

Supporting Information for:

Hydrogen-bonding Driven Luminescent Assembly and Efficient Förster Resonance Energy Transfer (FRET) in Dialkoxynaphthalene-Based Organogel

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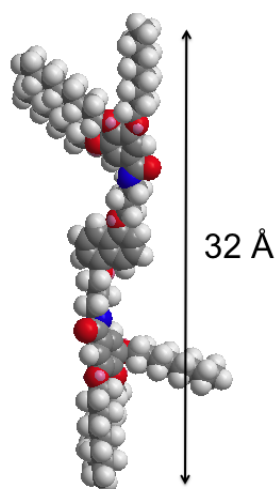


Fig. S1: Energy minimized structure of **DAN-1** obtained by molecular modeling using Chem 3D-ultra 8 using MM2 for energy minimization

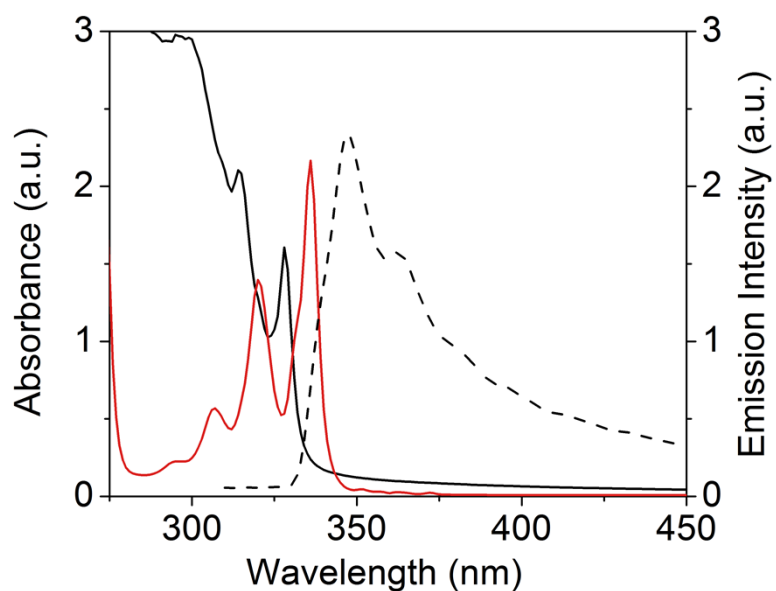


Fig. S2: Absorption (black solid line) and emission spectra (black dotted line) of **DAN-1** gel (in MCH, 2.0 mM) and absorption spectra (red solid line) of pyrene in MCH (2.0×10^{-4} M)

Table S1: Fluorescence lifetime data for **DAN-1** in (a) gel state (in MCH, 2 mM) and (b) sol State (in THF, 2 mM) $\lambda_{\text{ex}} = 295$ nm, emission was monitored at 346 nm

Sample	Component Lifetimes (ns) ^a		
	τ_1	τ_2	τ_{avg}
a) Gel	3.09 (48 %)	6.07 (52%)	5.11
b) Sol	7.2 (100%)		7.2

^aValues in parenthesis shows the decay contribution in each life times. Average life time (in the gel state) was calculated using the following equation[1]: $\tau_{\text{avg}} = (a_1\tau_1^2 + a_2\tau_2^2) / (a_1\tau_1 + a_2\tau_2)$

Reference

1. Lakowicz JR (1999) Principles of Fluorescence Spectroscopy (2nd ed.). Kluwer Academic/Plenum Publishers, New York.