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Synthesis, Characterization and Aggregation Induced Emission Properties of Anthracene Based Conjugated Molecules

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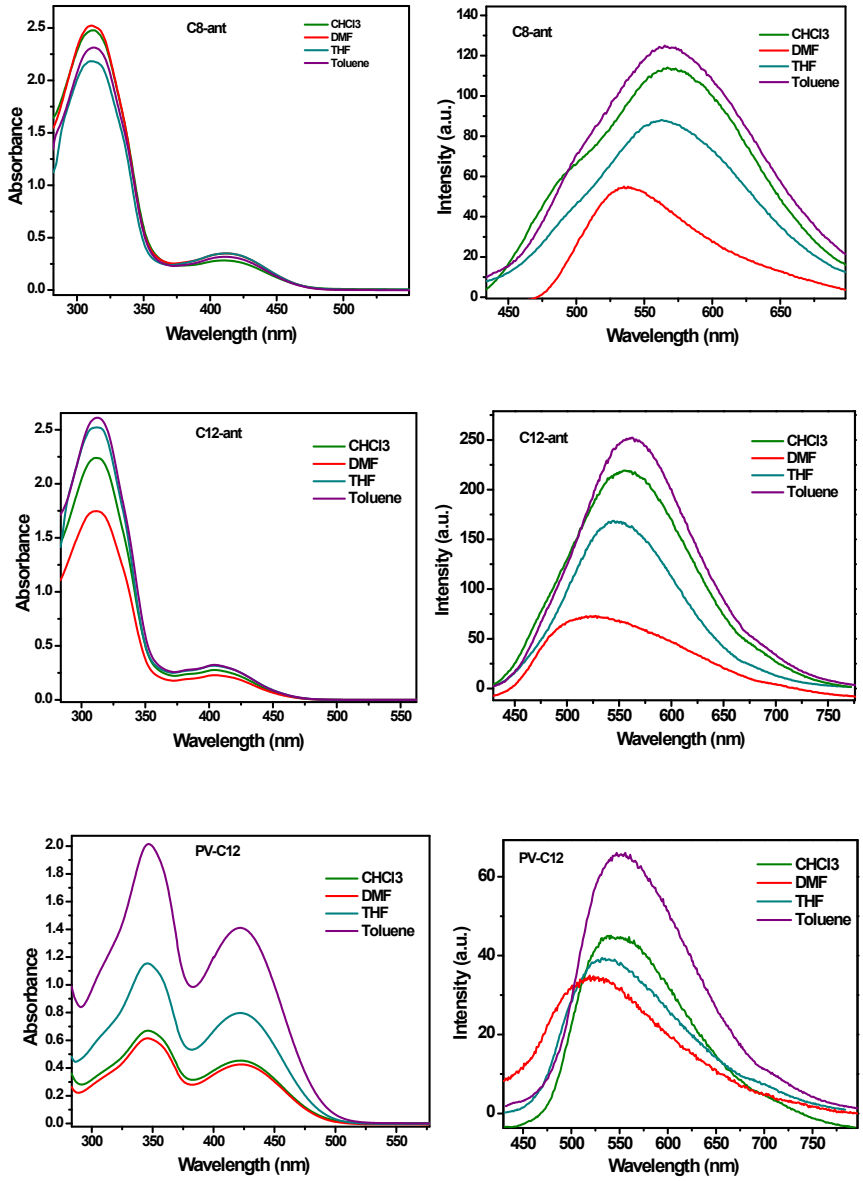

Fig. S1 Absorption (a) and emission (b) spectra of **C8-ant**, **C12-ant** and **PV-C12** in various solvents

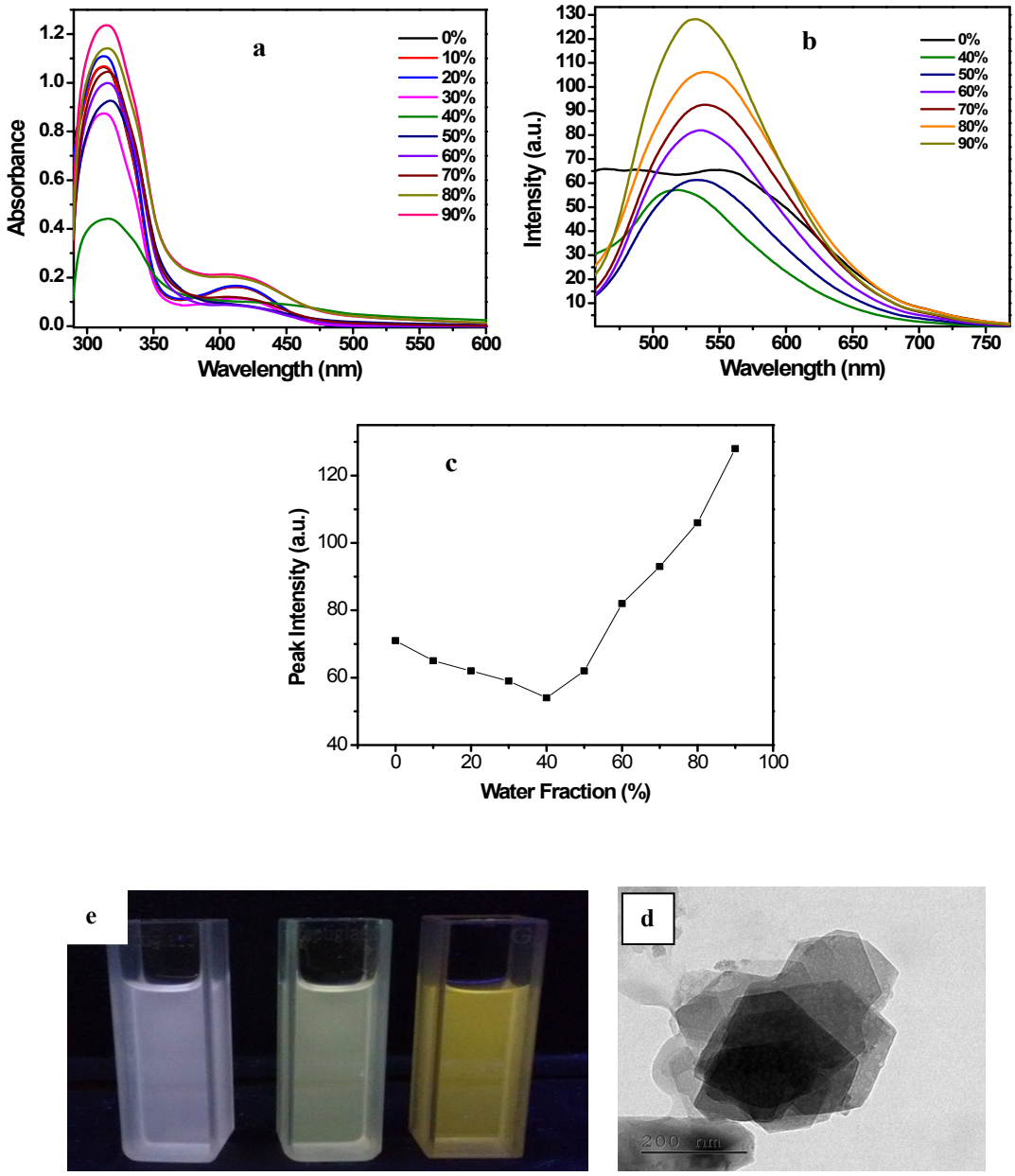

Fig. S2 Absorption (a) and emission (b) spectra of **C8-ant** in various THF/water fractions, (c) plots of peak intensity versus compositions of the THF/water mixtures, (d) fluorescent images of THF/water mixtures with different water fractions (0%, 40% and 80% from left to right) taken under the illumination of UV lamp (365 nm), (e) TEM image of nanoaggregates of **C8-ant** formed in THF/water mixtures (80% water fractions).

