Supporting Information

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Dihedral-angle Modulation of meso-meso Linked Zn(II) Diporphyrin through Diamine Coordination and Its Application to Reversible Switching of Excitation Energy Transfer**

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Supporting Information 1

Plots of $[nDA]$ versus $\Delta A_{570}$ for 1 (3.5 $\times$ 10^{-6} M): n = 2, 4–10, 12.
Supporting Information 2

Plot of $I / I_0$ at 657 nm for 4 (1.8 x $10^{-6}$ M) versus [7DA ] and [ AcOH ] in the presence of 7DA (6.7 x $10^{-6}$ M)
Supporting Information 3

Job’s plots: The sum $[1] + [7\text{DA}]$ (a) or $[1] + [10\text{DA}]$ (b) was kept constant ($2.7 \times 10^{-4}$ M)
Supporting Information 4

Time profiles of transient absorption spectra for 4 at 450 nm (a) and 500 nm (b) in toluene.
Supporting Information 5

Time profile of transient absorption spectra for 4-7DA complex at 462 nm in toluene

$\tau = 10 \pm 2 \text{ ps}$
Fig. Fluorescence spectra of 1 (3.5 x 10^{-6} M) plus 5DA (8.0 x 10^{-6} M) (a) and 7DA (2.9 x 10^{-2} M) (b)
Transient absorption spectra of 5,15-diaryl free base porphyrin in toluene taked for excitation at 580 nm. Bleaching at 500 nm was characteristic for its S1-state.