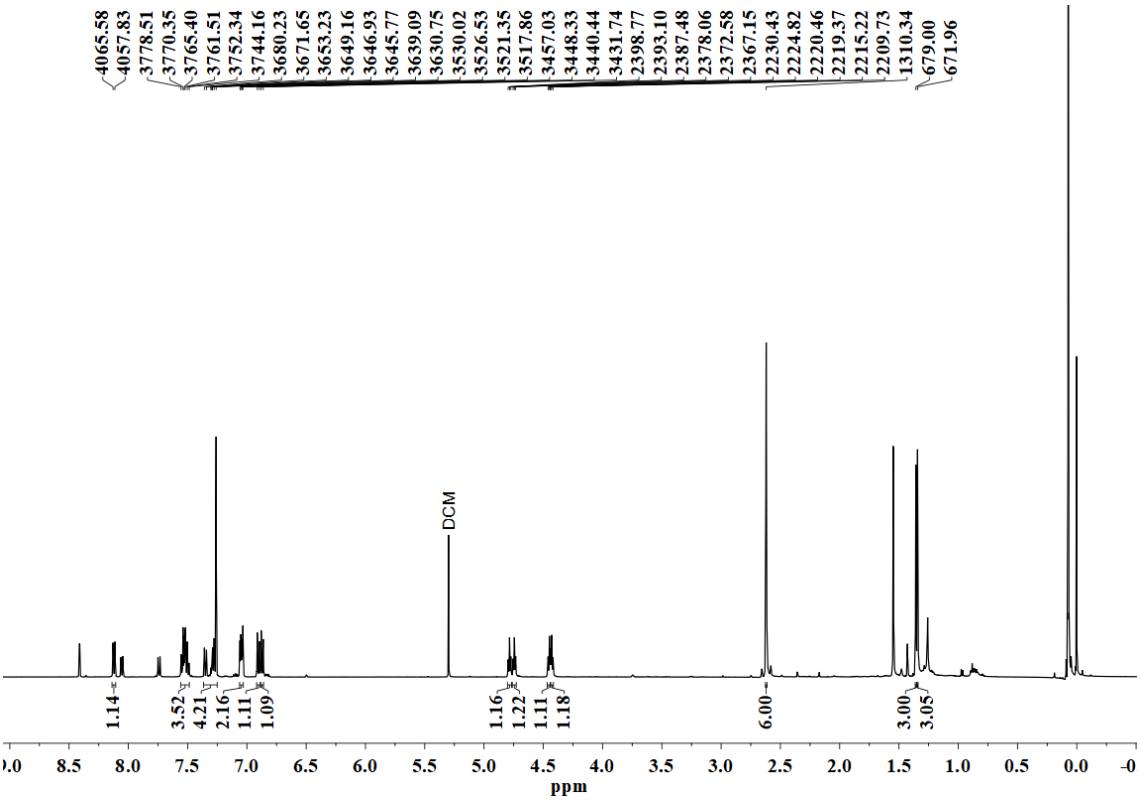

Fig. S17 ^{1}H NMR spectrum of compound **13** in $CDCl_3$

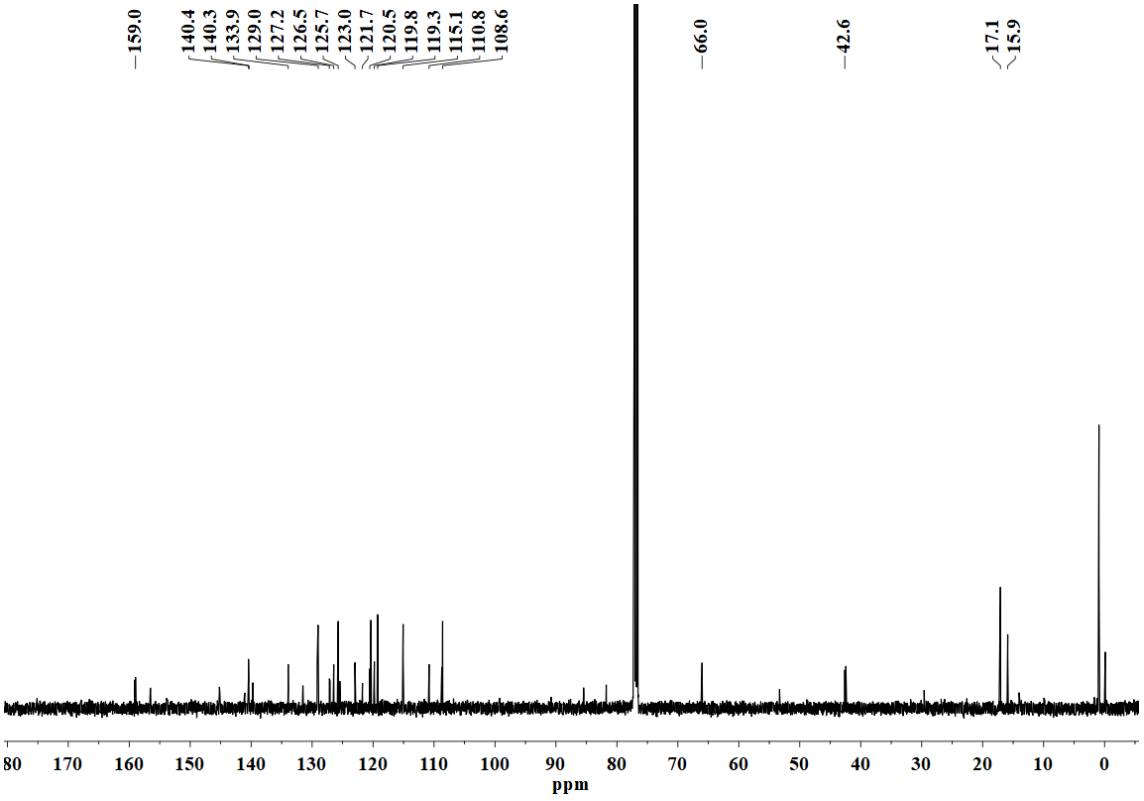

Fig. S18 ^{13}C NMR spectrum of compound **13** in $CDCl_3$

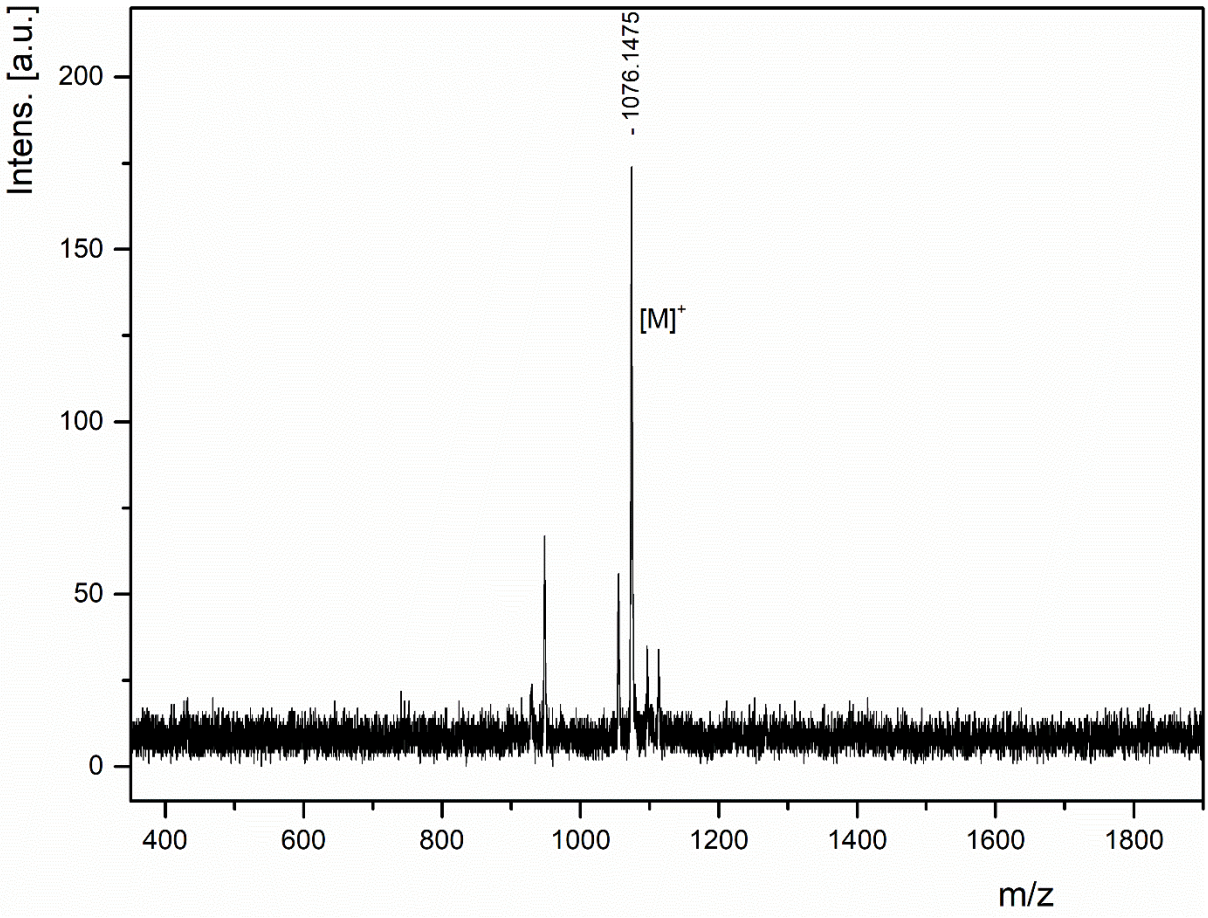

Fig. S19 MALDI-MS spectrum of compound **14**

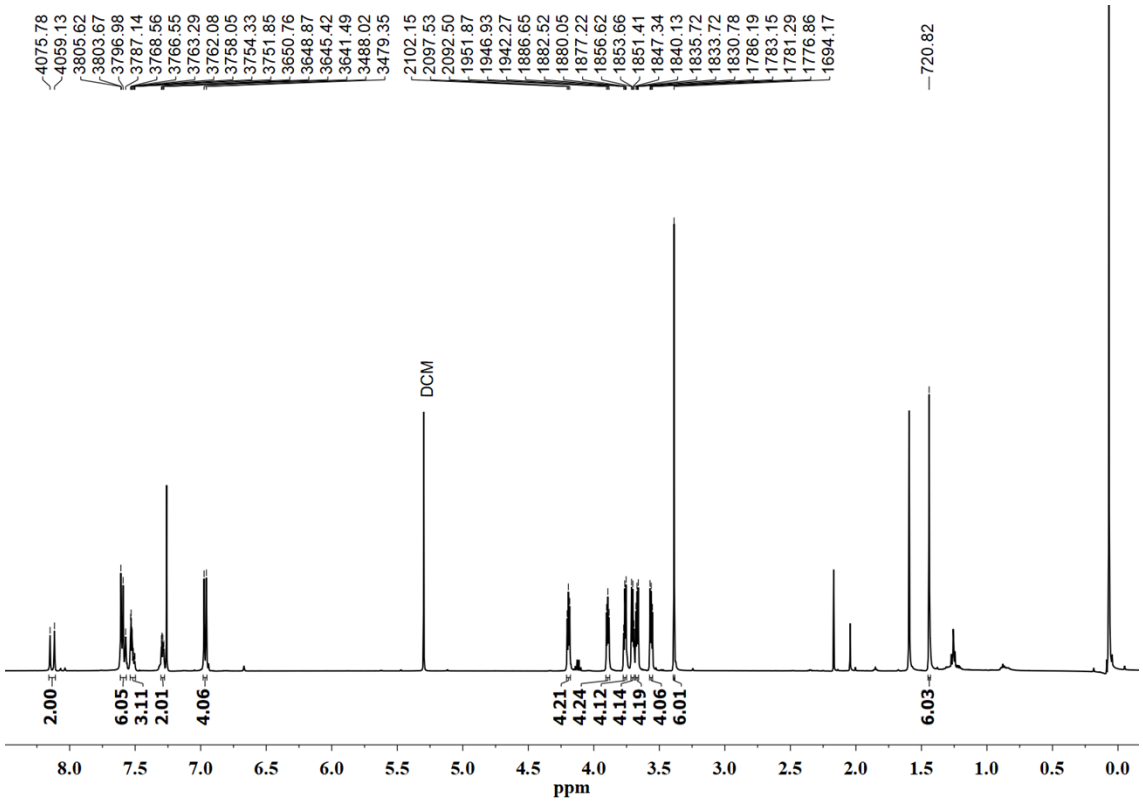

Fig. S20 ^{1}H NMR spectrum of compound **14** in $CDCl_3$

