Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

Electronic Supplementary Information

An artificial photosynthetic model based on a molecular triad of boron dipyrromethene and phthalocyanine

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Contents

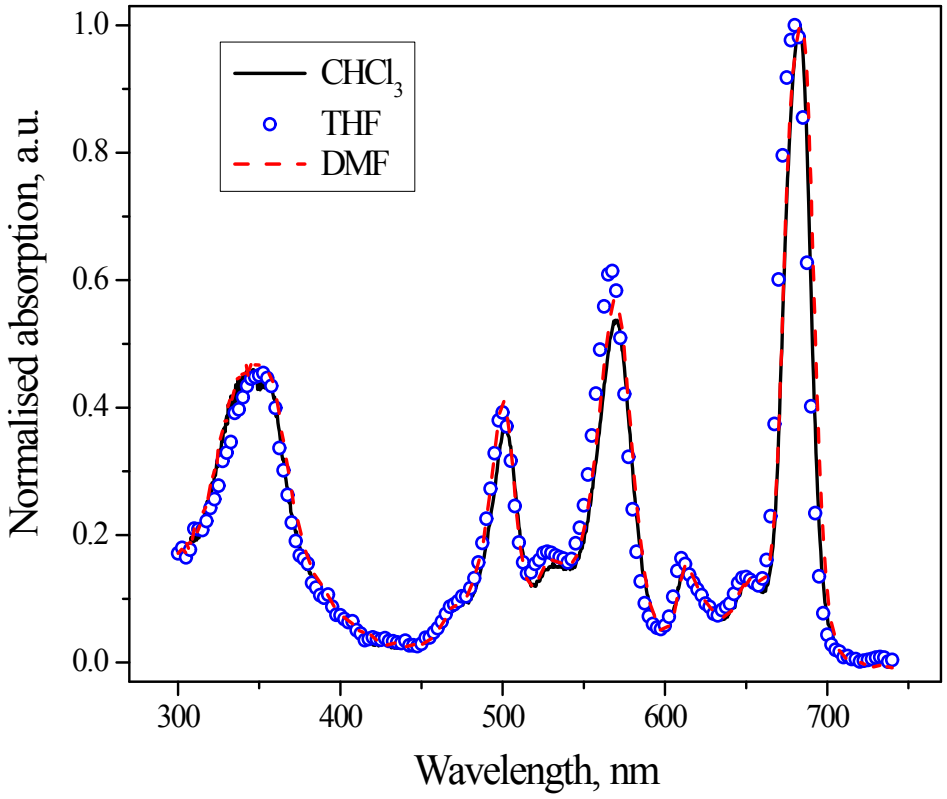


Fig. S1 UV-Vis absorption spectra of triad **4** in $CHCl_3$, THF and DMF

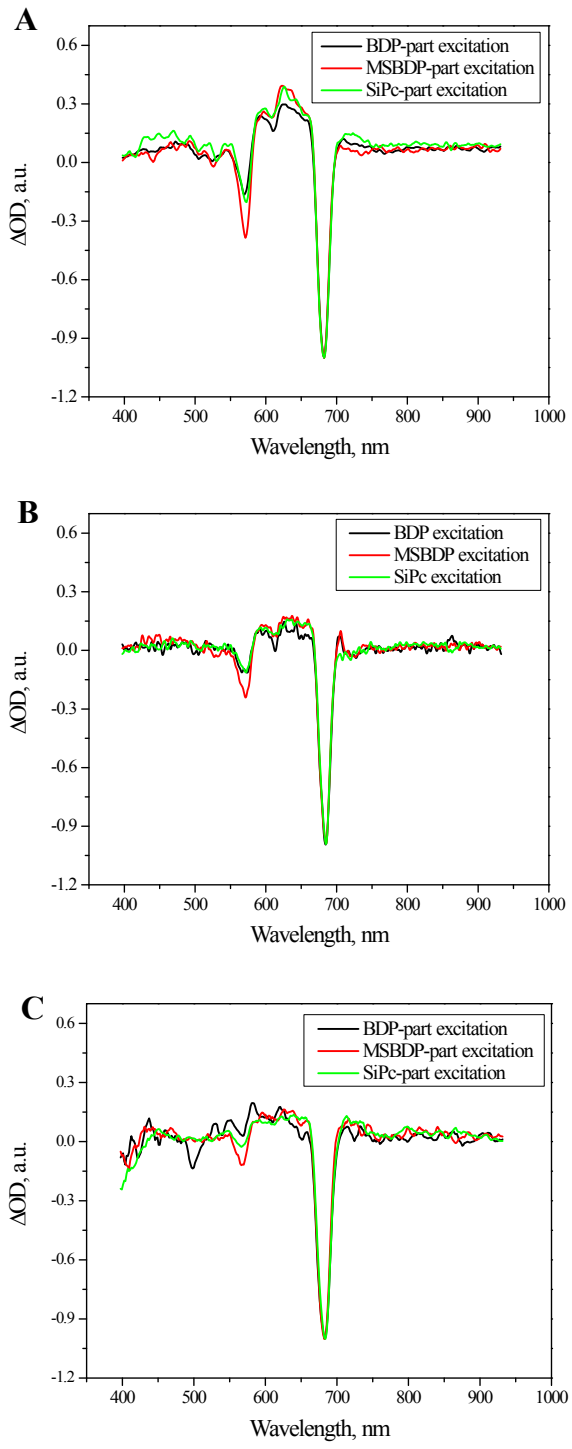


