

Supporting Information

Charge Transfer Properties of a Donor-Acceptor Dyad based on an Expanded Acridinium Cation

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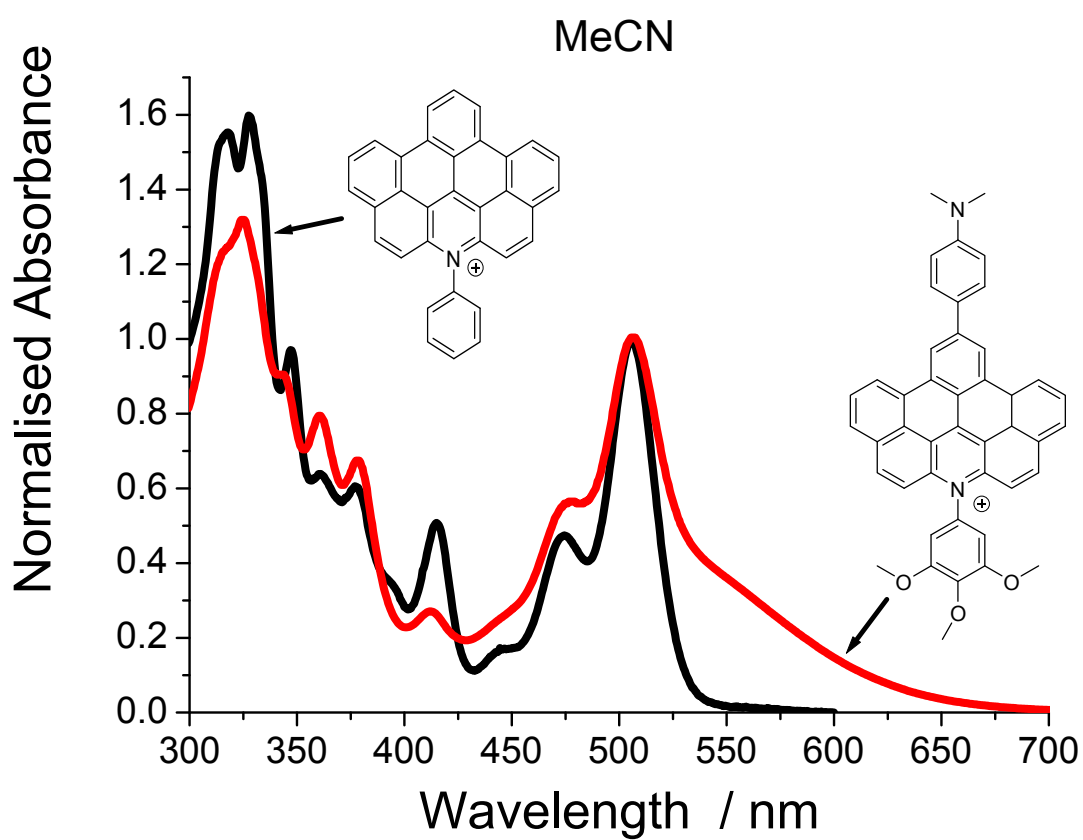


Figure S1. Normalised absorption spectrum for **EACR** (black) and **DMA** (red) in dilute MeCN.