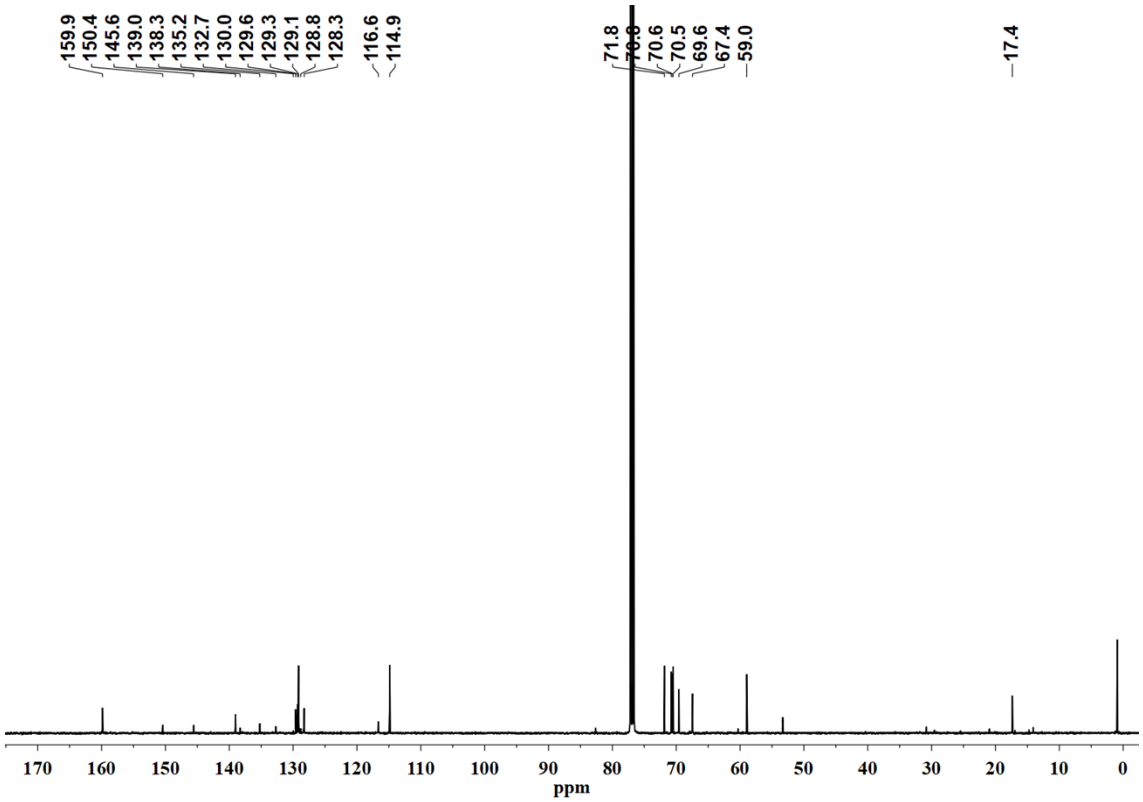

Fig. S21 ^{13}C NMR spectrum of compound **14** in $CDCl_3$

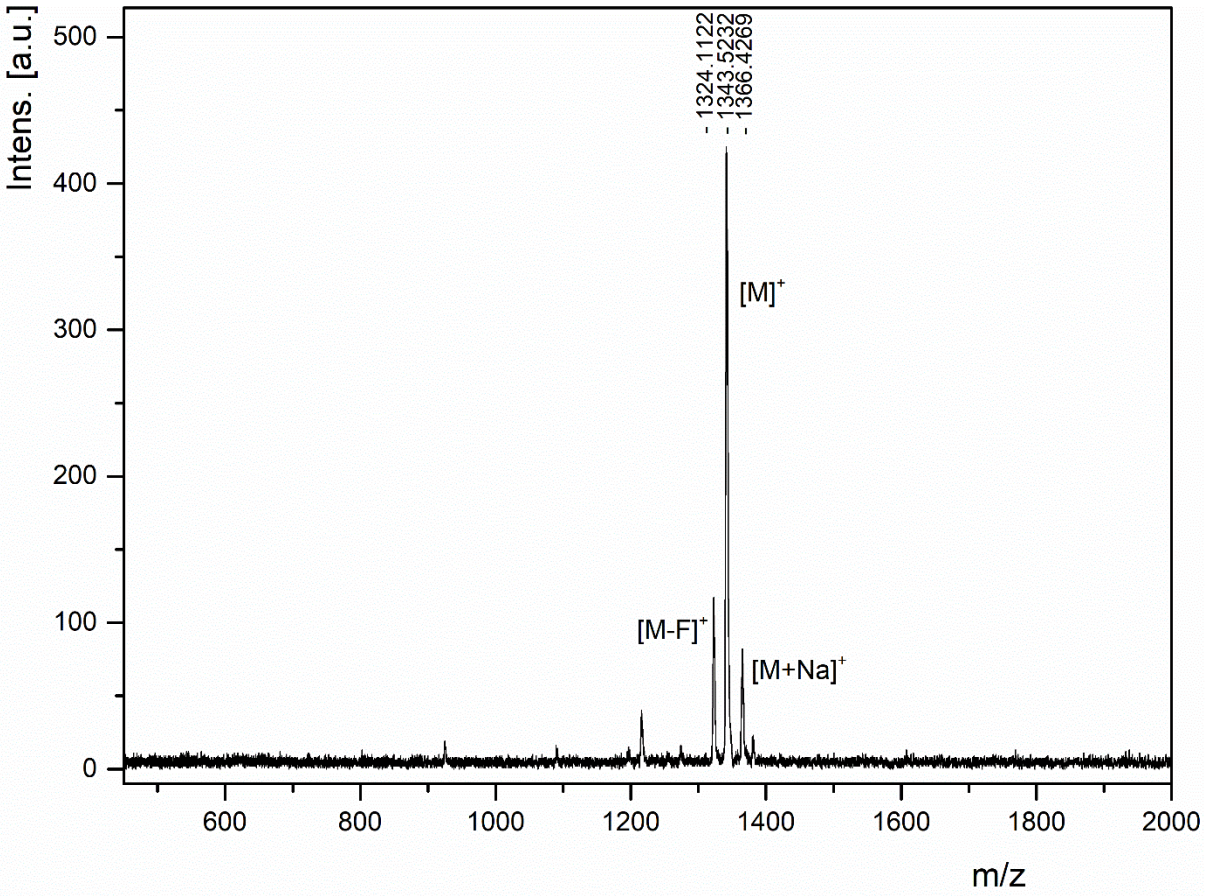

Fig. S22 MALDI-MS spectrum of compound **15**

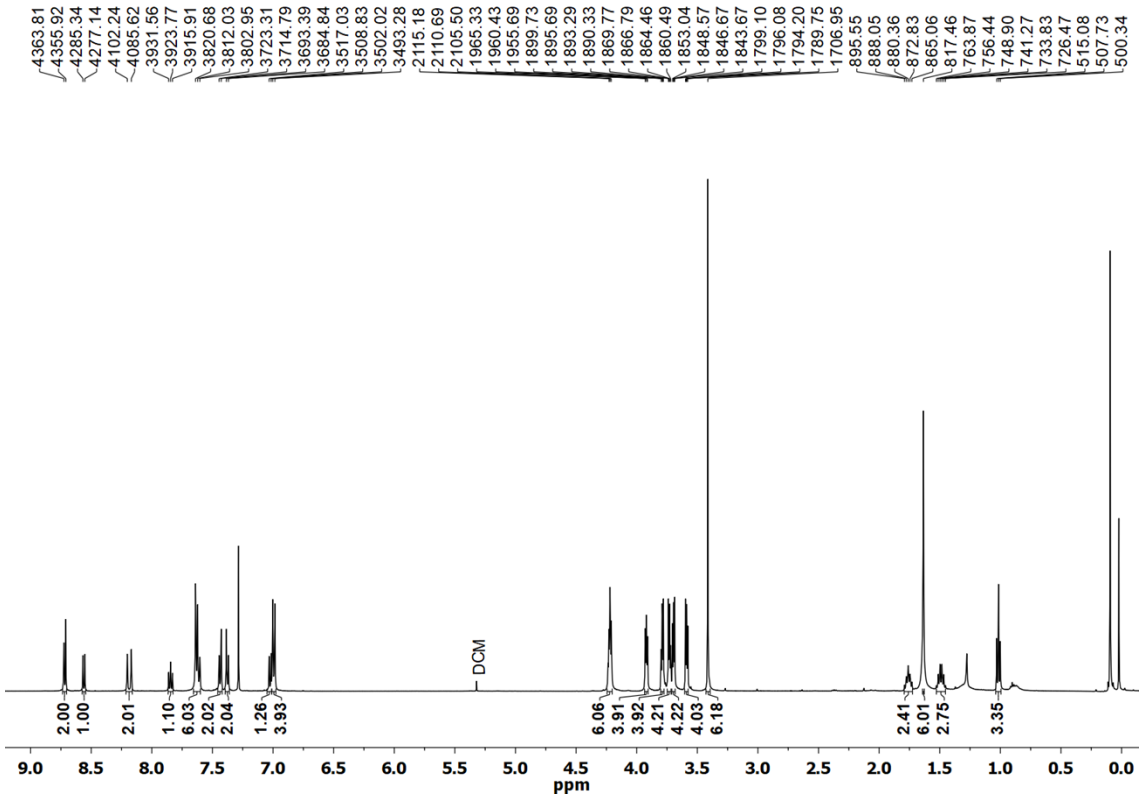

Fig. S23 ^{1}H NMR spectrum of compound **15** in $CDCl_3$

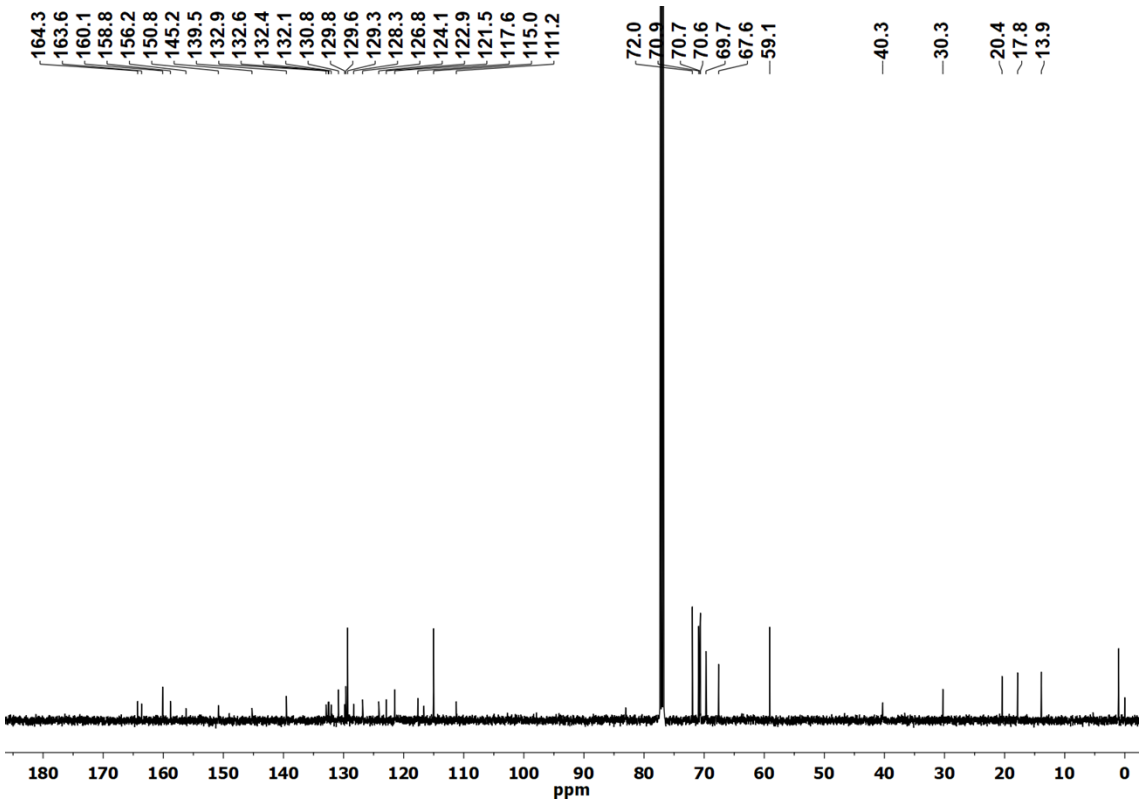

Fig. S24 ^{13}C NMR spectrum of compound **15** in $CDCl_3$

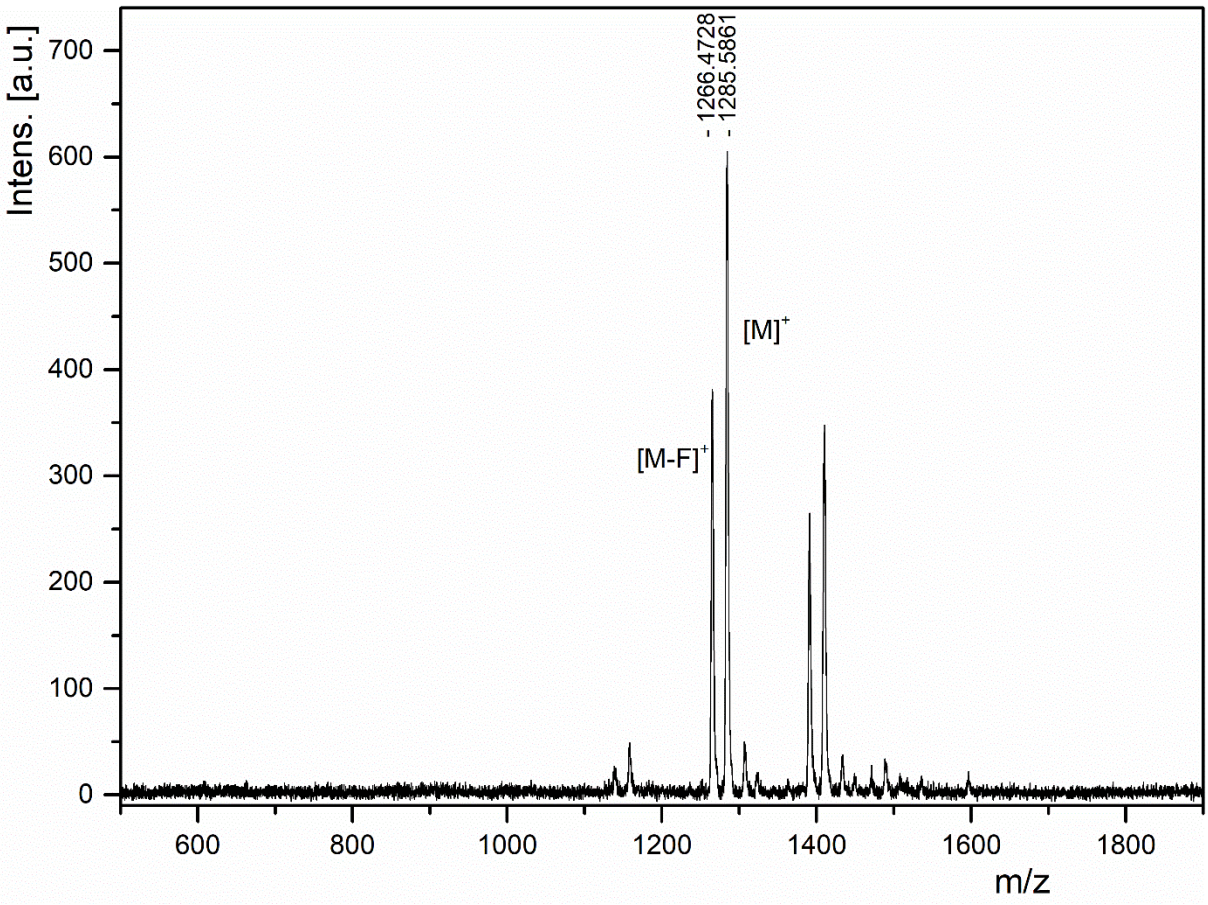

