

SUPPLEMENTARY INFORMATION

**Extensive methodology screening of *meso*-tetrakis-(furan-2-yl)-porphyrin
microwave-assisted synthesis**

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Figure S1. ¹H NMR spectrum of compound **1** (300 MHz, THF-*d*₈)

Figure S2. ¹H NMR spectrum of compound **2** (300 MHz, CDCl₃)

Figure S3. ¹H NMR spectrum of compound **3** (300 MHz, CDCl₃)

Figure S4. ¹H NMR spectrum of compound **5** (300 MHz, THF-*d*₈)

Figure S5. Electronic absorption and photoemission spectra of compounds **1** and **2**

Figure S6. Extinction Coefficients of compounds **1** and **2**.

Figure S7. HPLC-MS analysis of compound **4**.

Figure S8. APCI-MS (positive molality) analysis of compound **4**

Figure S9. HPLC-MS of compound **1**.

Figure S10. IR spectrum of compound **2**.

Figure S9. Epsilon of compounds **1** and **2**.

Figure S1. ^1H NMR spectrum of compound **1** (300 MHz, THF-d_8)

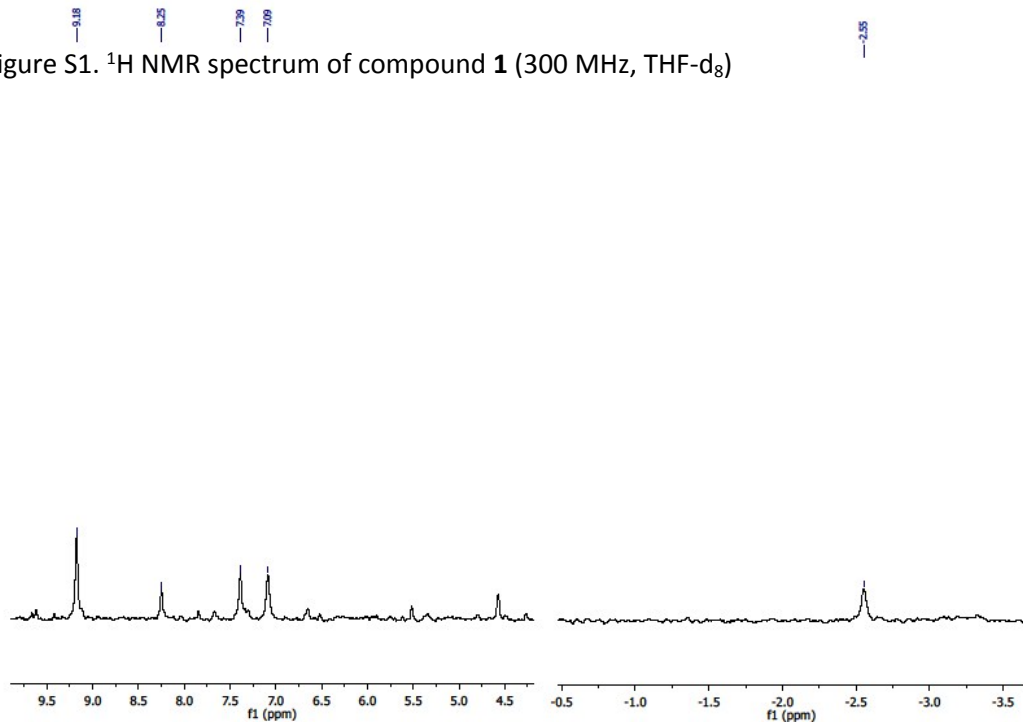
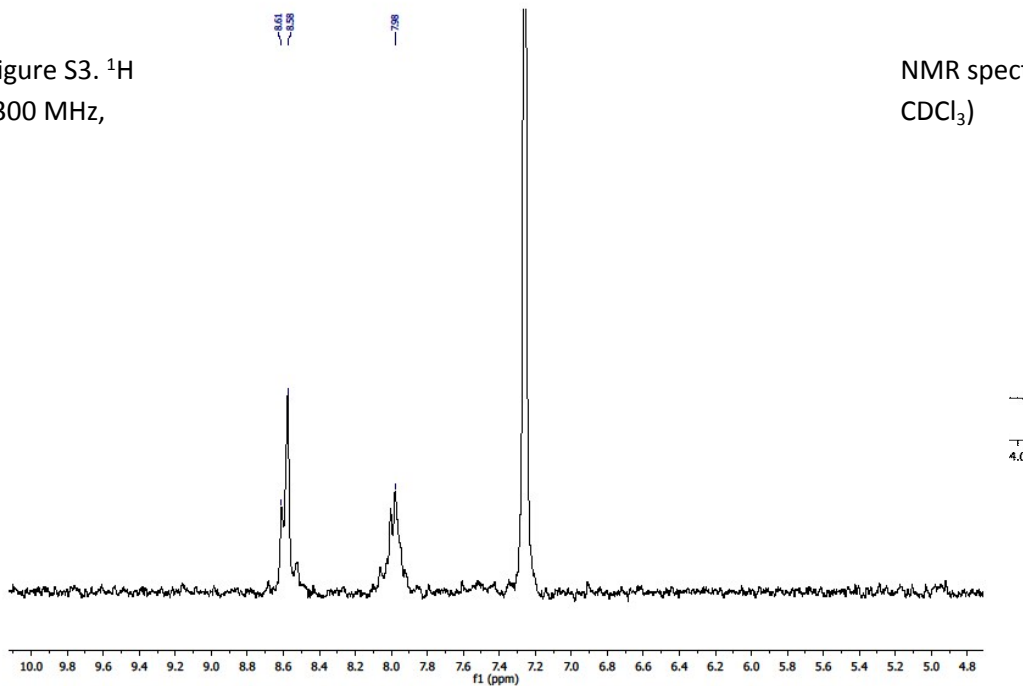