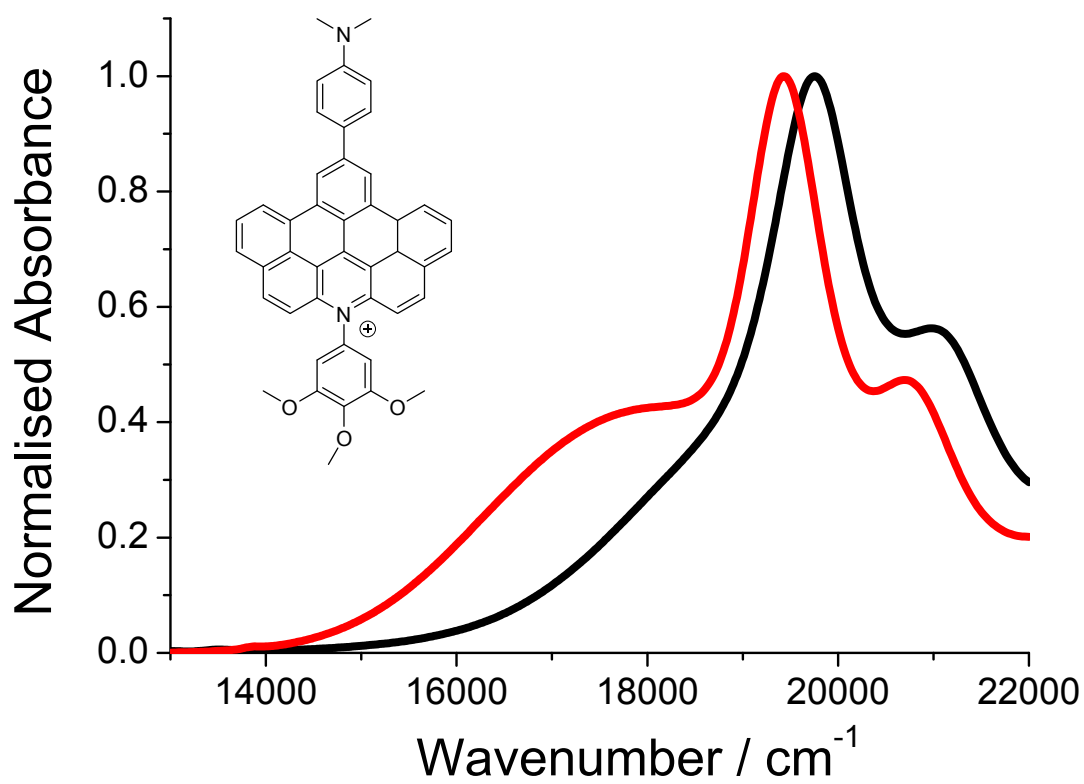


Figure S2. Normalised absorption spectrum for **DMA** in dioxane (black) and DCM (red).

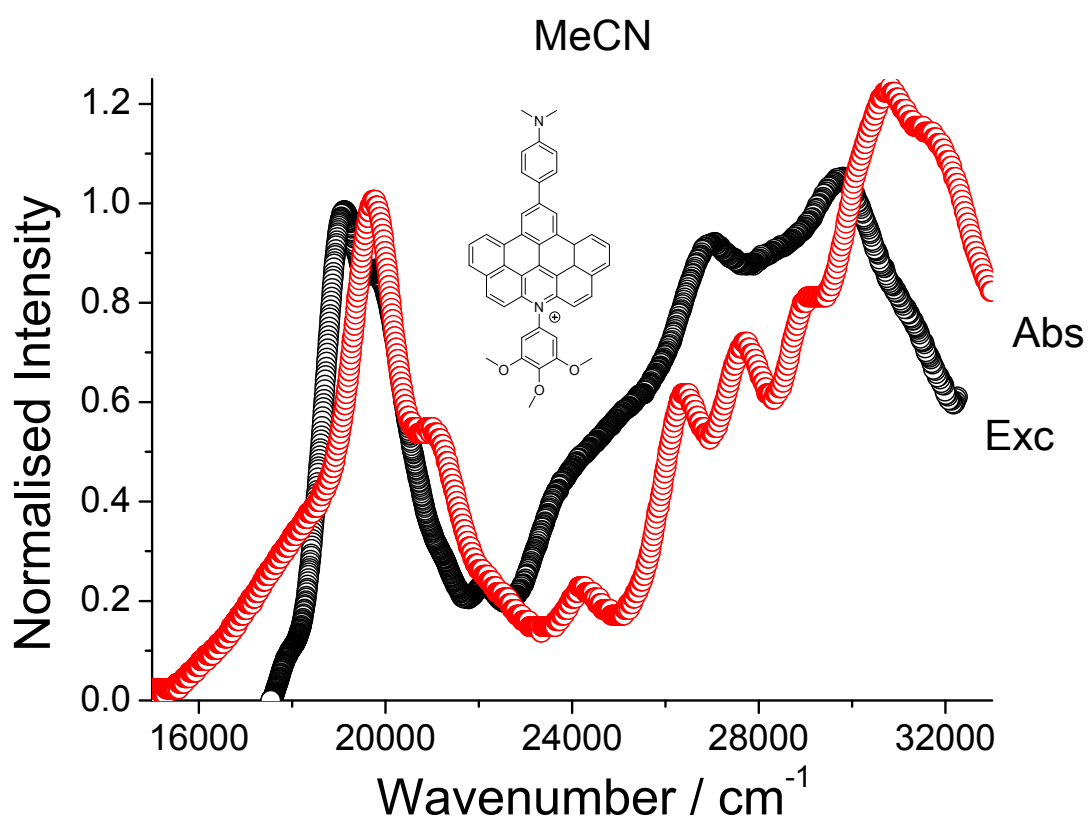


Figure S3. Absorption spectrum (red) and fully corrected fluorescence excitation spectrum (black) for **DMA** in MeCN.