Fig. S25 MALDI-MS spectrum of compound **16**

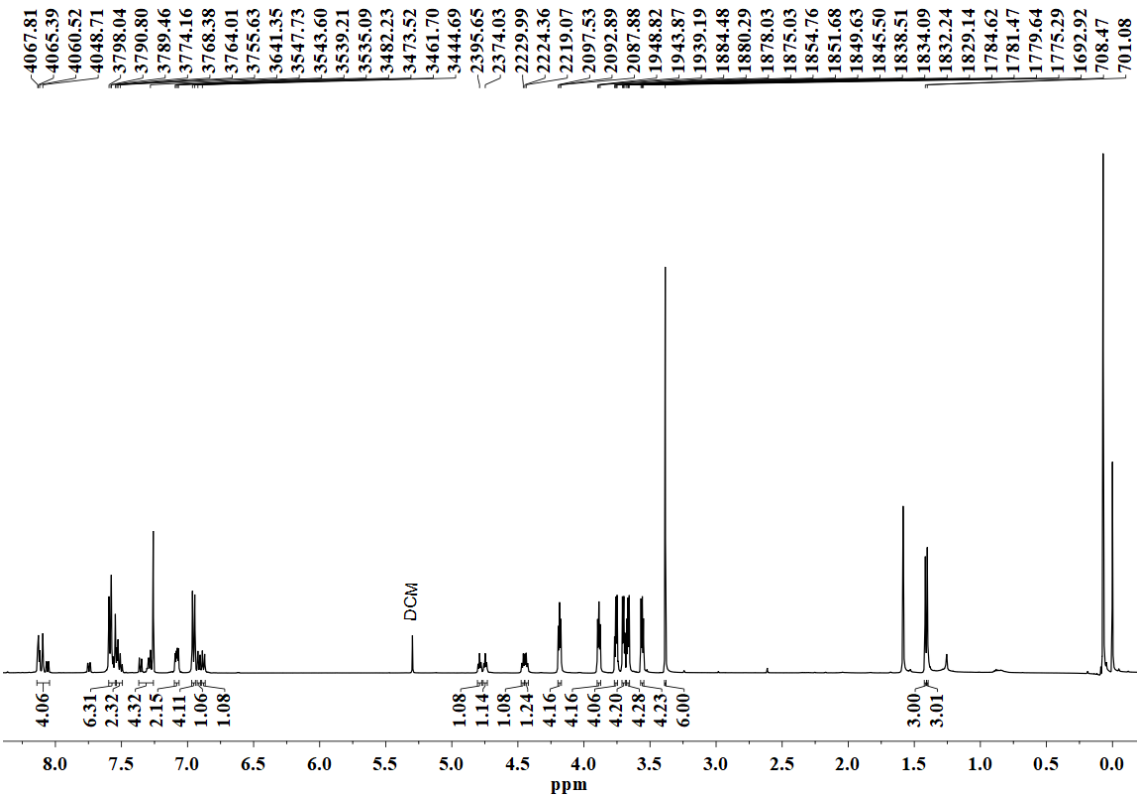

Fig. S26 ^{1}H NMR spectrum of compound **16** in $CDCl_3$

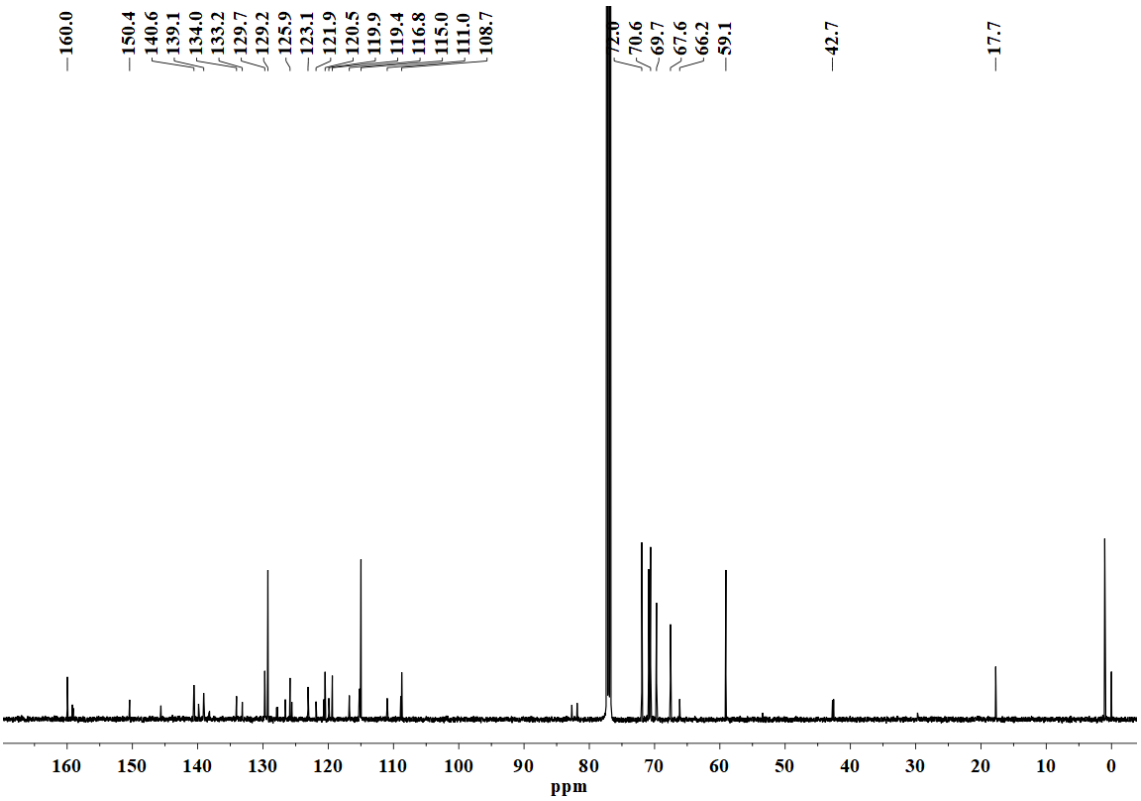

Fig. S27 ^{13}C NMR spectrum of compound **16** in $CDCl_3$

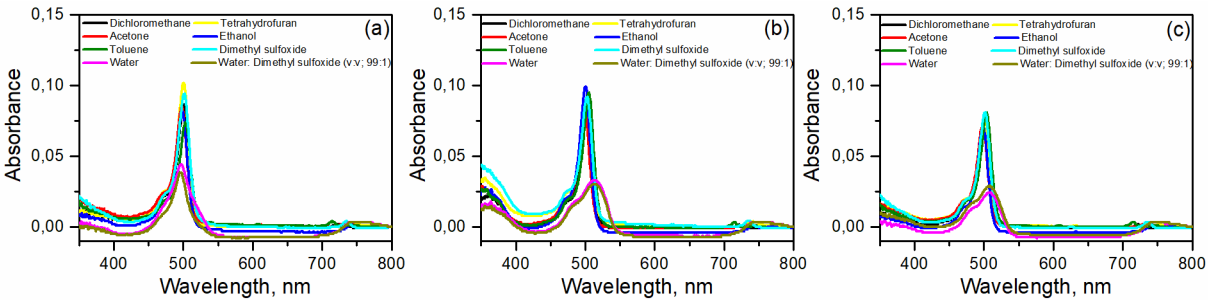

Fig. S28 Absorbance spectra of compounds (**a**) **8**, (**b**) **9** and (**c**) **10** in different solvents (1 μM)

