Electronic Supplementary Information

**Excited-State Dynamics of Mononucleotides and DNA Strands in a Deep Eutectic Solvent**

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![Graph](image.png)

**Fig. S1.** UV absorption spectrum of glyceline recorded in a 1 mm path length cell.
Fig. S2. Transient absorption signals from neat glyceline at probe wavelengths of 570 nm (a) and 250 nm (b), following excitation at 267 nm.

Fig. S3. Raw transient absorption signals for (a) 5’-AMP, (b) 5’-TMP, and (c) d(AT)$_9$·d(AT)$_9$ in glyceline at a probe wavelength of 570 nm before solvent subtraction. In panel (a), the solvent signal has been scaled to match the 5’-AMP signal from 20 ps to 3 ns. In panels b and c, a 5’-AMP solution was prepared to give equal absorbance at 265 nm as the sample, then the solvent signal was scaled to tail match the 5’-AMP signal.