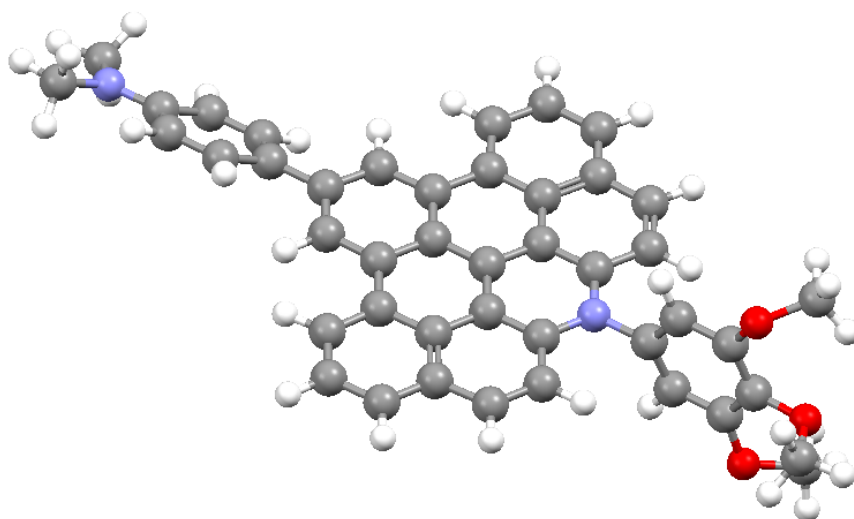


Figure S4. Energy minimised structure for **DMA** calculated using DFT (B3LYP) and the 6-311G basis set.