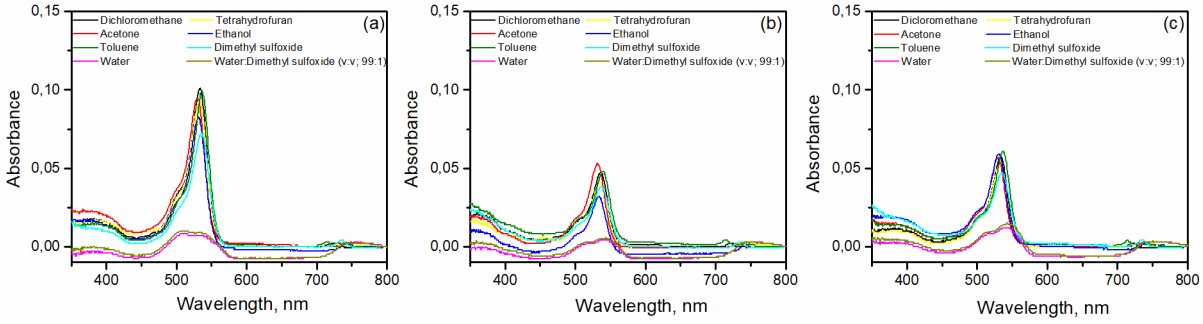

Fig. S29 Absorbance spectra of compounds (**a**) **11**, (**b**) **12** and (**c**) **13** in different solvents (1 μM)

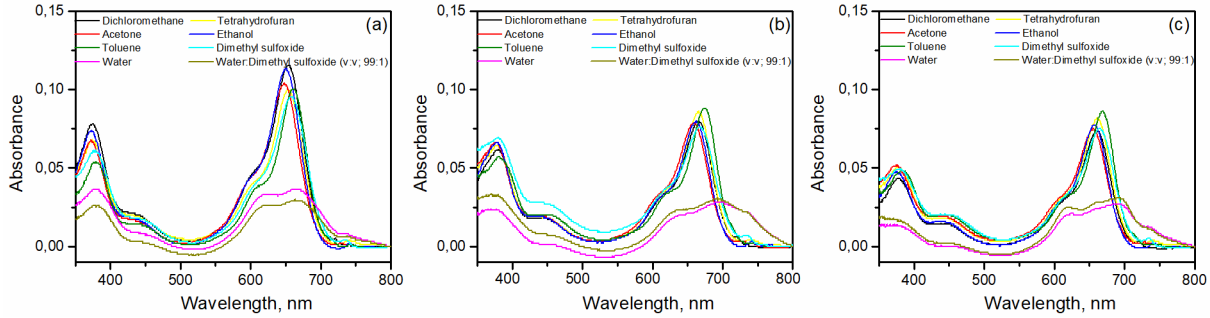

Fig. S30 Absorbance spectra of compounds (**a**) **14**, (**b**) **15** and (**c**) **16** in different solvents (1 μM)

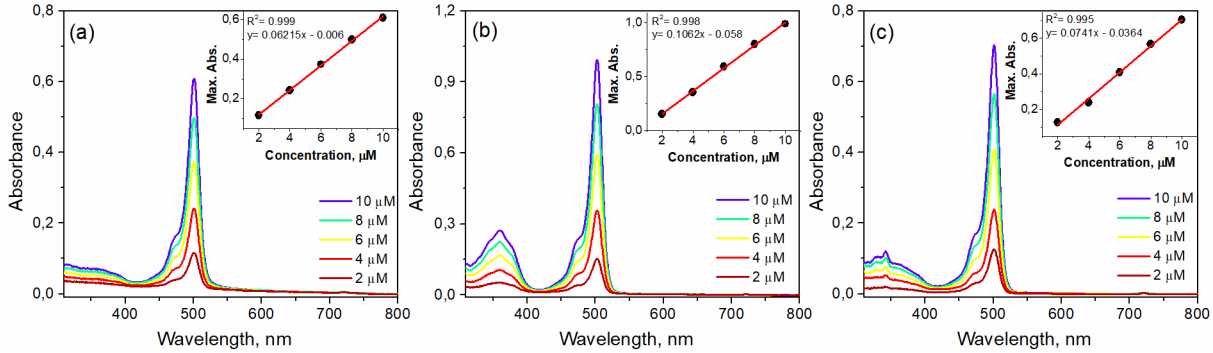

