

## Supporting Informations

### **Supramolecular BODIPY-Zn(II)-Bisporphyrin Dyad and Trinitrofluorenone Encapsulated Triad as Models of Antenna-reaction Center: Synthesis, Structure and Photophysical Properties**

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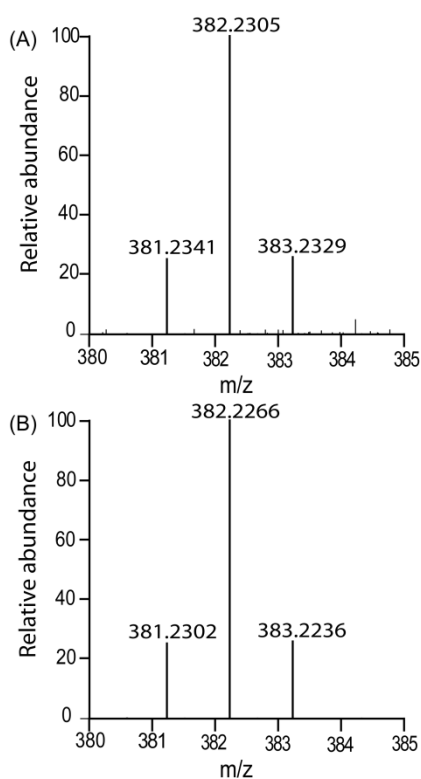


Fig. S1. Isotopic distribution of the (A) experiment and (B) theoretical MS (ESI) of [Py-BDP +H]<sup>+</sup>

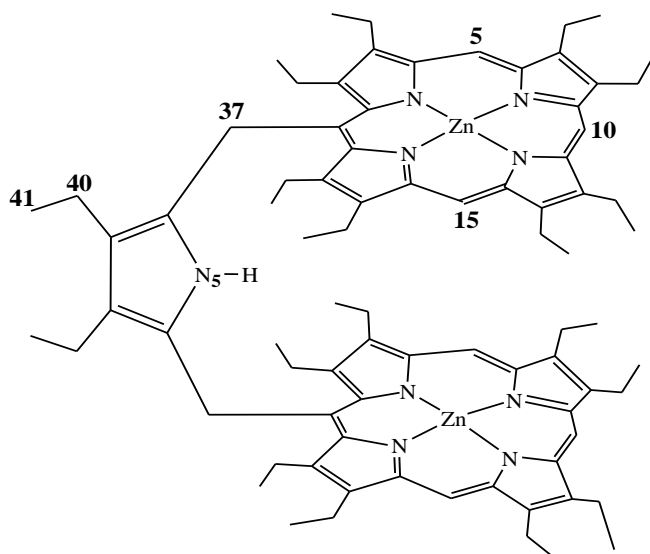


Fig. S2: The numbering schemes of Zn<sub>2</sub>DEP used in the <sup>1</sup>H NMR assignments.