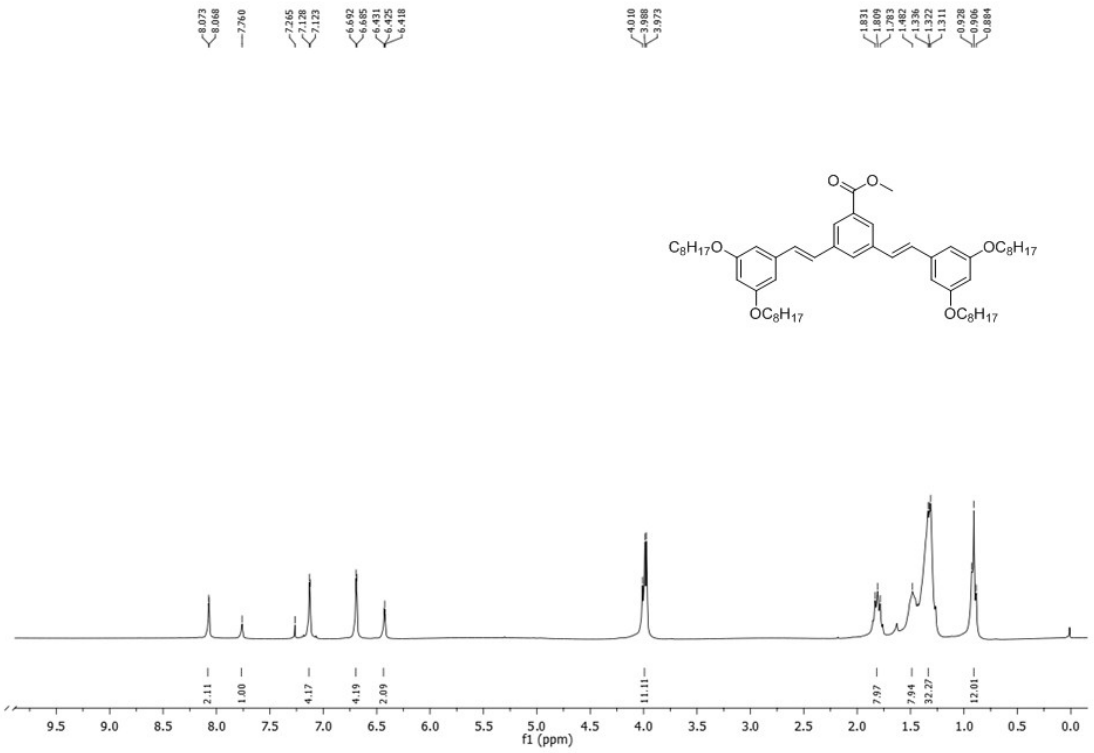

Fig.S3 ^{1}H NMR spectrum of compound **5a**

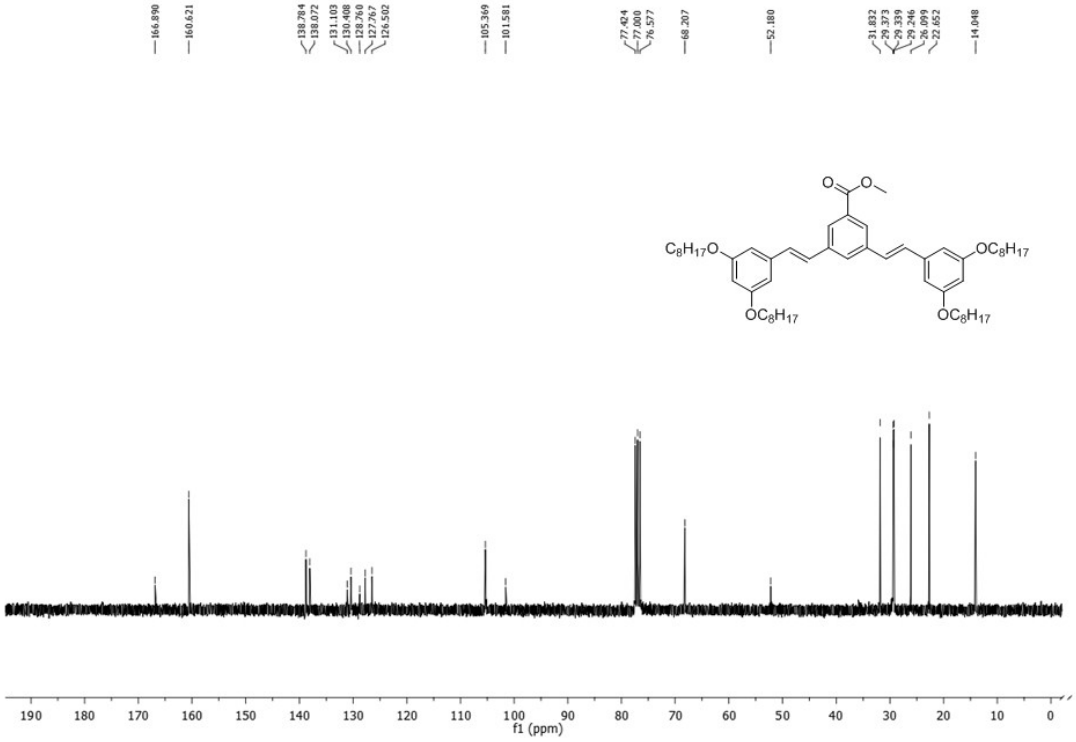

Fig. S4 ^{13}C NMR spectrum of compound **5a**

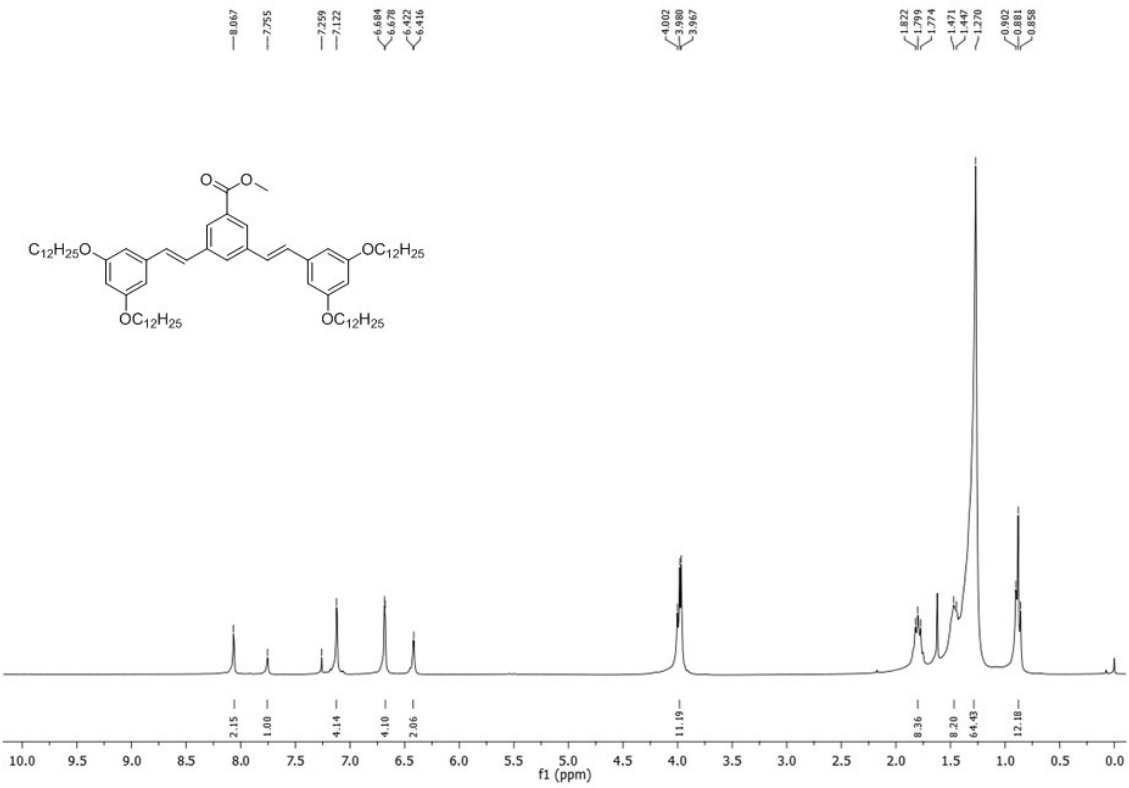

Fig.S5 ^{1}H NMR spectrum of compound **5b**

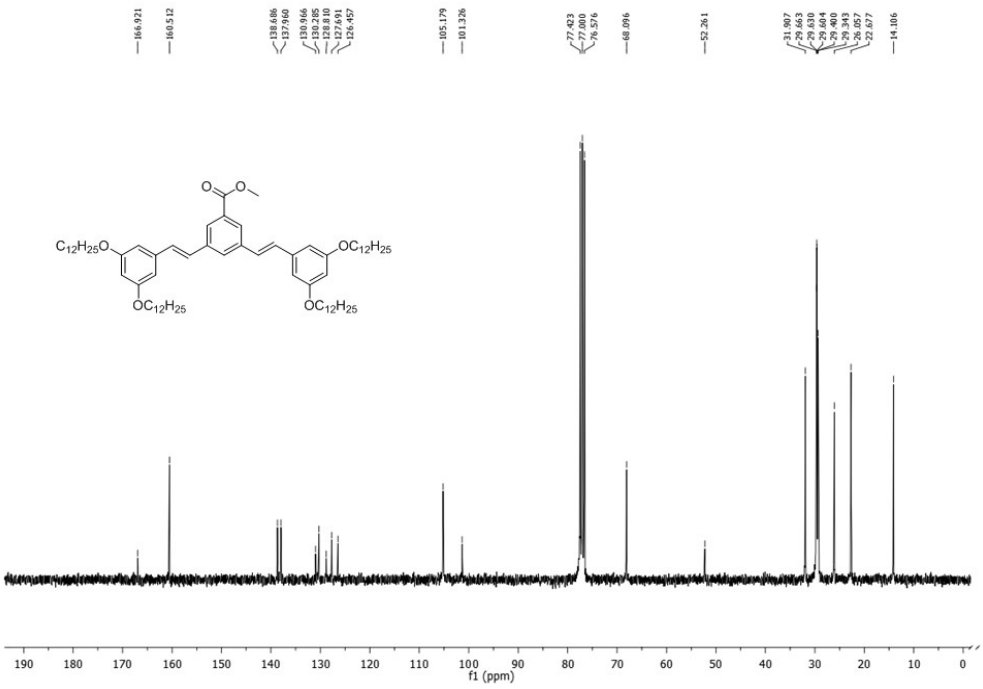