Fig. S31 Absorption spectra of compounds (**a**) **8**, (**b**) **9** and (**c**) **10** in DCM at different concentrations

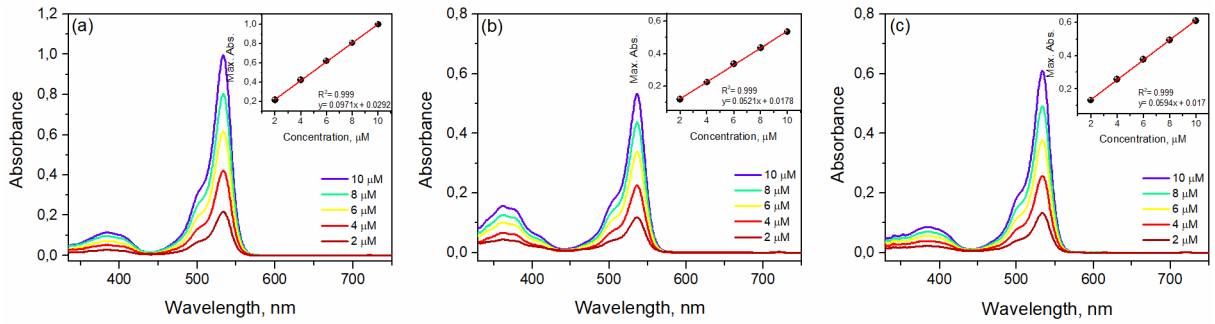

Fig. S32 Absorption spectra of compounds (**a**) **11**, (**b**) **12** and (**c**) **13** in DCM at different concentrations

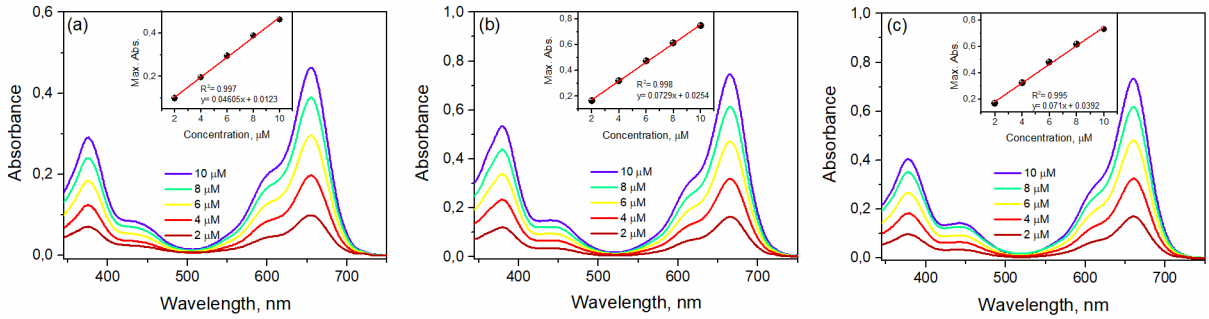

Fig. S33 Absorption spectra of compounds (**a**) **14**, (**b**) **15** and (**c**) **16** in DCM at different concentrations