Fig. S2 Transient absorption spectra of **4** in toluene (A), $CHCl_3$ (B) and DMF (C) upon BDP-, MSBDP- and SiPc-part excitation. Spectra are normalised at the negative SiPc ground state bleaching signal and recorded directly after excitation.

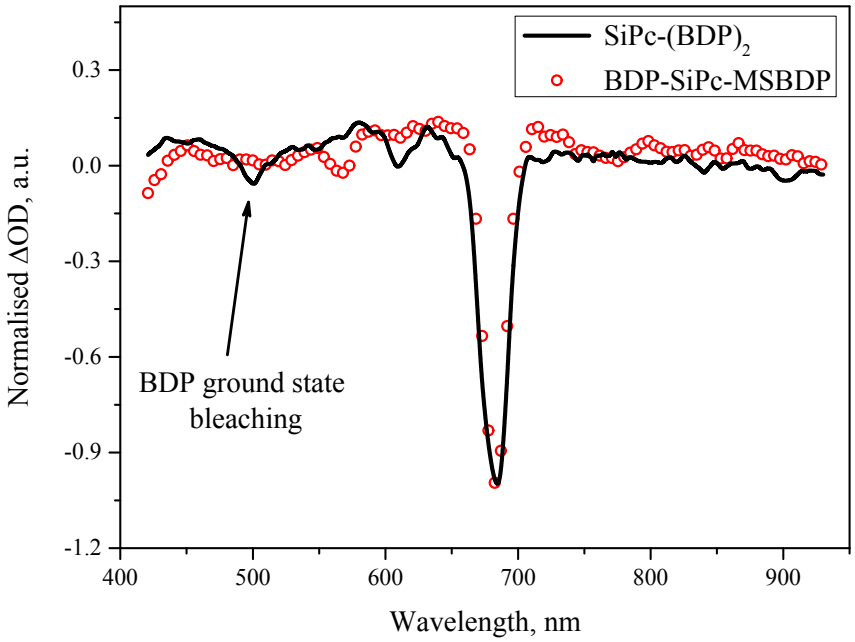
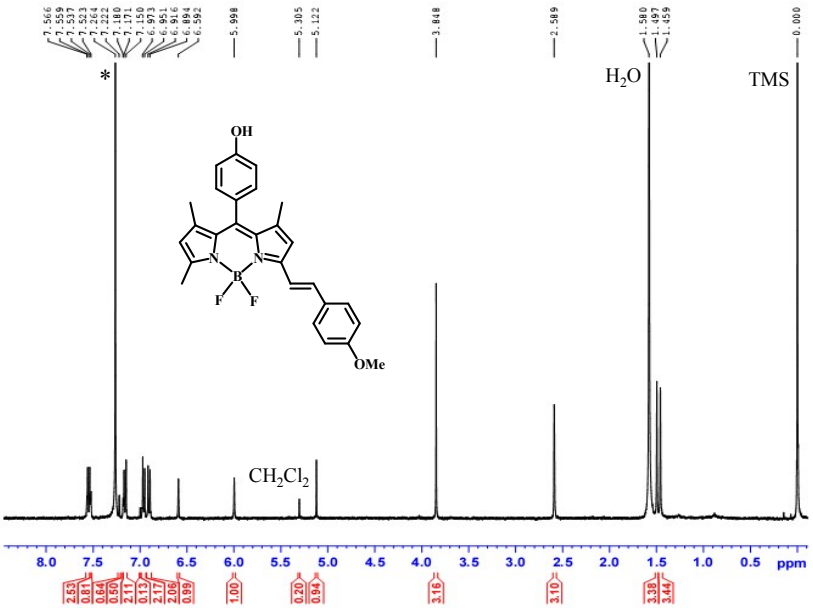


Fig. S3 Transient absorption spectra of $SiPc(BDP)_2$ and triad **4** in DMF upon SiPc-part excitation.