Fig.S6 ^{13}C NMR spectrum of compound **5b**

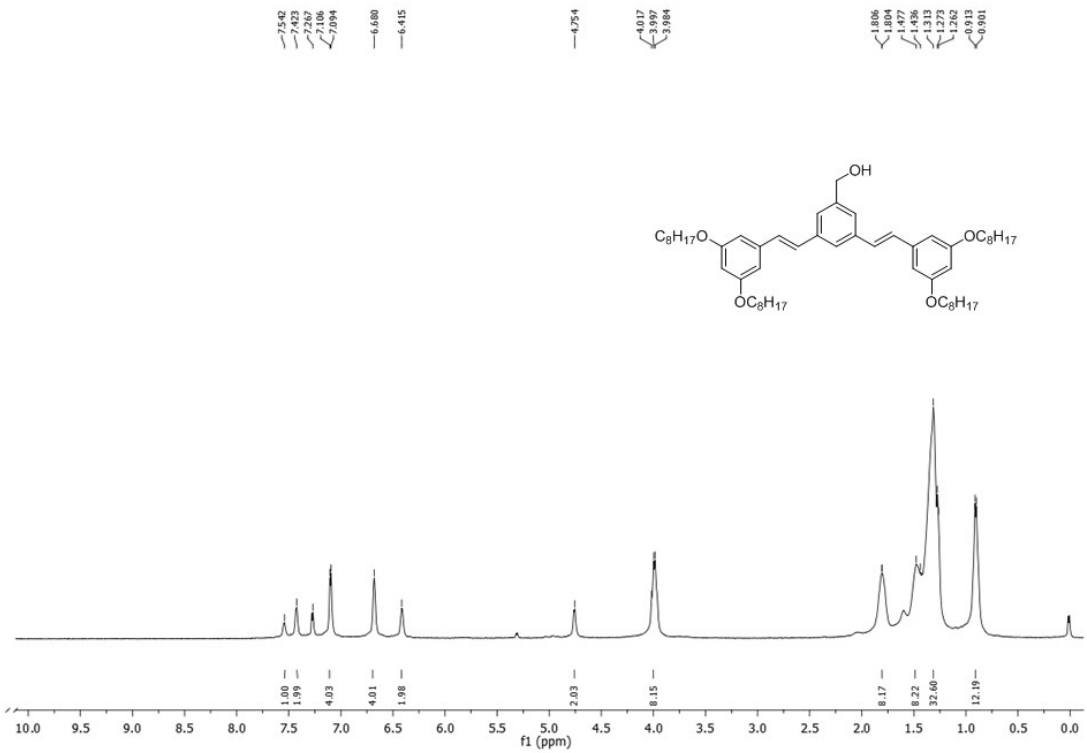

Fig.S7 ^{1}H NMR spectrum of compound **6a**

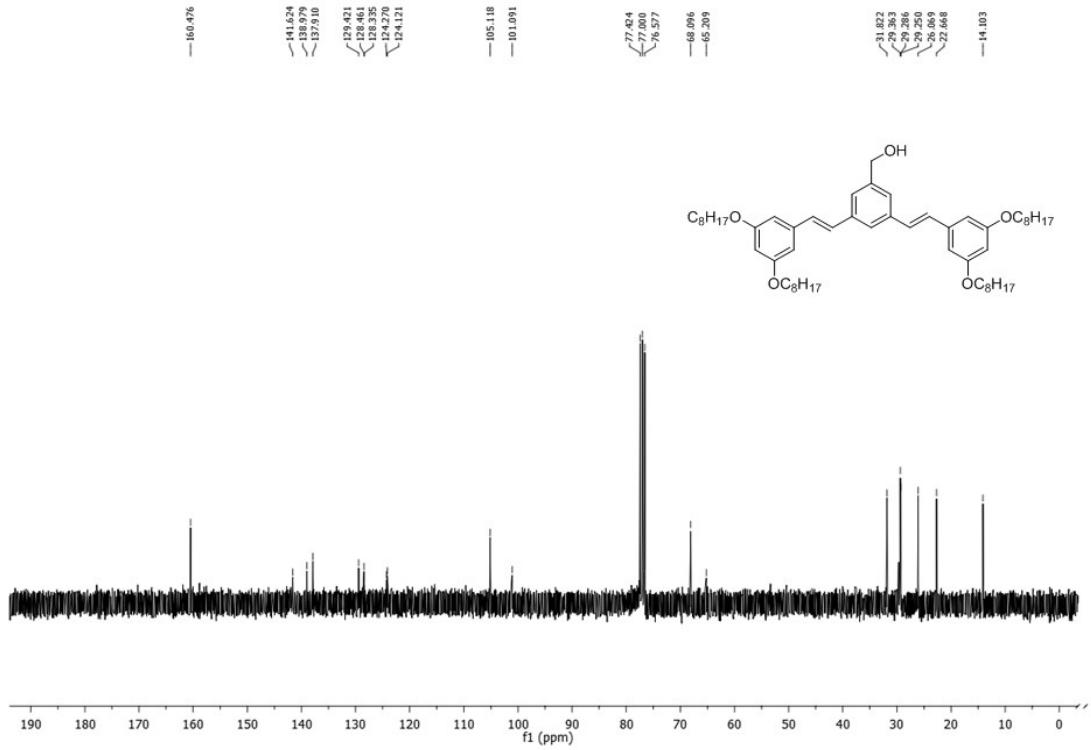

Fig.S8 ^{13}C NMR spectrum of compound **6a**

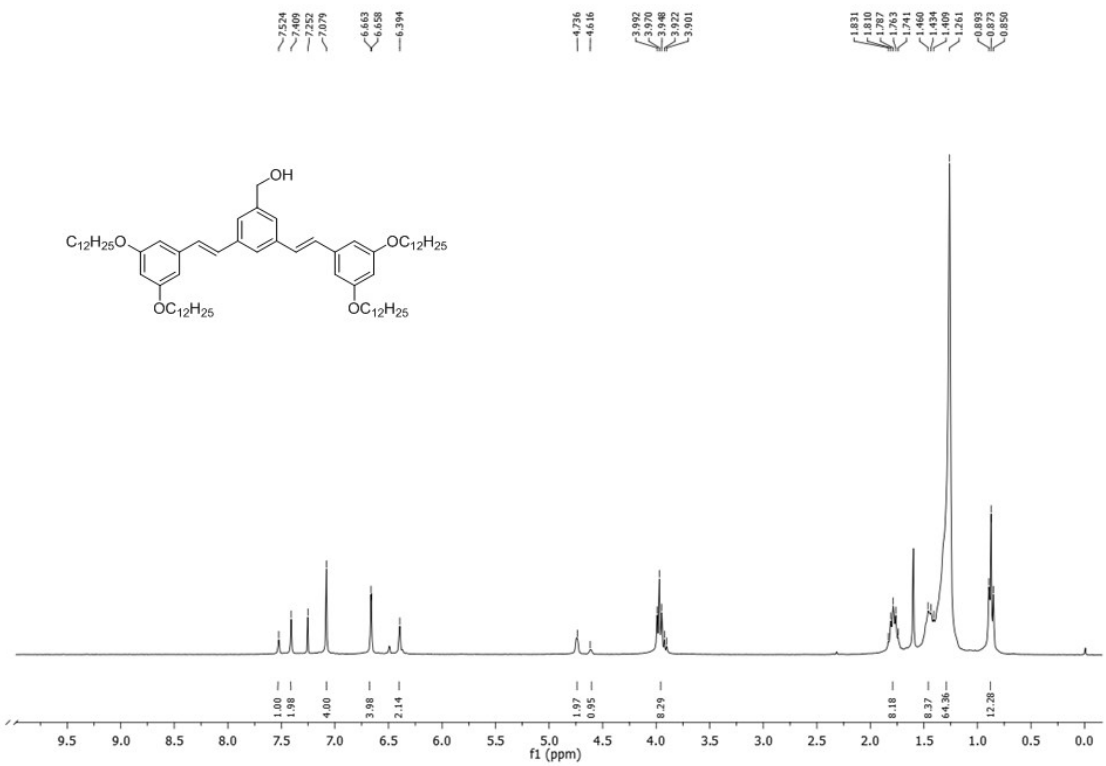

Fig.S9^{1}H NMR spectrum of compound **6b**

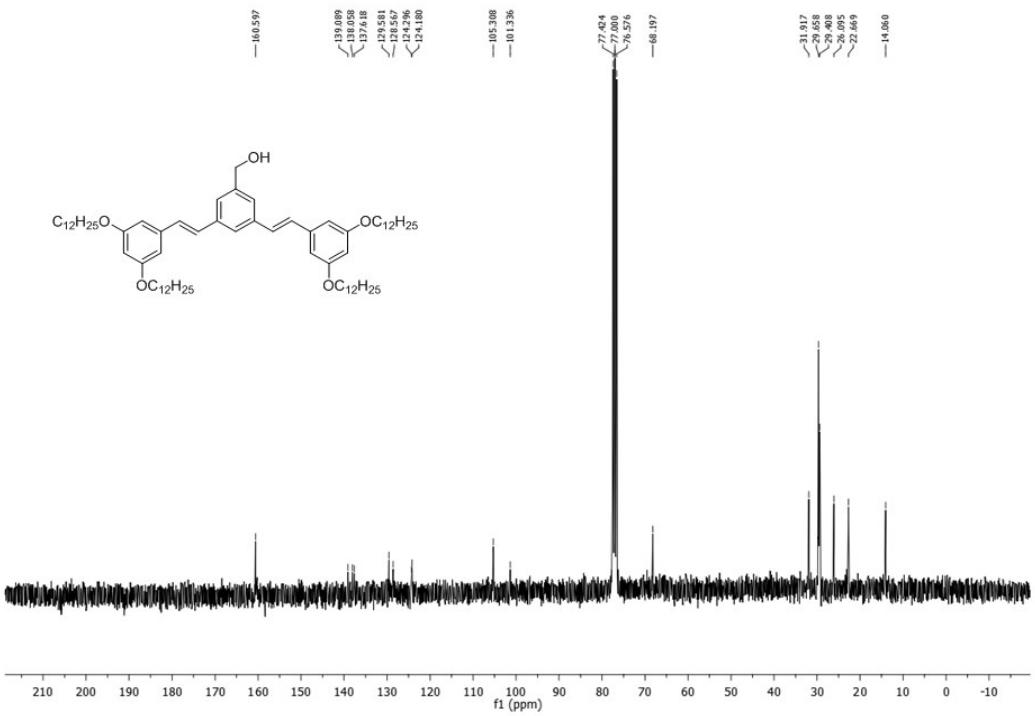