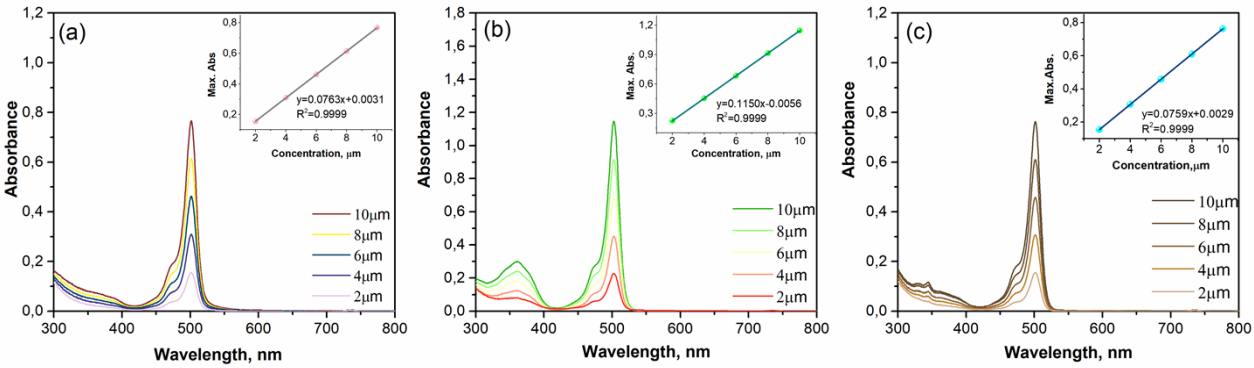

Fig. S34 Absorption spectra of compounds (**a**) **8**, (**b**) **9** and (**c**) **10** in DMSO at different concentrations

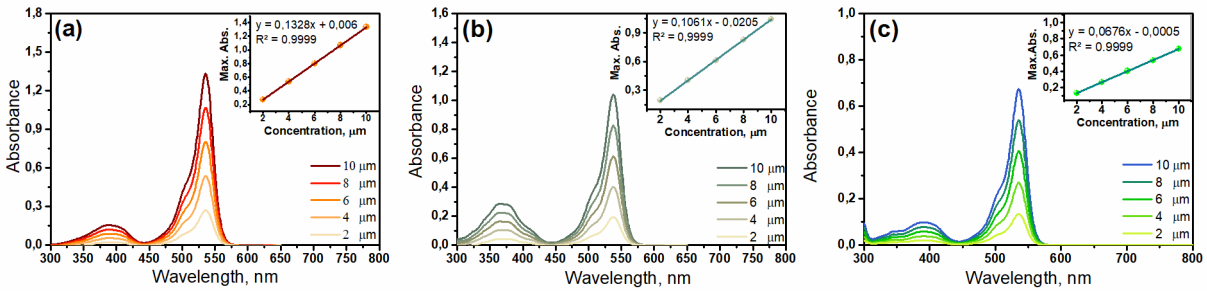

Fig. S35 Absorption spectra of compounds (**a**) **11**, (**b**) **12** and (**c**) **13** in DMSO at different

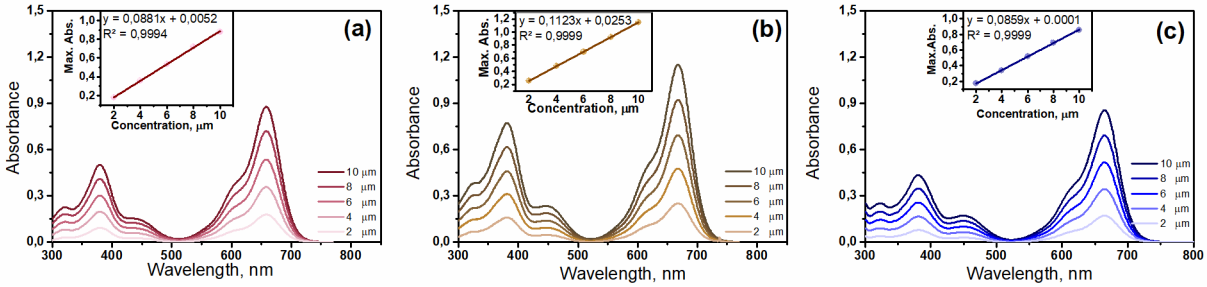

Fig. S36 Absorption spectra of compounds (**a**) **14**, (**b**) **15** and (**c**) **16** in DMSO at different concentrations

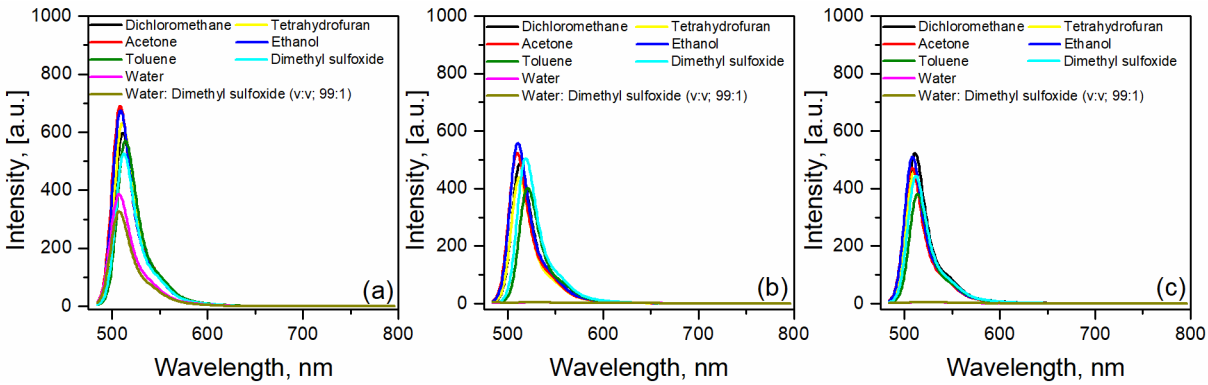

Fig. S37 Fluorescence spectra of compounds (**a**) **8**, (**b**) **9** and (**c**) **10** (0.5 μM, λ_{ex}:470 nm) in different solvents

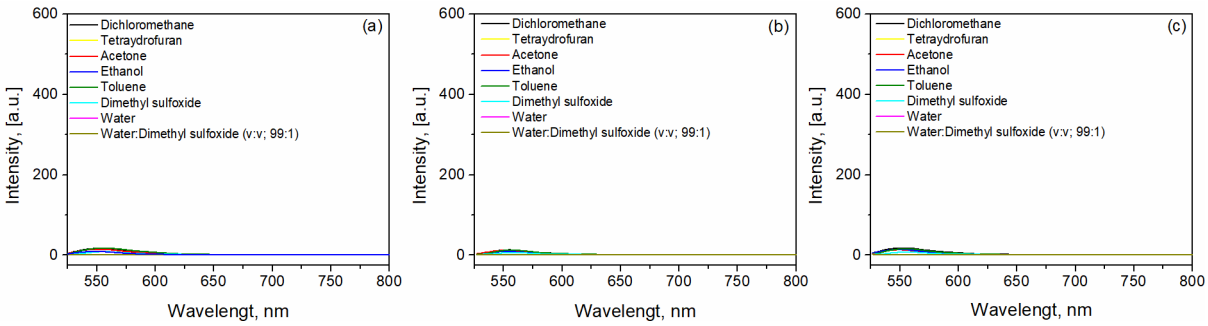

Fig. S38 Fluorescence spectra of compounds (**a**) **11** (λ_{ex}:500 nm), (**b**) **12** (λ_{ex}:510 nm) and (**c**) **13** (λ_{ex}:510 nm), in different solvents (0.5 μM)