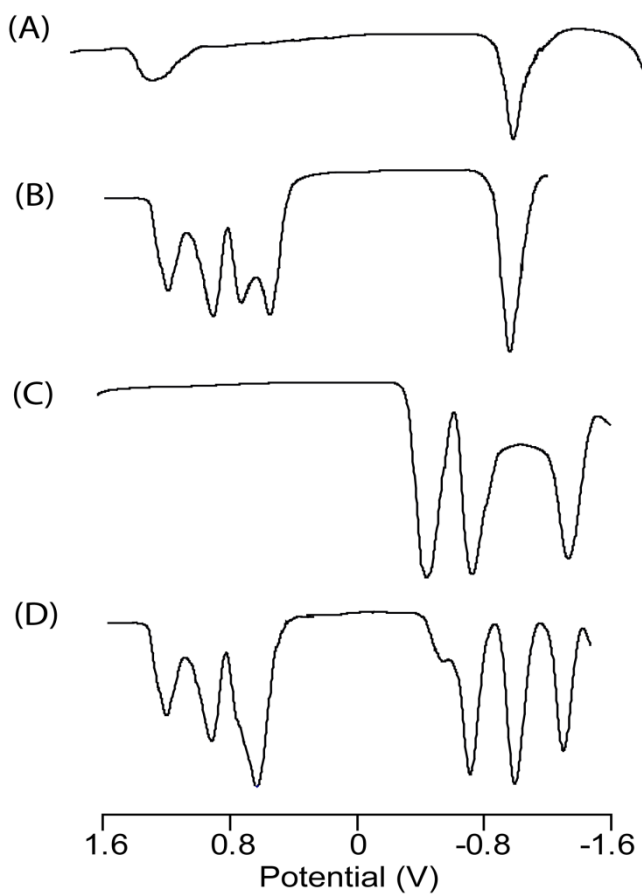
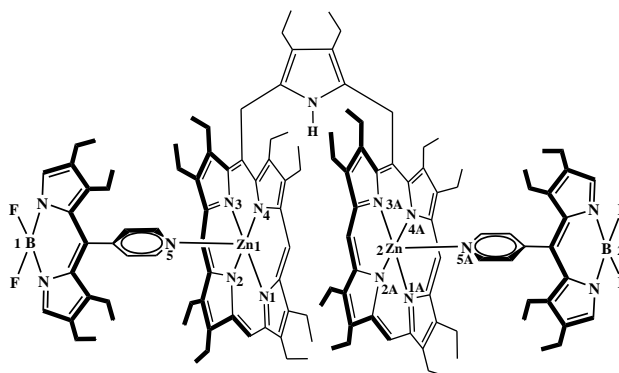


Fig. S3. Difference pulse voltammogram (298 K in CH<sub>2</sub>Cl<sub>2</sub>) of (A) Py-BDP, (B) **2**, (C) TNF and (D) **3**.

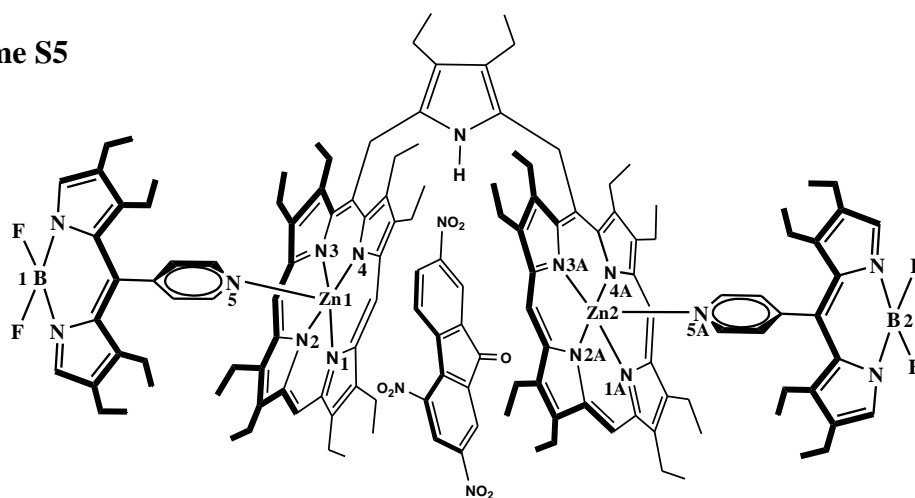
**Scheme S4**



**Table S1.** Computed bond distances (Å) for dyad, **2**

Bond distance	PBE0/LANL2TZ/D-95V
Zn1-N1	2.093
Zn1-N2	2.095
Zn1-N3	2.089
Zn1-N4	2.092
Zn1-N5	2.215
Zn1-B1	9.512
Zn2-N1A	2.095
Zn2-N2A	2.098
Zn2-N3A	2.086
Zn2-N4A	2.085
Zn2-N5A	2.224
Zn2-B2	9.499
Zn1-Zn2	7.058

**Scheme S5**



**Table S2.** Computed bond distances (Å) for triad, **3**

Bond distance	PBE0/LANL2TZ/D-95V
Zn1-N1	2.094
Zn1-N2	2.093
Zn1-N3	2.084
Zn1-N4	2.090
Zn1-N5	2.203
Zn1-B1	9.498
Zn2-N1A	2.094
Zn2-N2A	2.097
Zn2-N3A	2.083
Zn2-N4A	2.097
Zn2-N5A	2.204
Zn2-B2	9.502
Zn1-Zn2	7.434