Figure S2. ^1H (300 MHz,



NMR spectrum of compound **2** (CDCl_3)

Figure S3. ^1H (300 MHz,



NMR spectrum of compound **3** (CDCl_3)

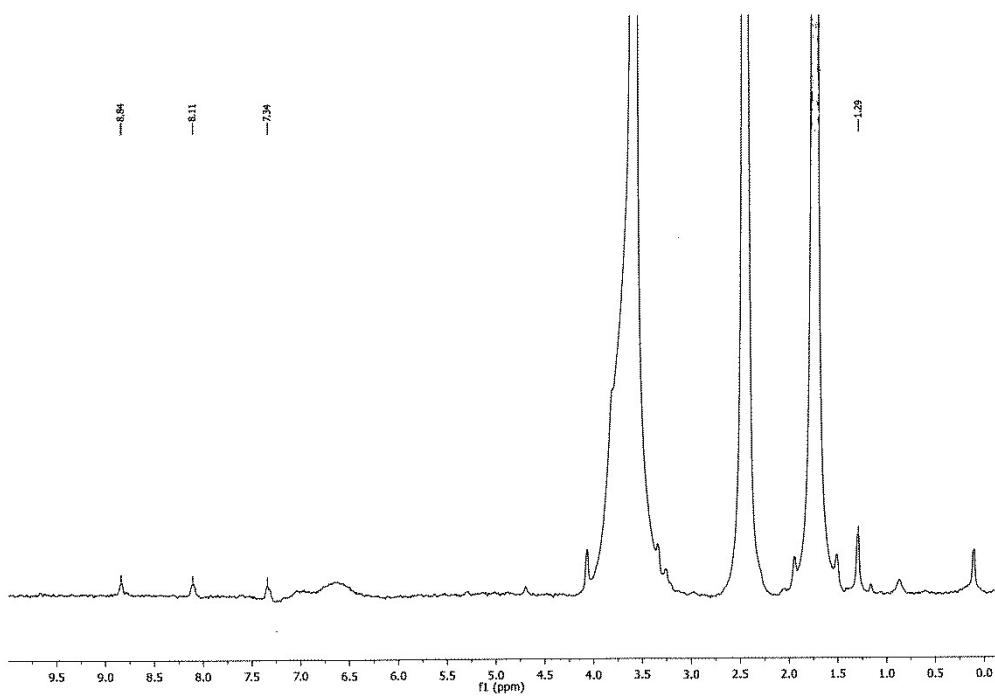


Figure S4. ¹H NMR spectrum of compound **5** (300 MHz, THF-d₈)