Fig.S10 ^{13}C NMR spectrum of compound **6b**

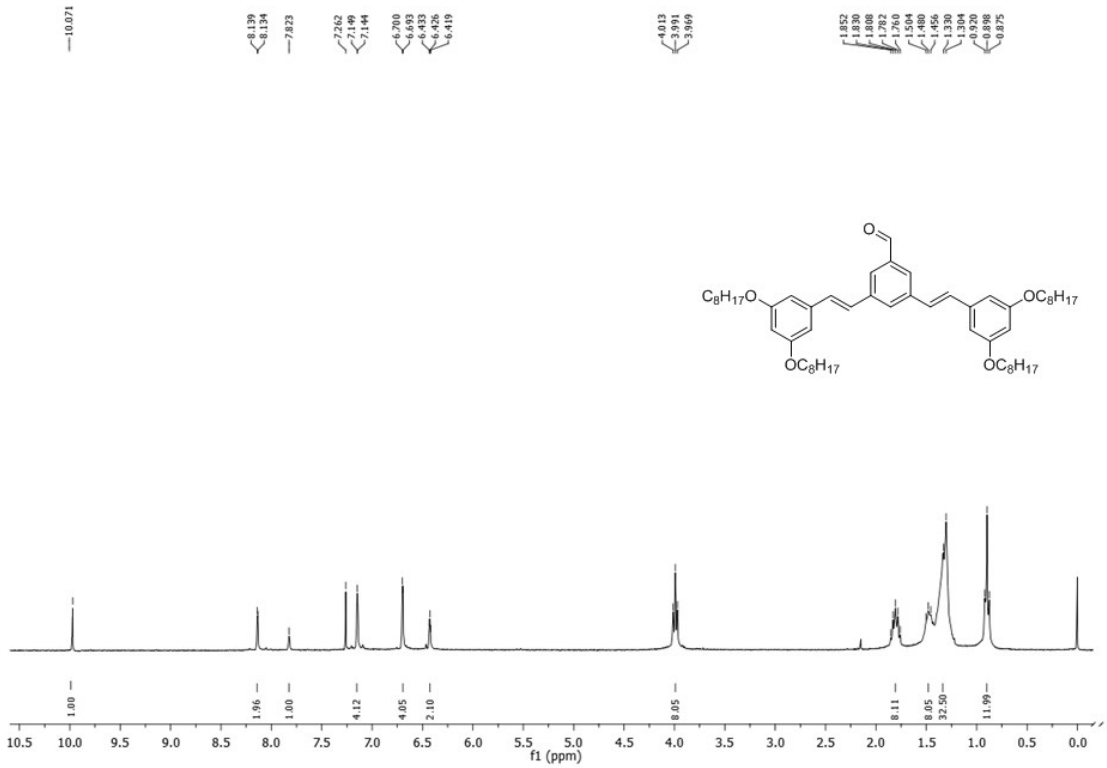

Fig.S11 ^{1}H NMR spectrum of compound **7a**

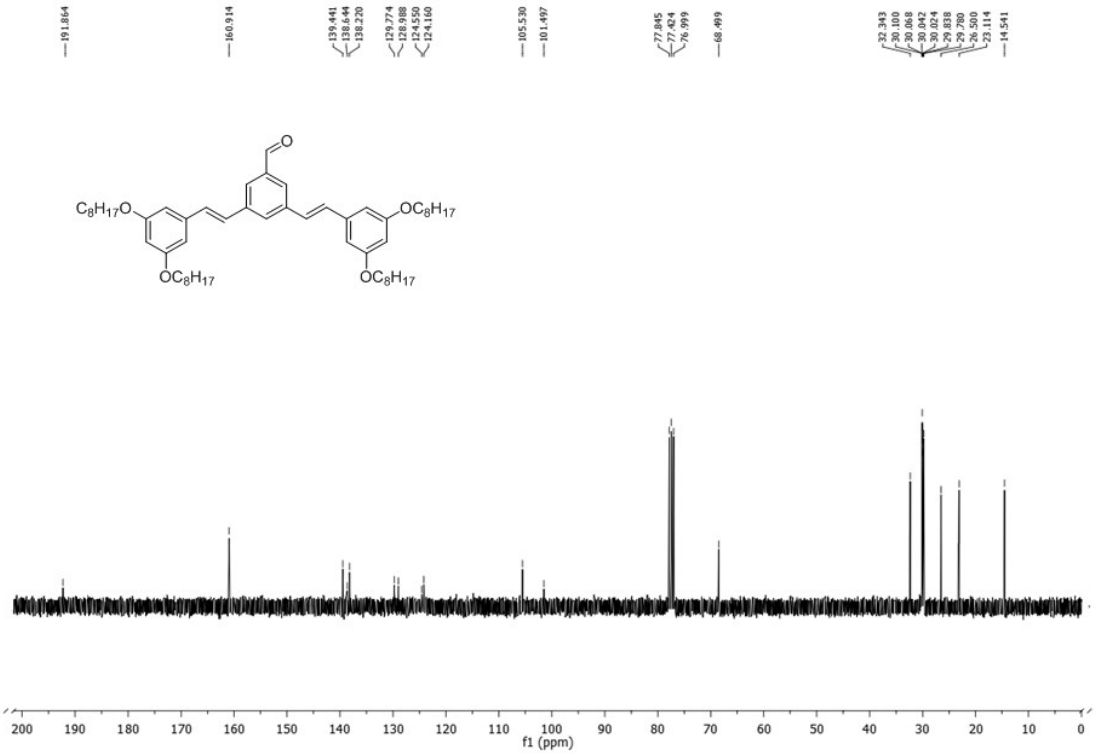

Fig.S12 ^{13}C NMR spectrum of compound **7a**

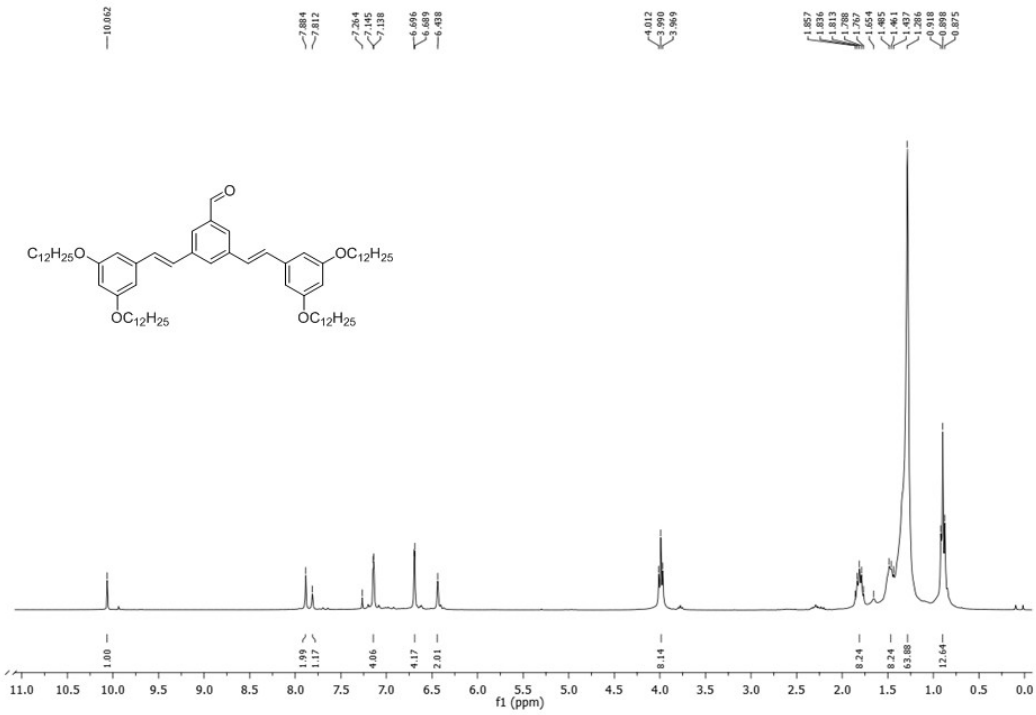

Fig.S13 ^{1}H NMR spectrum of compound **7b**

