Designing expanded bipyridinium as redox and optical probes for DNA

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SUPPORTING INFORMATION

Figure S1. Emission changes of 4 (4.6 x 10^{-6} M) as a function of [poly(dA-dT)$_2$] concentration at $T = 298$ K and pH 7 (phosphate buffer, $1 \times 10^{-3}$ M; NaCl, $2.1 \times 10^{-2}$ M).

Figure S2. Emission changes of 4 (4.6 x 10^{-6} M) as a function of [poly(dG-dC)$_2$] concentration at $T = 298$ K and pH 7 (phosphate buffer, $1 \times 10^{-3}$ M; NaCl, $2.1 \times 10^{-2}$ M).
Figure S3. Complete 3D TAS matrices of 4 in phosphate buffer in linear scale vs time (A); 4 in presence of an excess of DNA in linear (B left) and logarithmic (B right) scale; 4 in presence of an excess of [poly(dG-dC)$_2$] in linear (C left) and logarithmic (C right) scale; 4 in presence of an excess of [poly(dA-dT)$_2$] in linear (D left) and logarithmic (D right) scale.