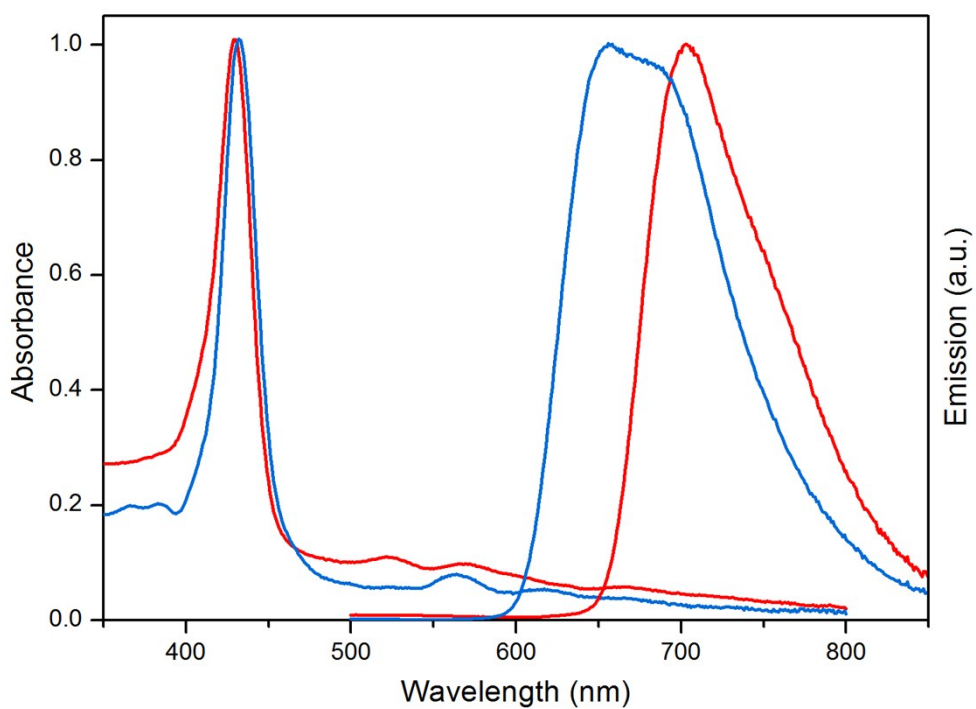


Figure S5. Electronic absorption (left) and photoemission (right) spectra of *meso*-tetrakis-(furan-2-yl)-porphyrin (red) and Zn(II)-*meso*-tetrakis-(furan-2-yl)-porphyrin (blue) in THF solution.