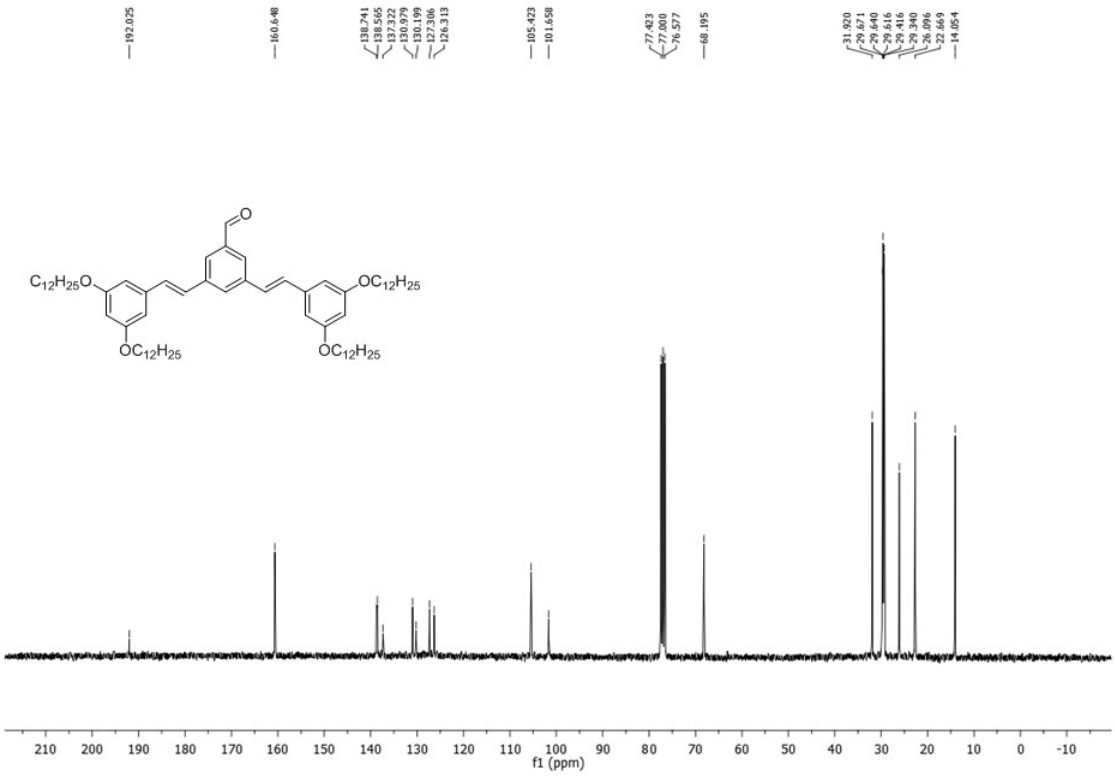

Fig.S14 ^{13}C NMR spectrum of compound **7b**

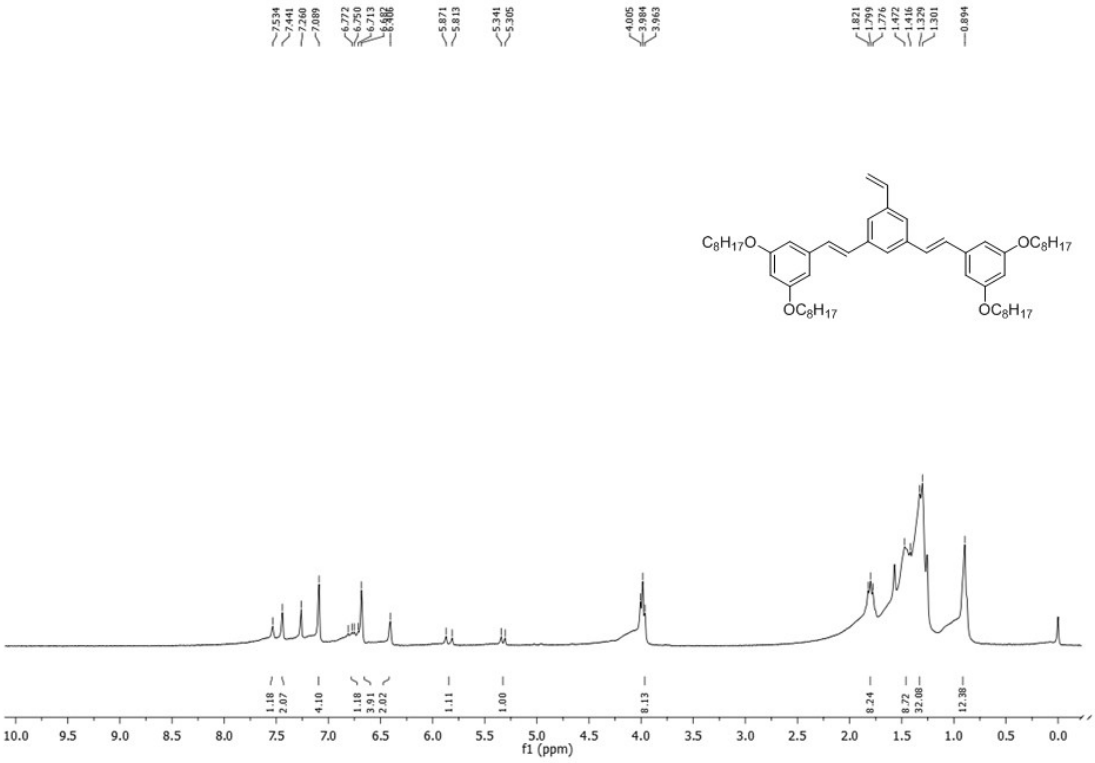

Fig.S15 ^{1}H NMR spectrum of compound **8a**

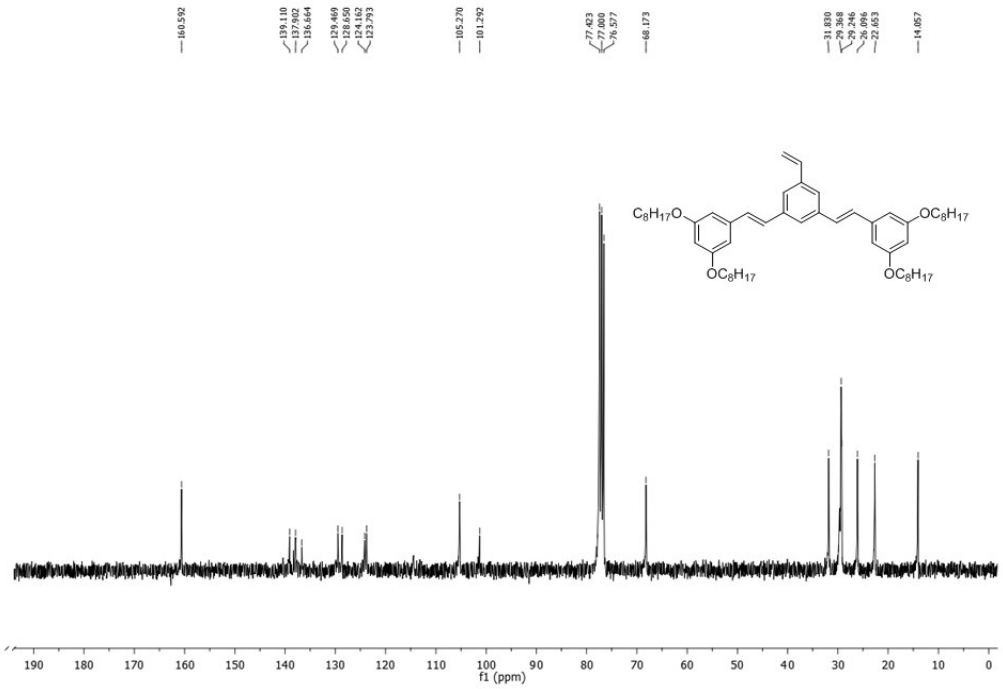

Fig.S16 ^{13}C NMR spectrum of compound **8a**

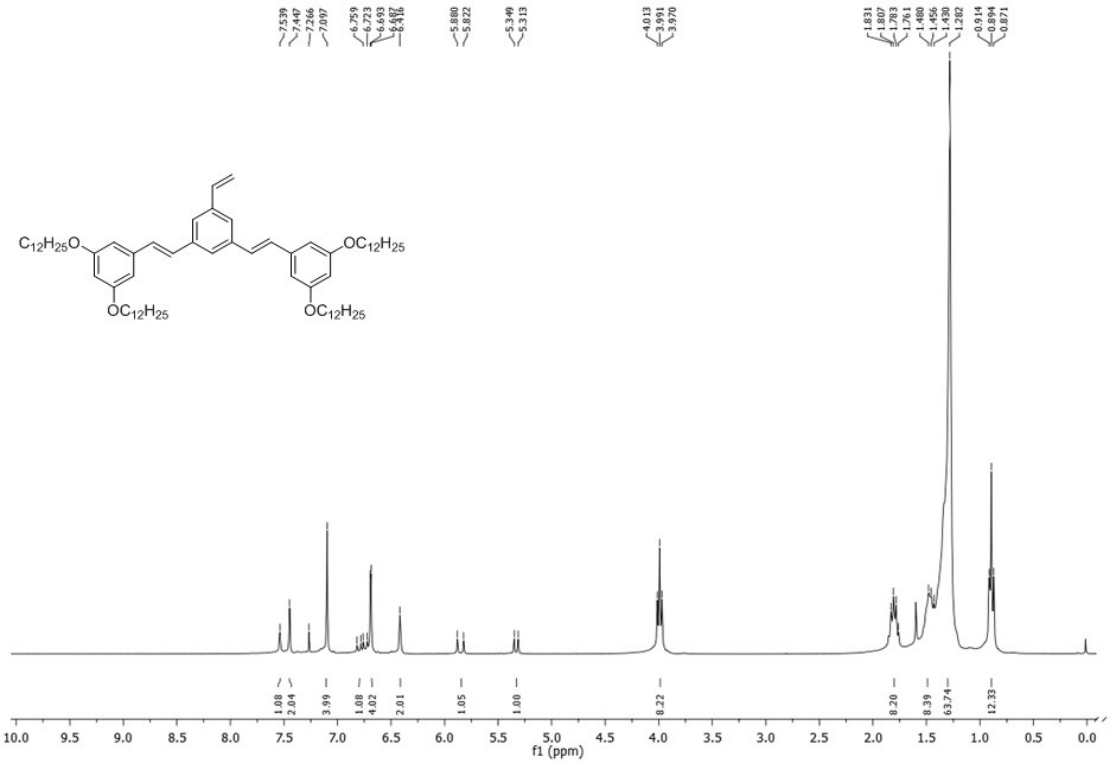