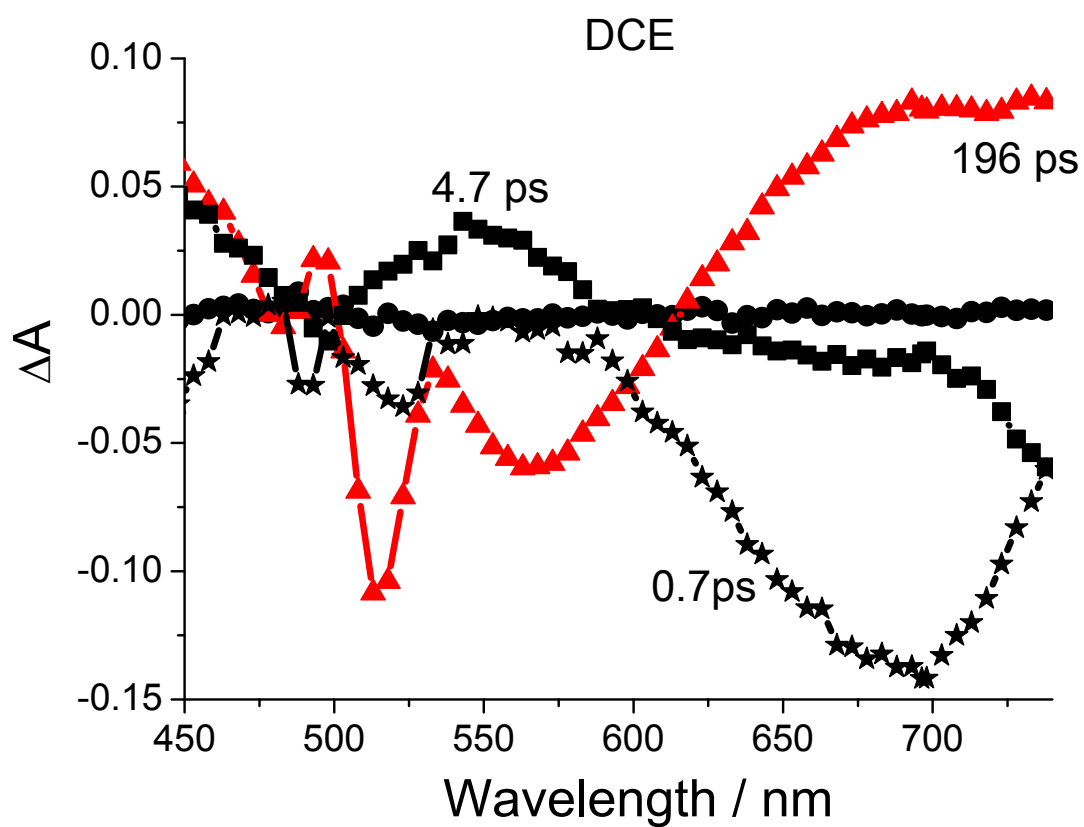


Figure S5. Differential transient absorption profiles calculated from a global fit analysis for **DMA** in DCE. Lifetimes are shown on the plot.

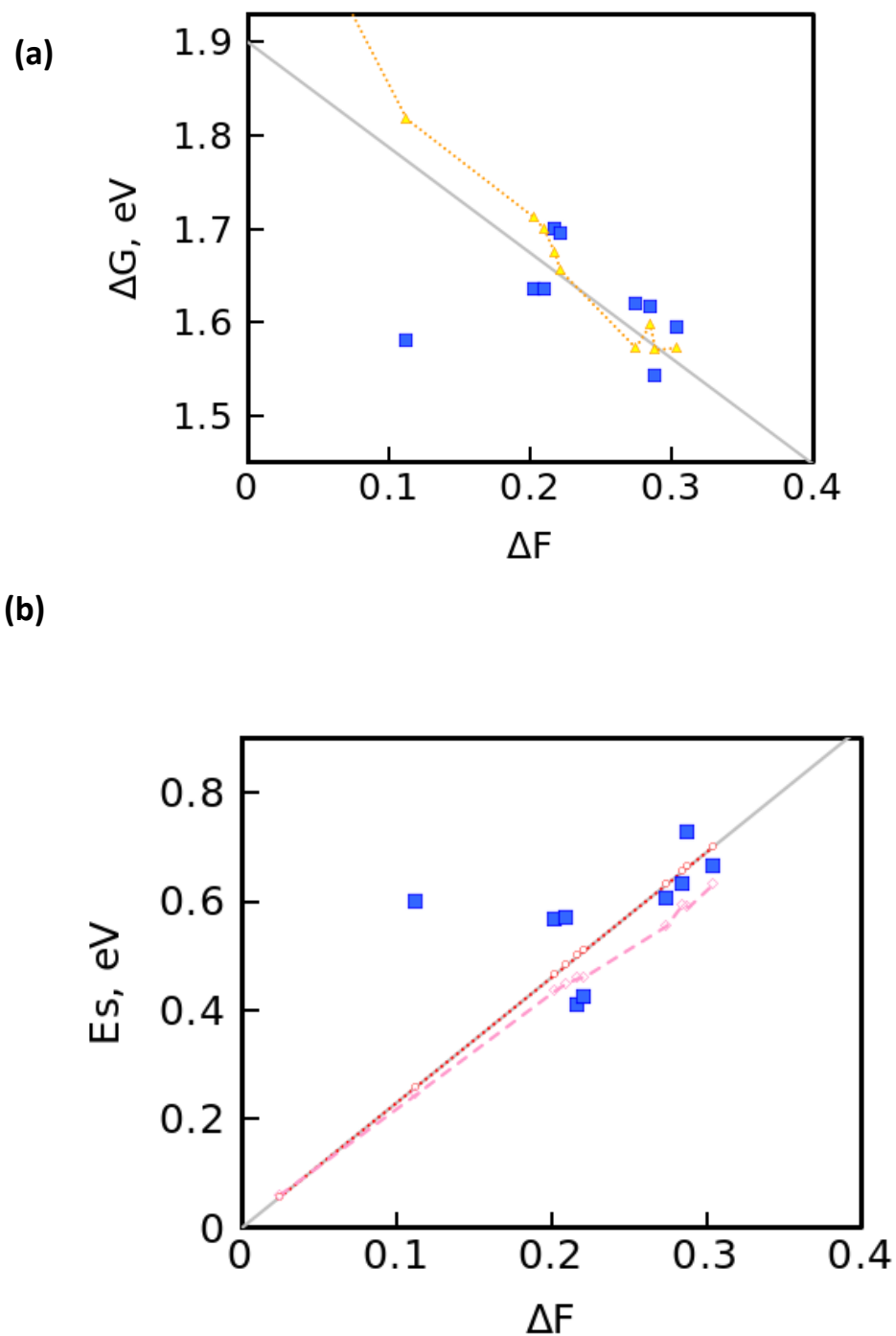


Figure S6. Polarity dependences of (a) the free energy, ΔG , and (b) the solvent reorganization energy, E_s . The most left point in both graphs corresponds to anisole.