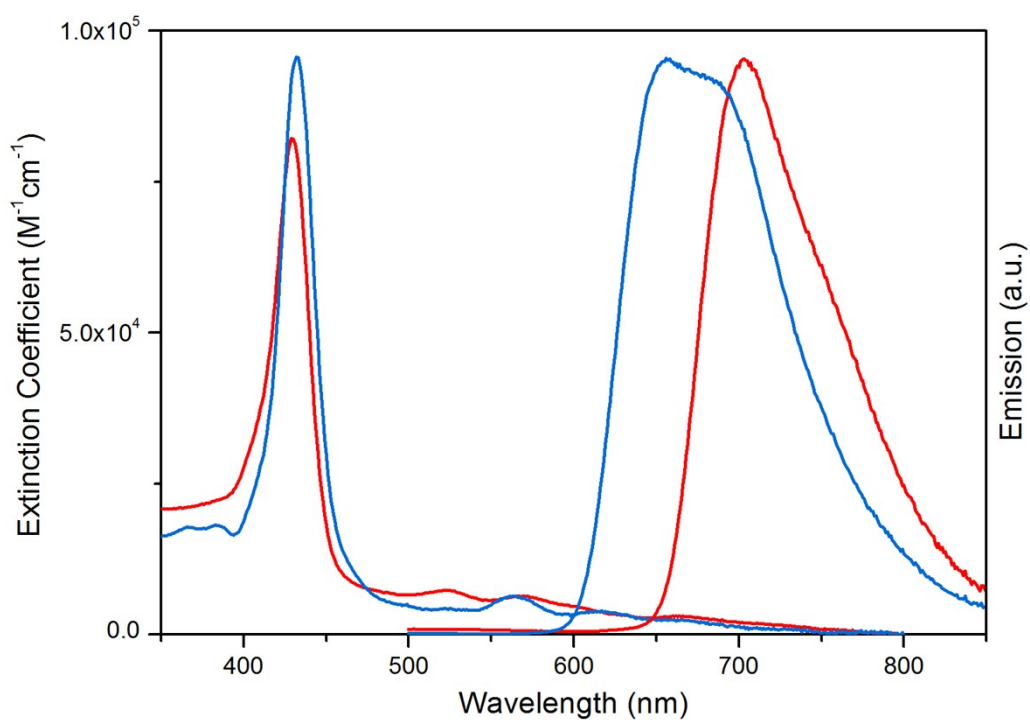


Figure S6. Extinction Coefficient (left) and photoemission (right) spectra of *meso*-tetrakis-(furan-2-yl)-porphyrin (red) and Zn(II)-*meso*-tetrakis-(furan-2-yl)-porphyrin (blue) in THF solution.

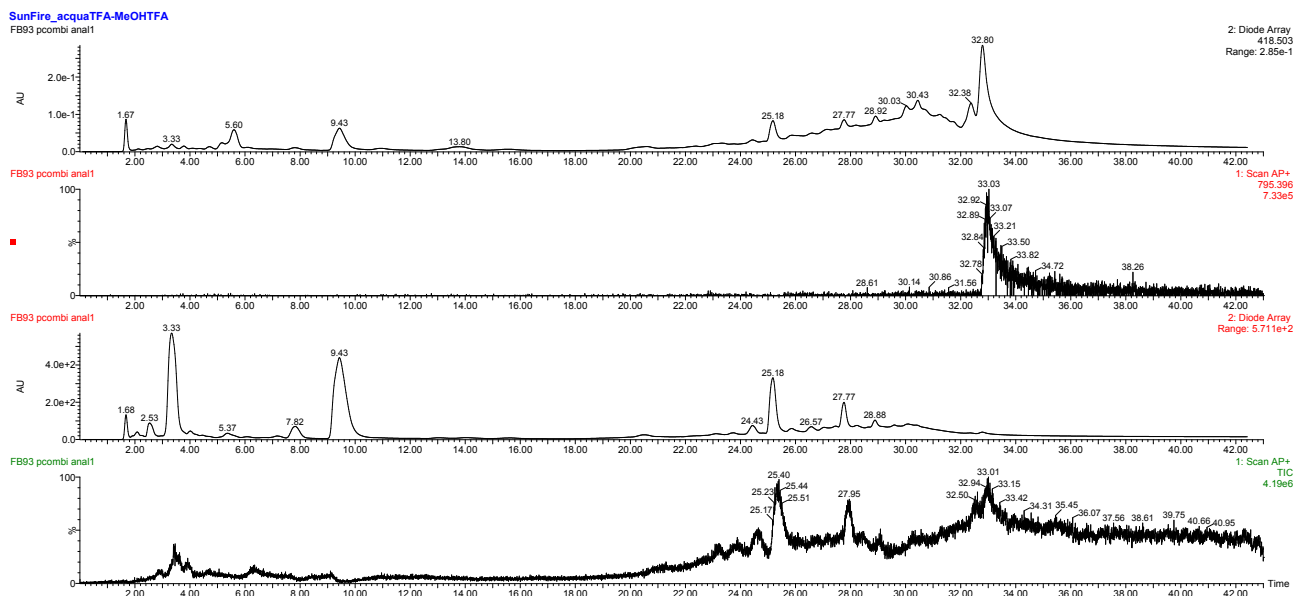


Figure S7. HPLC-MS analysis of compound 4.