Fig.S17 ^{1}H NMR spectrum of compound **8b**

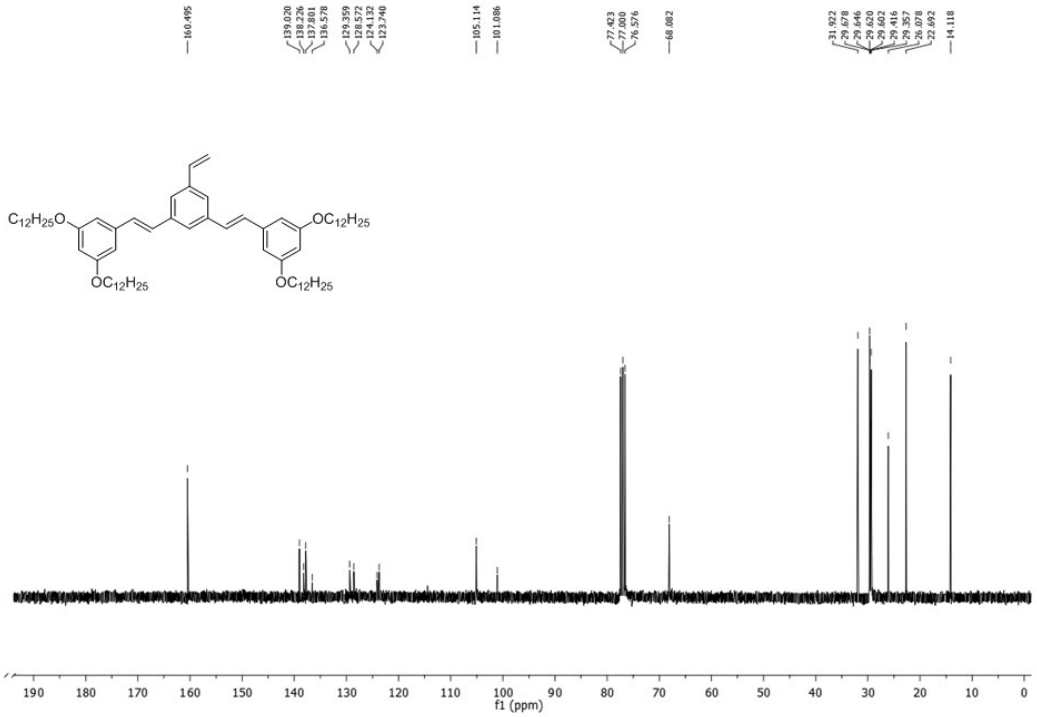

Fig.S18 ^{13}C NMR spectrum of compound **8b**

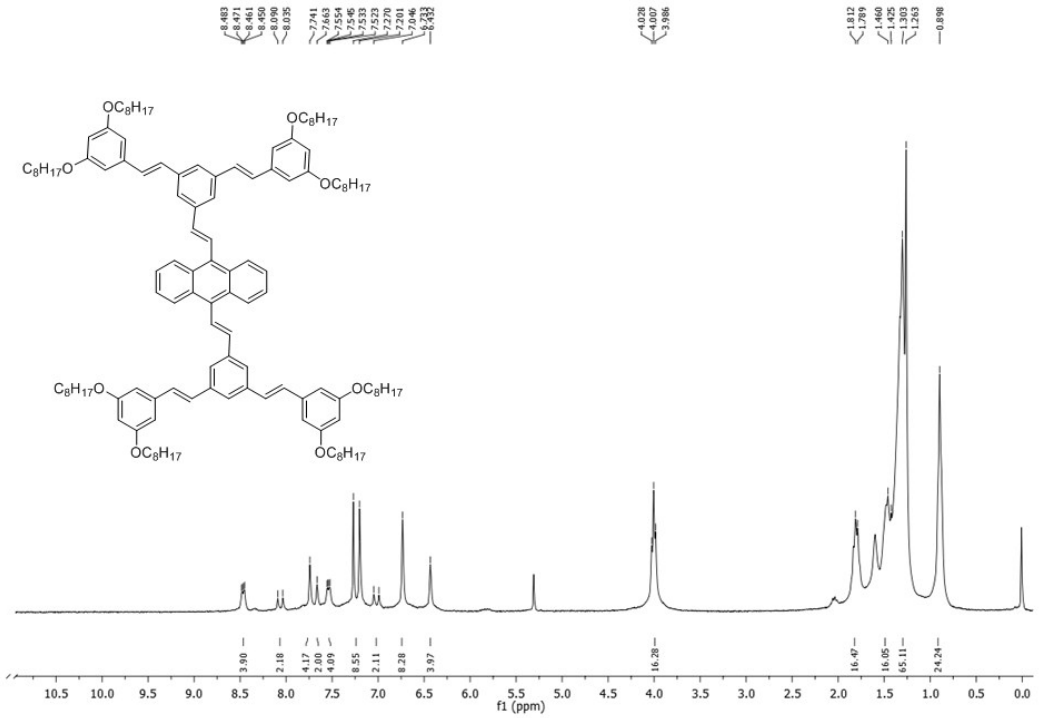

Fig.S19 ^{1}H NMR spectrum of compound **C8-ant**

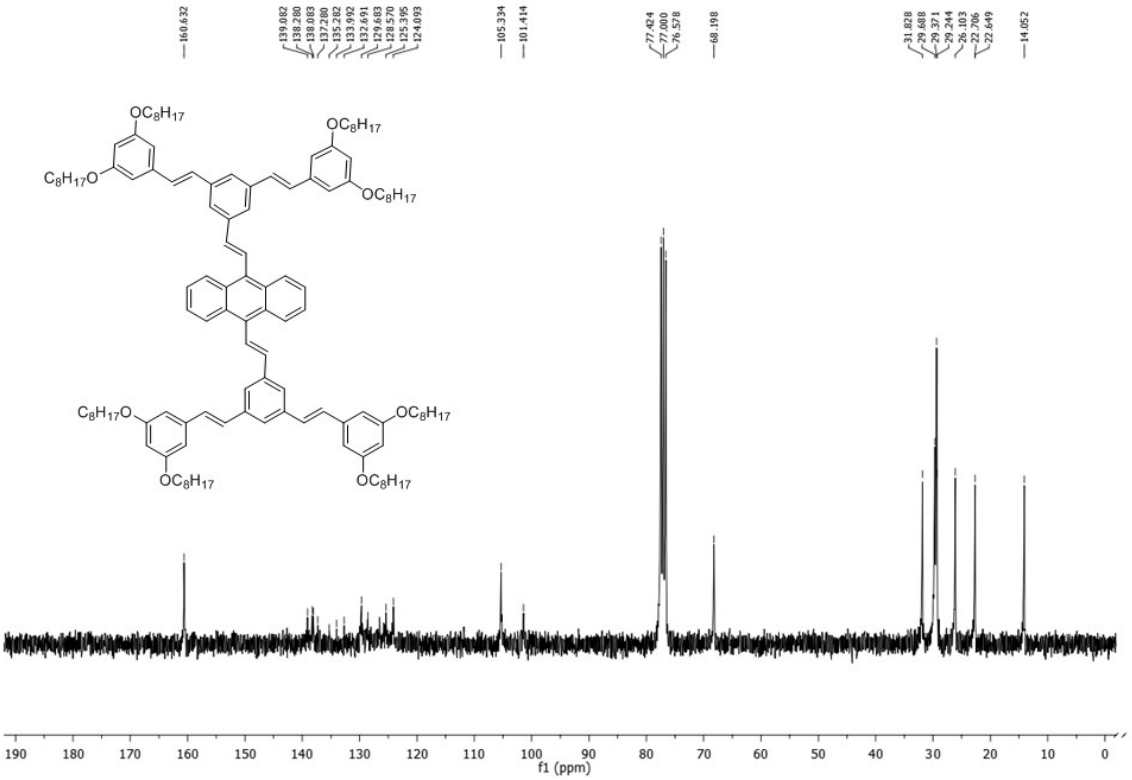

Fig.S20 ^{13}C NMR spectrum of compound **C8-ant**

