Supporting Information

**Spectral and Electrochemical Investigation of *p-*Sulfonatocalix[4]arene Stabilized Vitamin E Aggregation**

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**Figure S1.** UV-Visible absorption spectrum of p-SC4 (1 × 10-4M)

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**Figure S2.** Normalized UV-Visible absorption (green) and fluorescence spectrum (pink) of α-T (Excitation wavelength 290 nm)

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**Figure S3.** Modified Stern-Volmer plot for binding constant calculation.

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Figure S4. Stern-Volmer plot for quenching constant calculation.

The excited state lifetime of α-T is already reported as 1.8 ns.[1]

Figure S5. Benesi–Hildebrand plot of 1/IHG −IG vs.1/[p-SC4] for binding constant calculation.

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Figure S6.1H NMR spectrum of p-SC4 in D2O.The water moleculepeak (4.8 ppm) was removed.

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Figure S7. 1H NMR spectrum of α-Tin CDCl3.

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Figure S8.1H NMR spectrum of α-T/p-SC4 complexin DMSO-d6.

**References**

[1] L. Packer, *Vitamin E in Health and Disease: Biochemistry and Clinical Applications*, Taylor & Francis, **1992**.