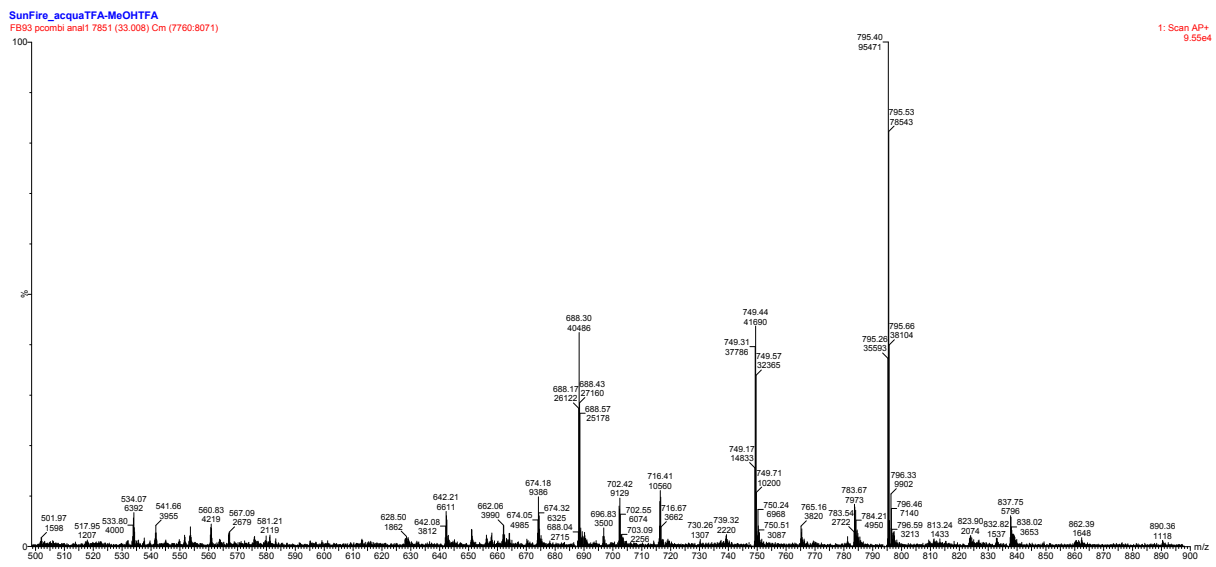


Figure S8. APCI-MS (positive molality) analysis of compound 4

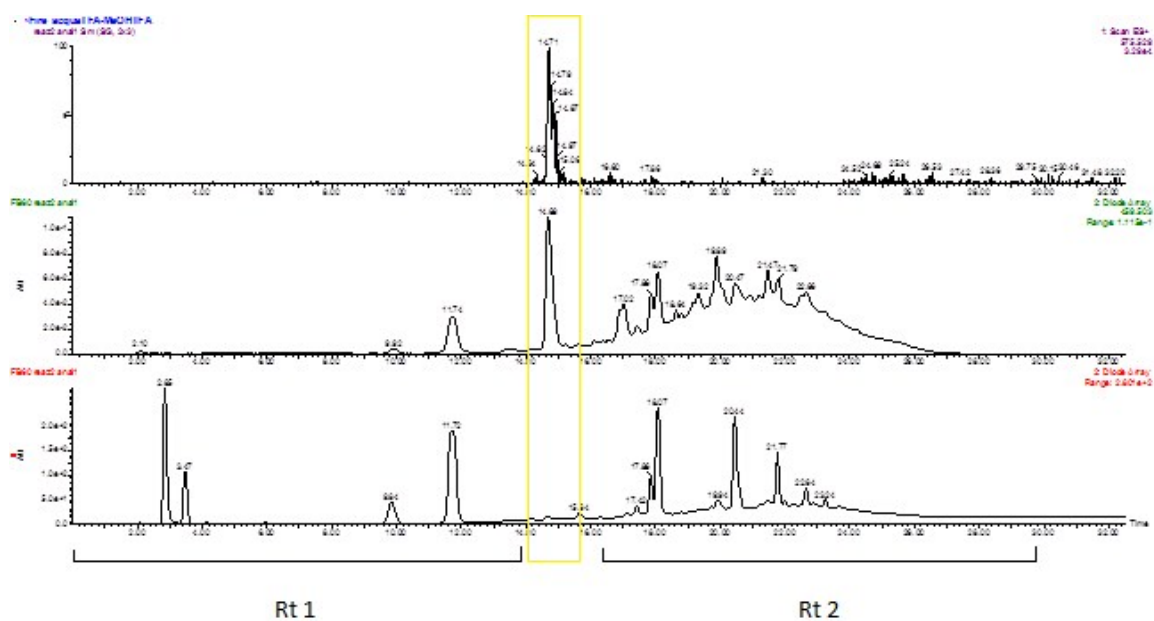


Figure S9. HPLC-MS of compound 1. Upper trace: ESI+ profile of m/z= 575.5 (peak of