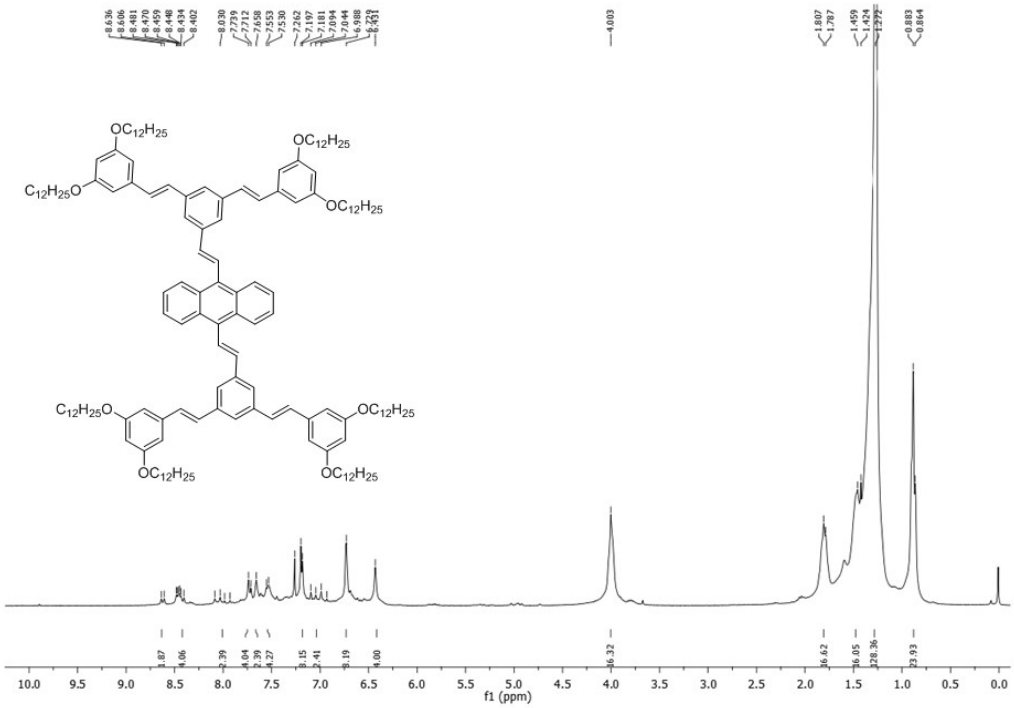

Fig.S21 ^{1}H NMR spectrum of compound **C12-ant**

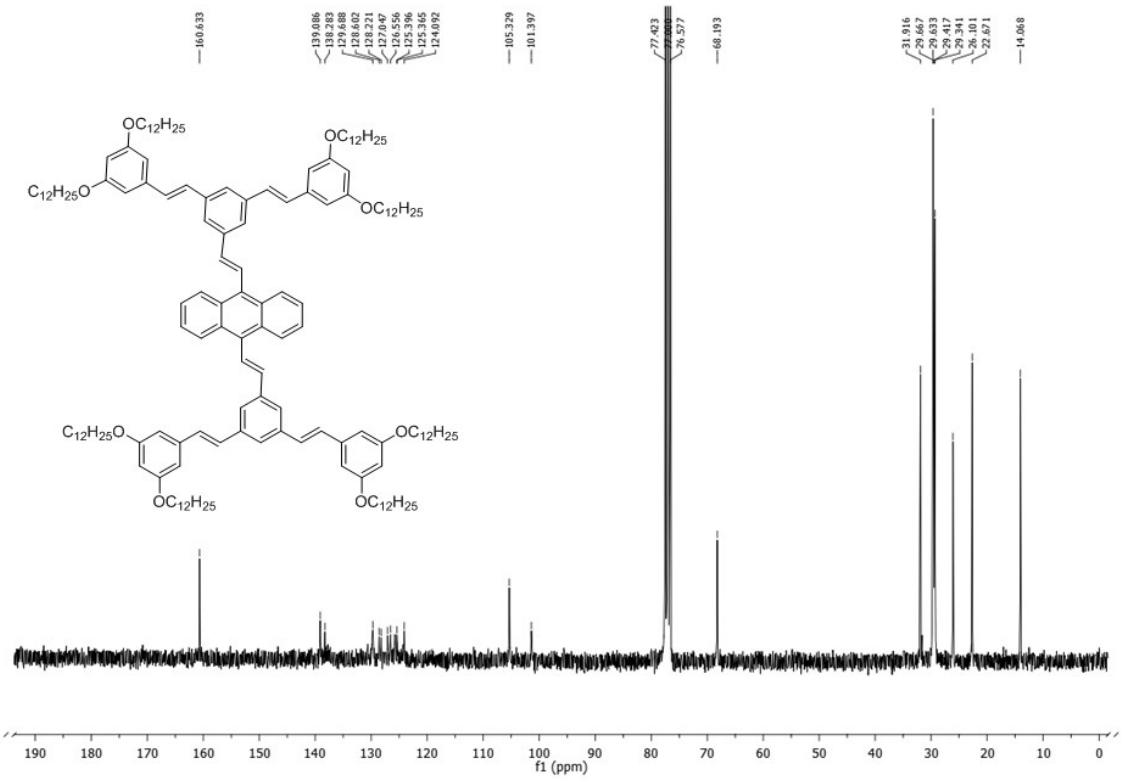

Fig.S22 ^{1}H NMR spectrum of compound **C12-ant**

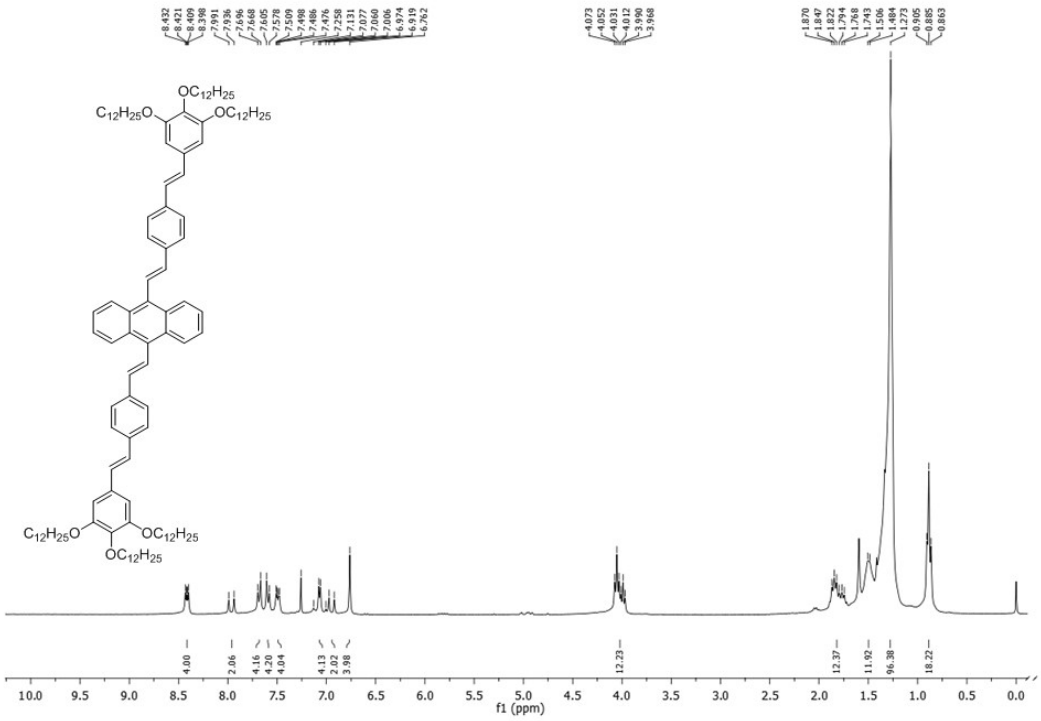

Fig.S23 ^{1}H NMR spectrum of compound **PV-C12**

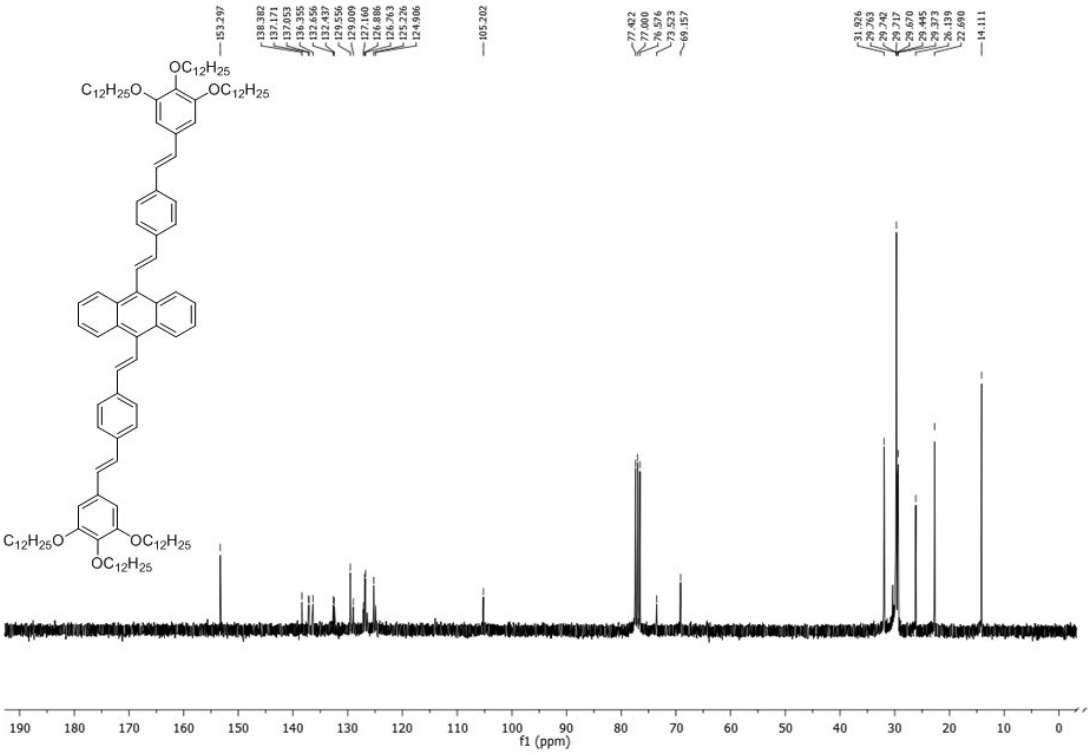