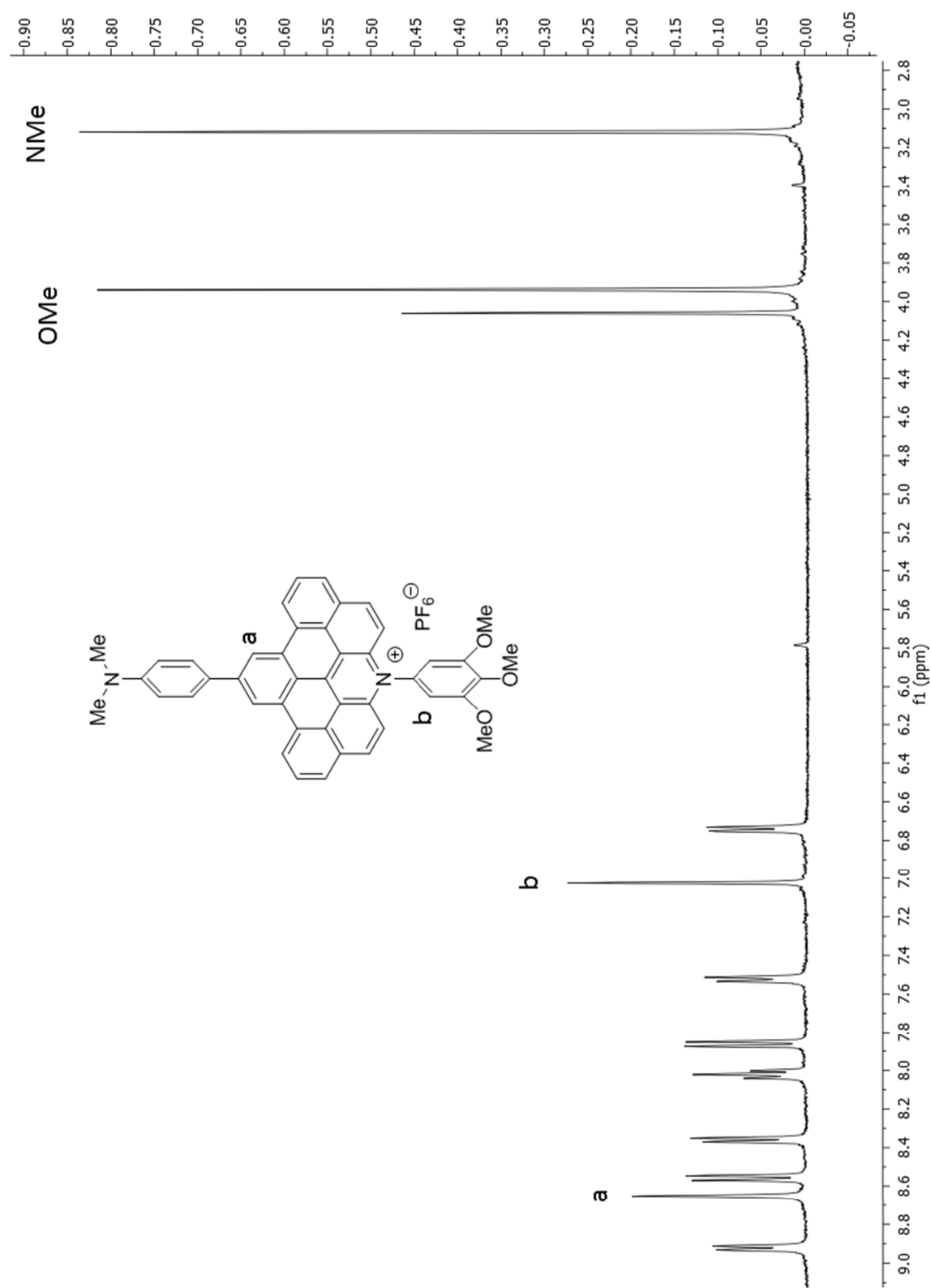


Figure S7. Selected ^1H NMR spectrum for DMA in CD_3CN and selected assignments for proton resonances .