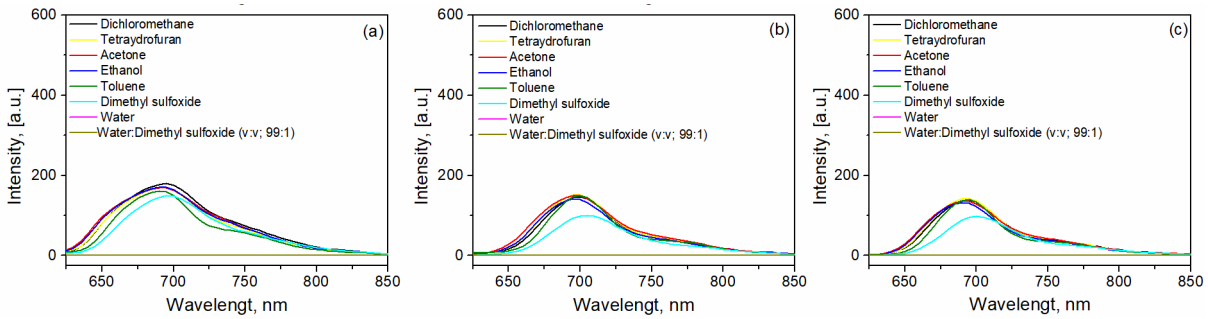

Fig. S39 Fluorescence spectra of compounds (**a**) **14** (λ_{ex}:500 nm), (**b**) **15** (λ_{ex}:510 nm) and (**c**) **16** (λ_{ex}:510 nm), in different solvents (0.5 μM)