Fig.S24 ^{13}C NMR spectrum of compound **PV-C12**

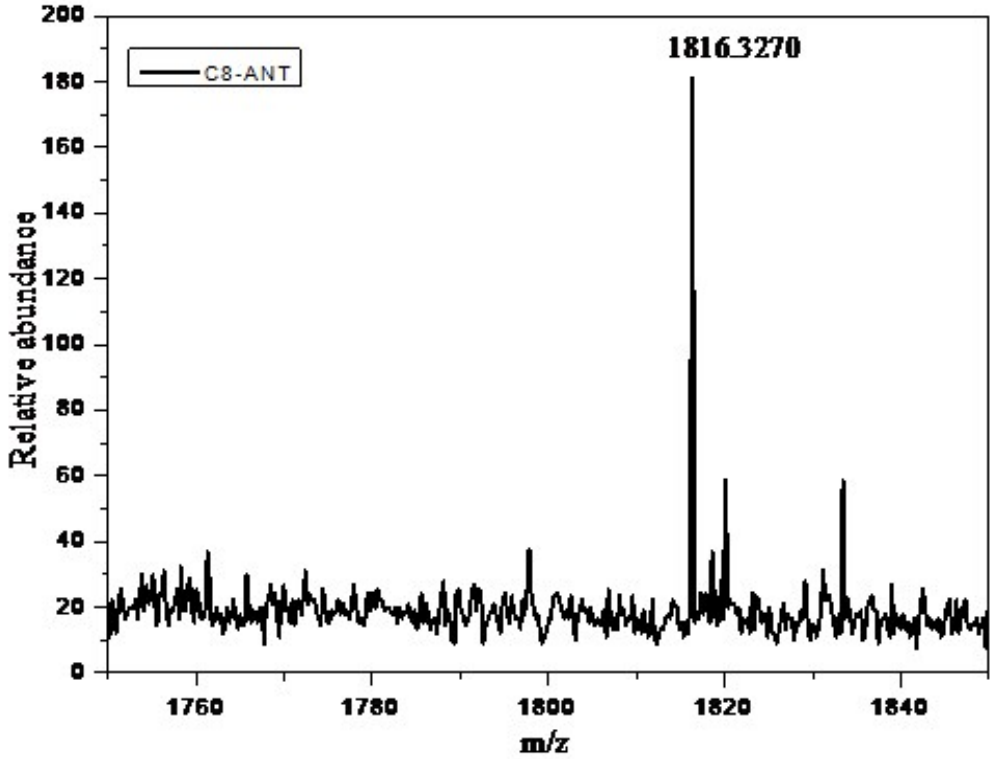

Fig.S25 MALDI-TOF Mass spectrum of compound **C8-ant**

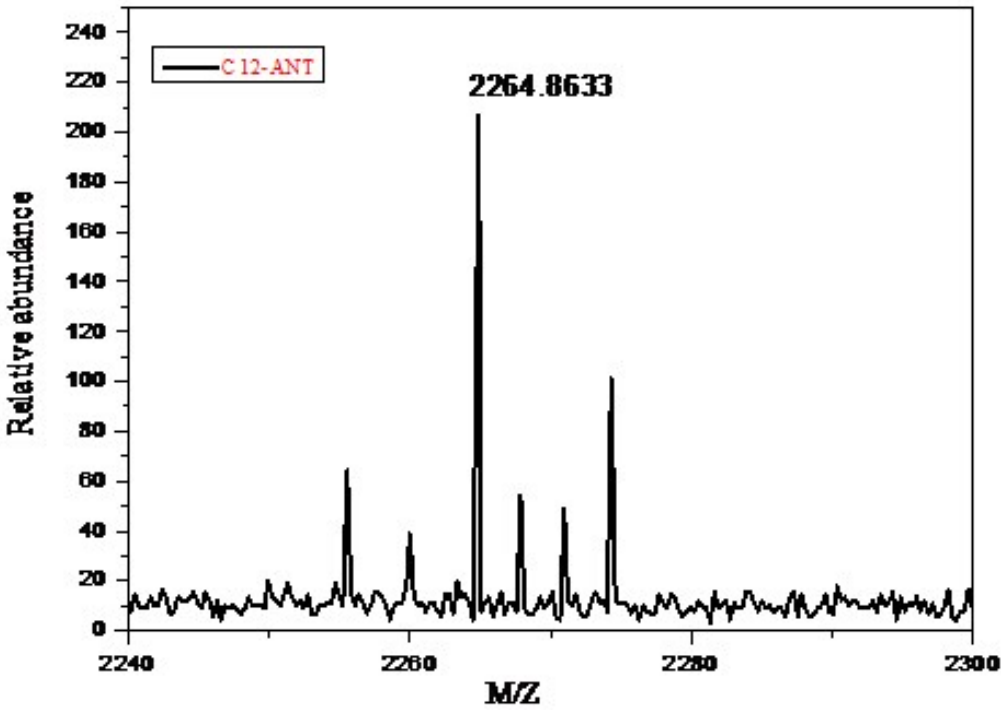

Fig.S26 MALDI-TOF Mass spectrum of compound **C12-ant**

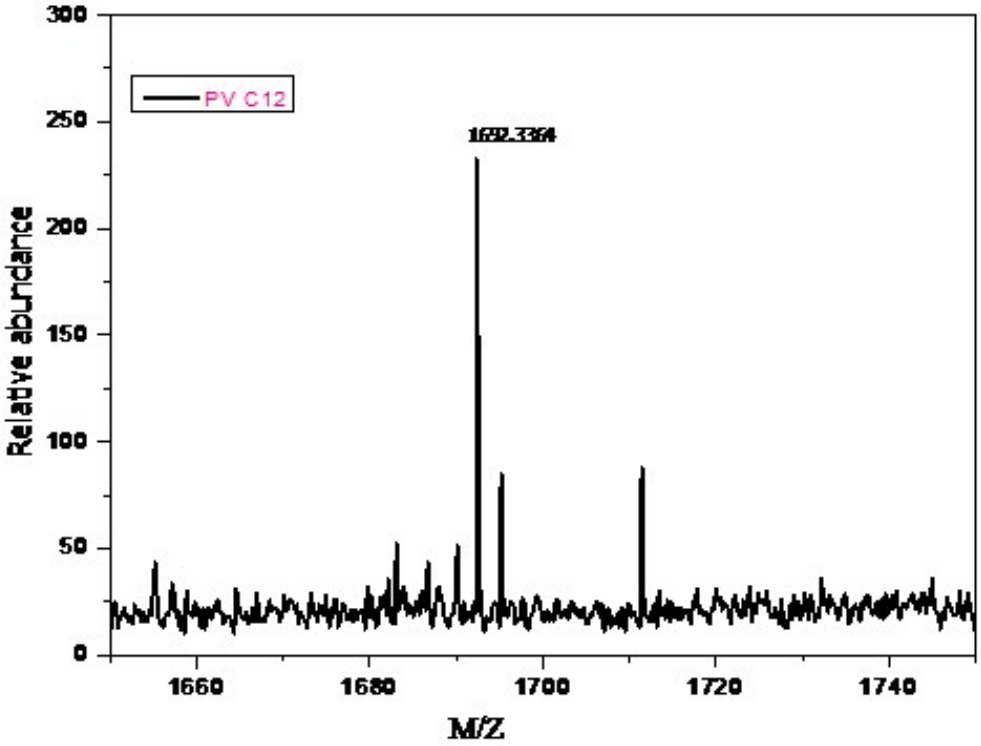

Fig.S27 MALDI-TOF Mass spectrum of compound **PV-C12**