interest); middle trace: UV profile at 459.5 nm; bottom trace: Diode array max plot. Rt1 and Rt2 indicate the two regions considered in the impurity analysis.

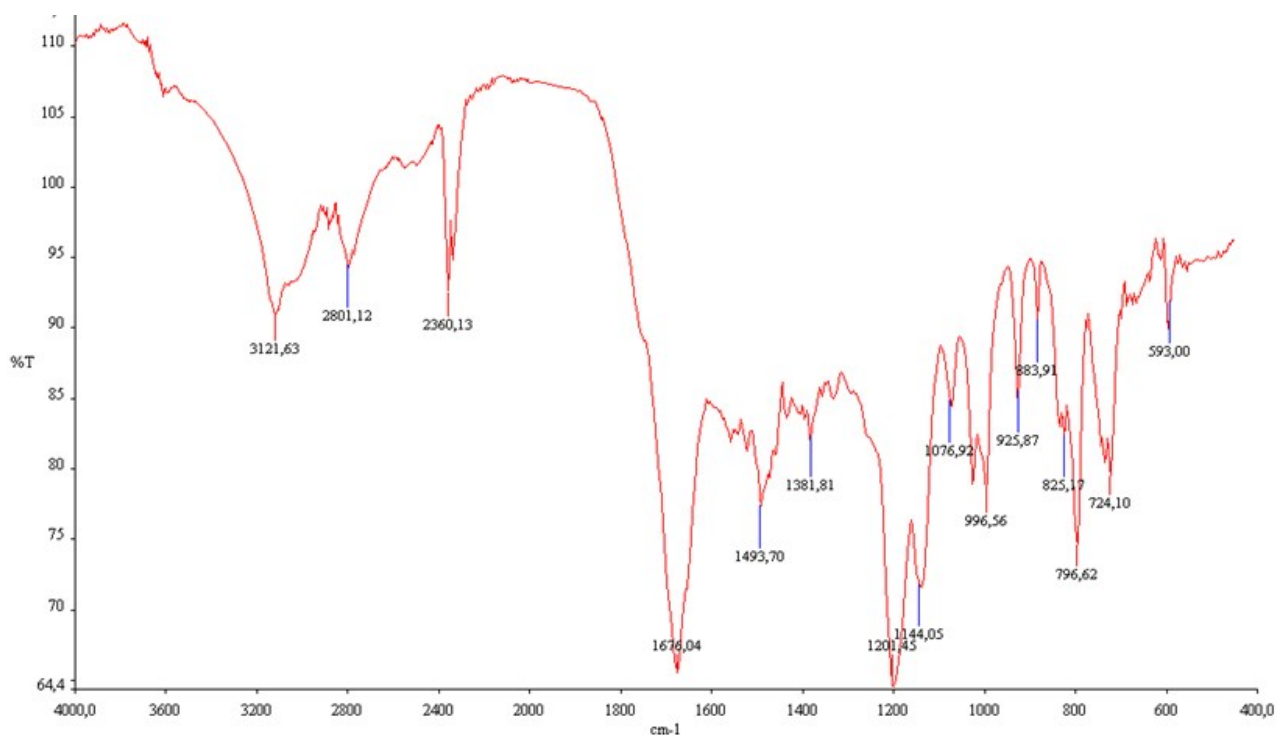


Figure S10. IR spectrum of compound 2.