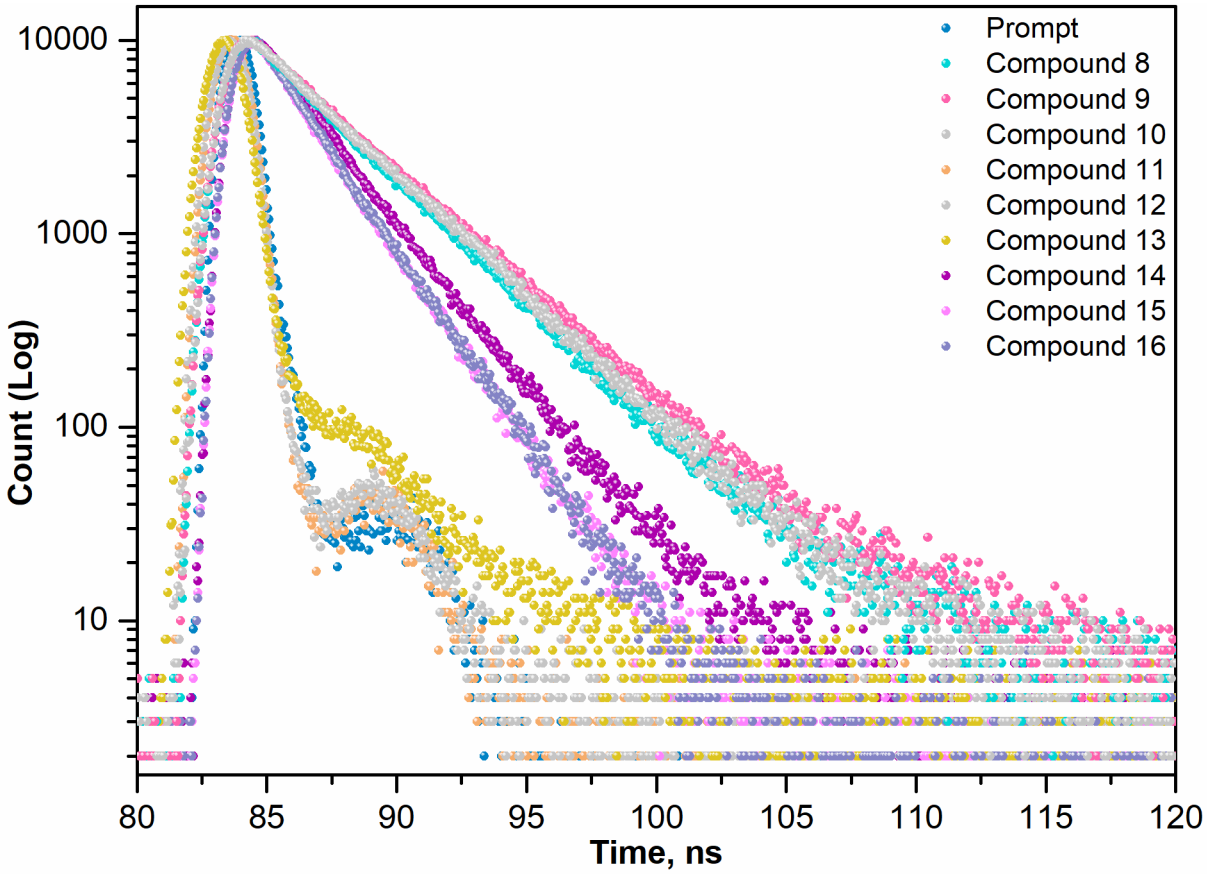

Fig. S40 Fluorescence decay profiles of compounds **11-16** in DCM

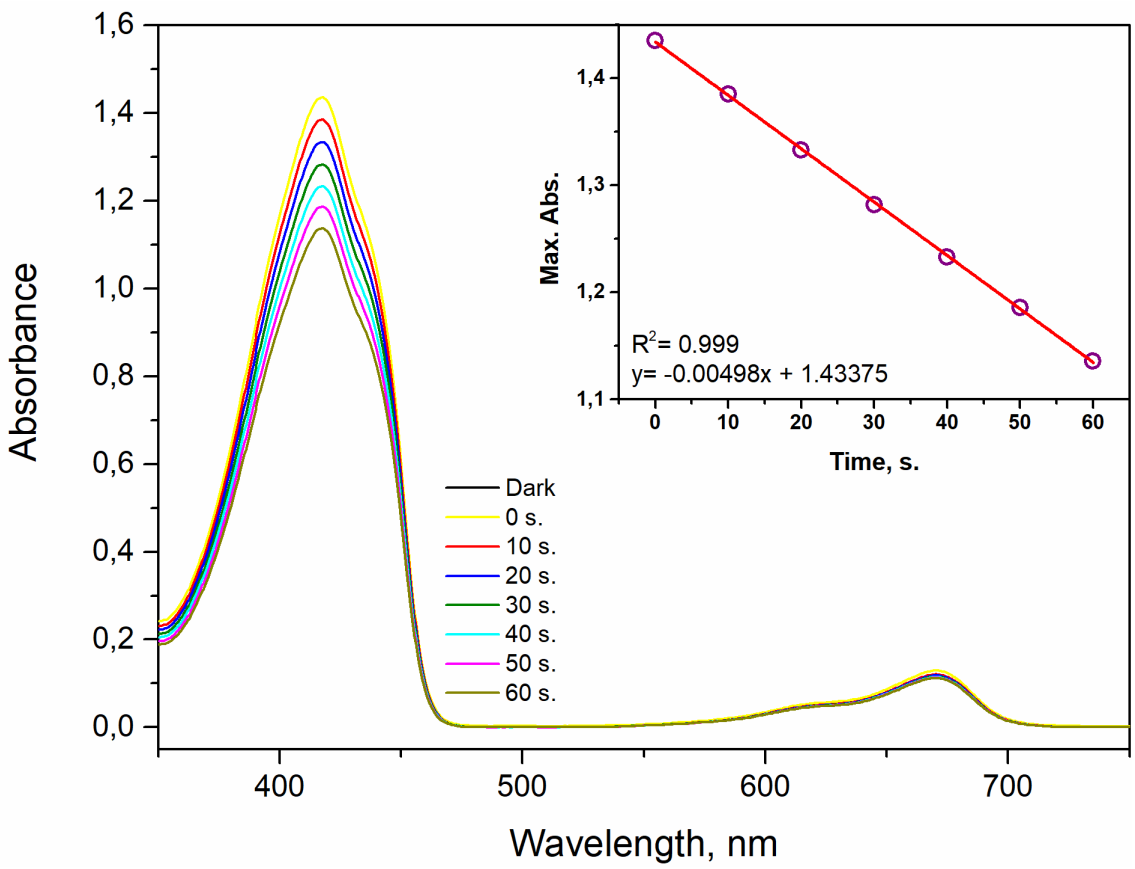

Fig. S41 Decrease in absorbance spectra of DPBF in the presence of MB in DMSO

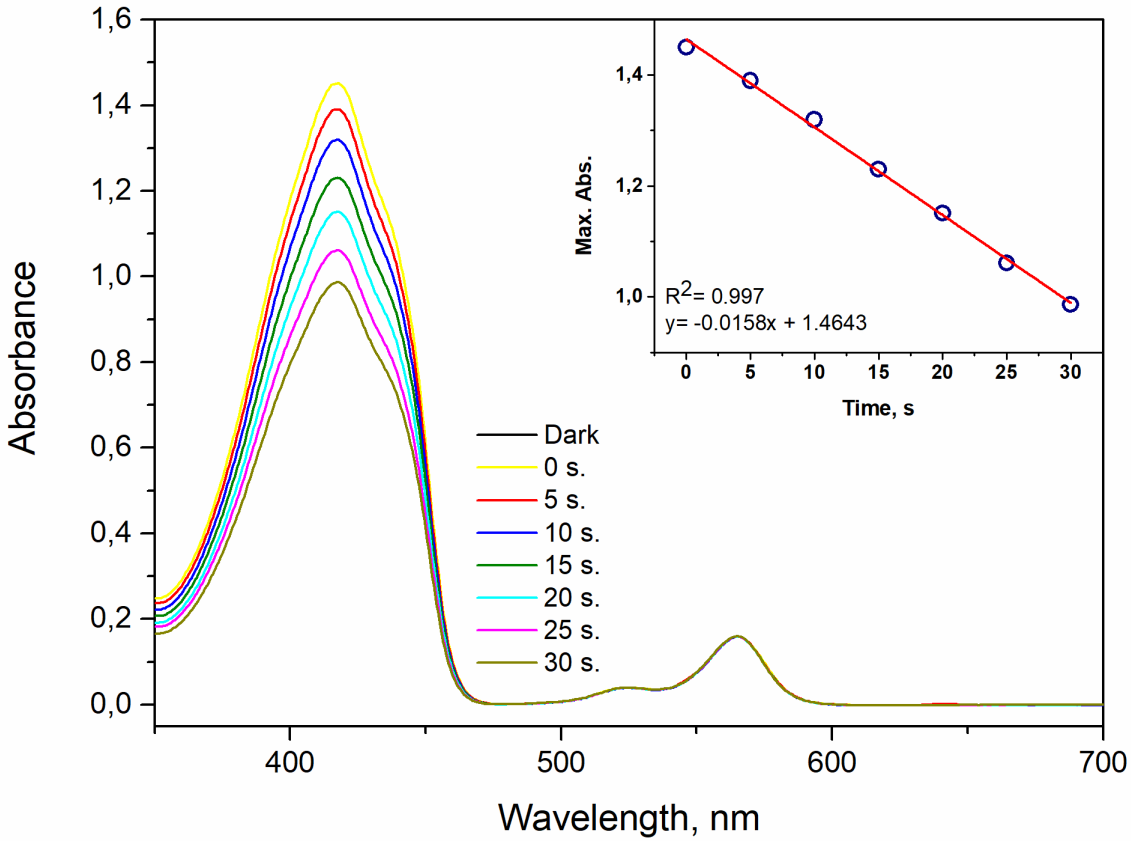

Fig. S42 Decrease in absorbance spectra of DPBF in the presence of RB in DMSO

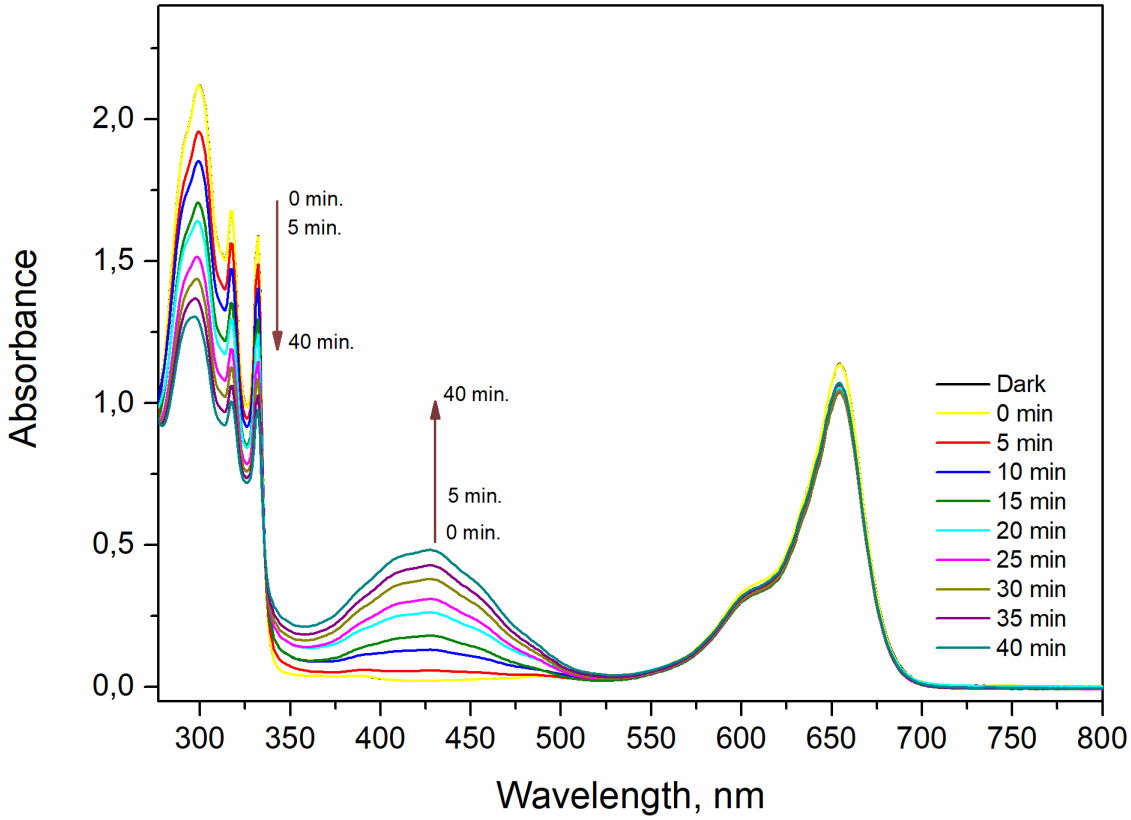

Fig. S43 Decrease in absorbance spectra of DHN in the presence of MB

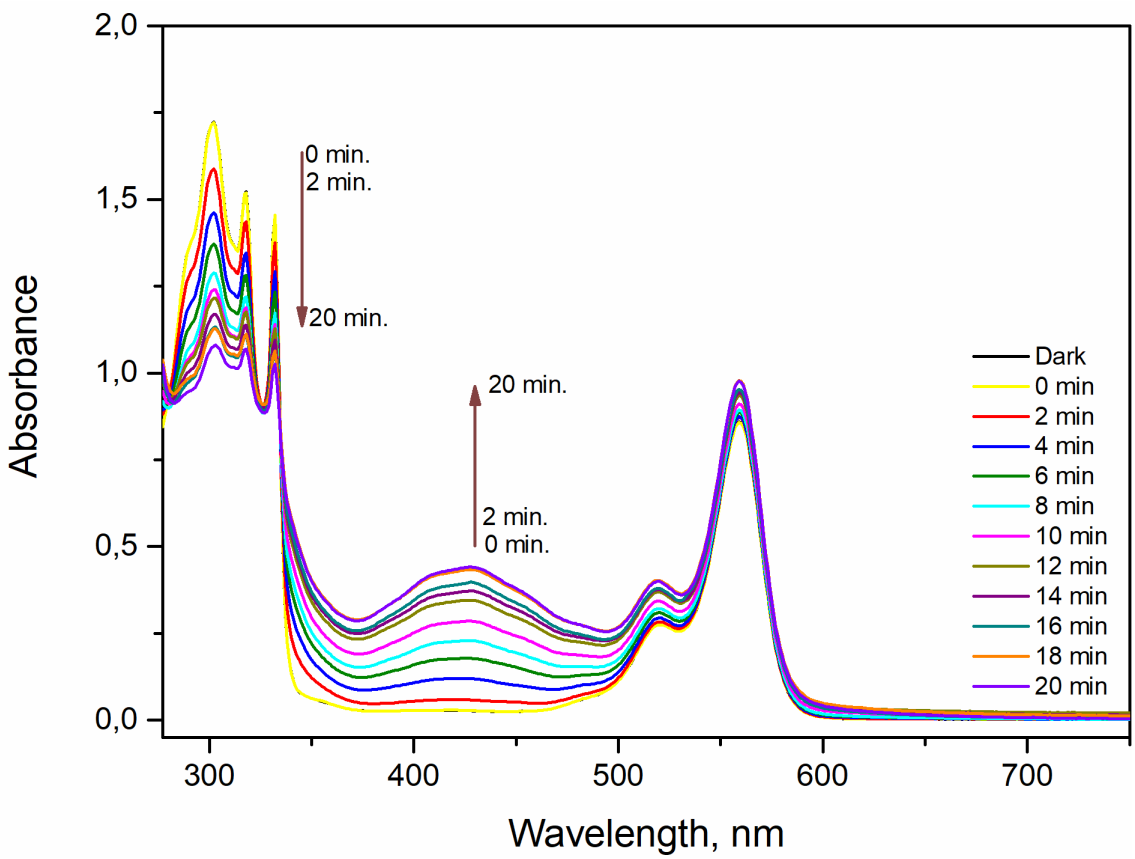

Fig. S44 Decrease in absorbance spectra of DHN in the presence of RB