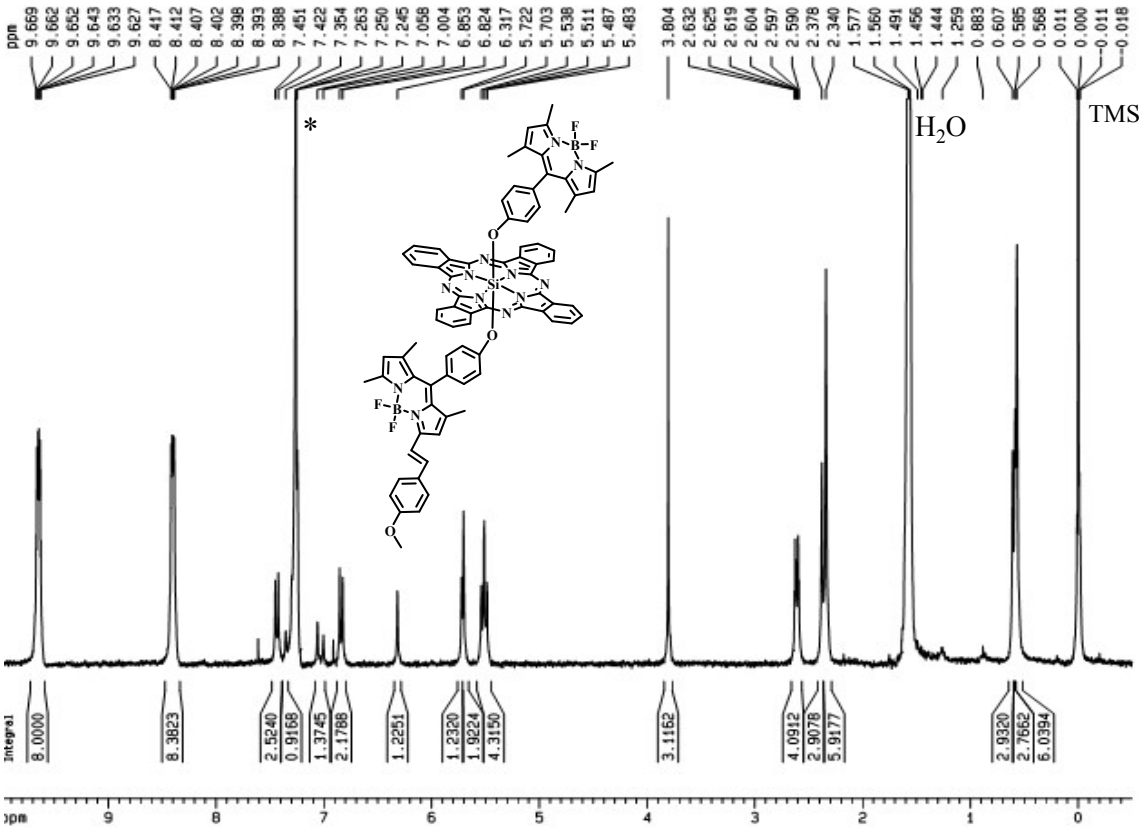
Table S1 Electrochemical data for the triad **4** and the reference compounds **1**, **2** and **3.**[a]

Compound	E_{red} / V	E_{ox} / V
4	-0.56, -1.11, -1.40	0.87, 1.12
1	-1.21	1.05
2	-1.12	0.92
3	-0.57, -1.11	1.13

[a] Recorded with $[Bu_4N][PF_6]$ as electrolyte in DMF (0.1 M) at ambient temperature with a scan rate of 100 mV s^{-1}. Potentials were referenced to SCE using ferrocene as an internal standard ($E_{1/2}$ = + 0.38 V *vs*. SCE).



^{1}H NMR spectrum of MSBDP **2** in $CDCl_3$



^{1}H NMR spectrum of triad **4** in $CDCl_3$