

Structural Stabilization of DNA-templated Nanostructures: Crosslinking with 2,5-bis(2-Thienyl)pyrrole Monomers

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Table S-1. ESI Mass analysis of DNA oligomers.

DNA	calculated	obtained
1	6392.2	6392.0
2	6463.2	6463.0
3	6663.6	6663.0
4	6734.6	6735.0
5	7006.0	7006.0
6	8176.8	8177.0
7	8234.8	8235.0
8	9675.0	9675.0
9	9751.1	9750.0

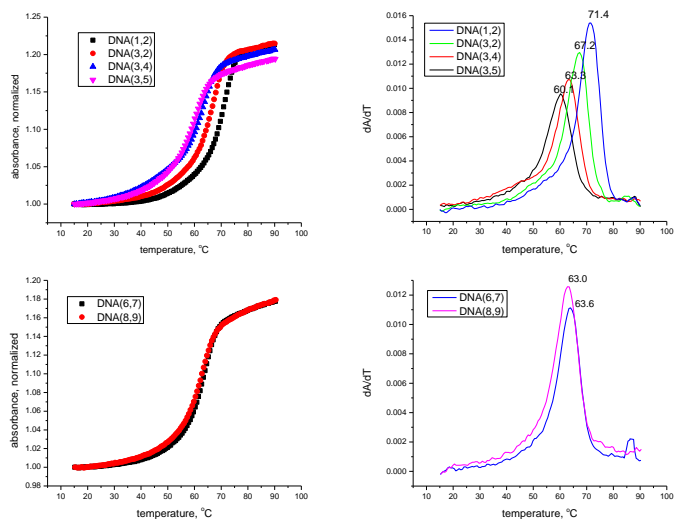


Figure S-1. Melting profiles of SNS-DNA duplexes.

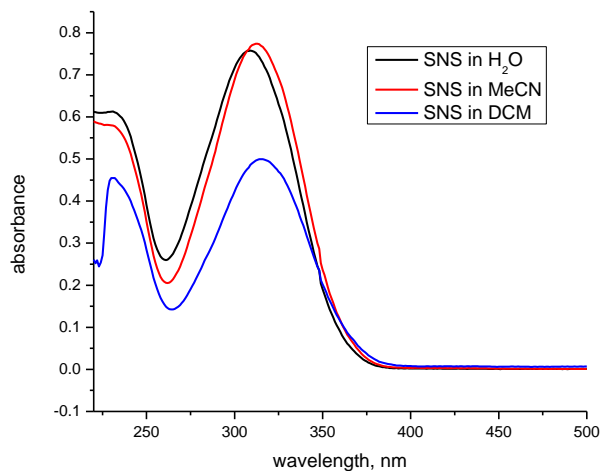


Figure S-2. UV-Vis absorption spectra of SNS in different solvents: water (H₂O), acetonitrile (MeCN), and dichloromethane (DCM).

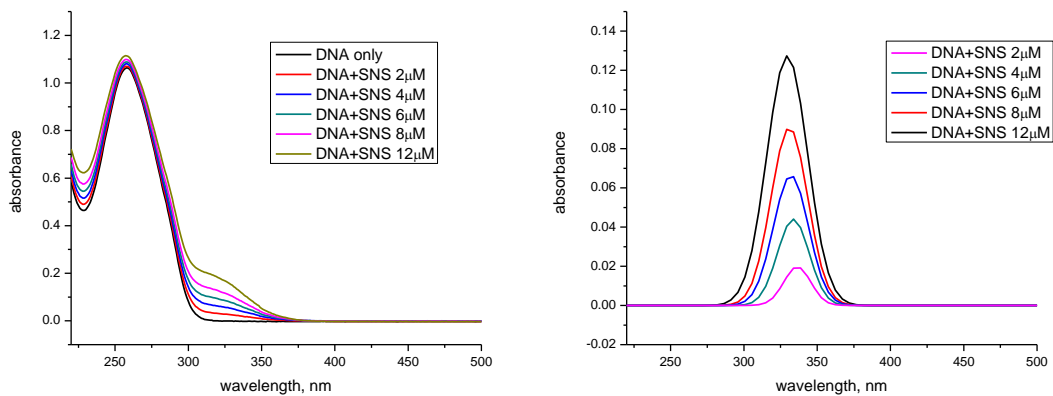


Figure S-3. UV-Vis absorption spectra of the mixture of DNA and SNS (0-12 μM) in 10 mM citrate buffer containing 200 mM NaCl at pH 4.5.

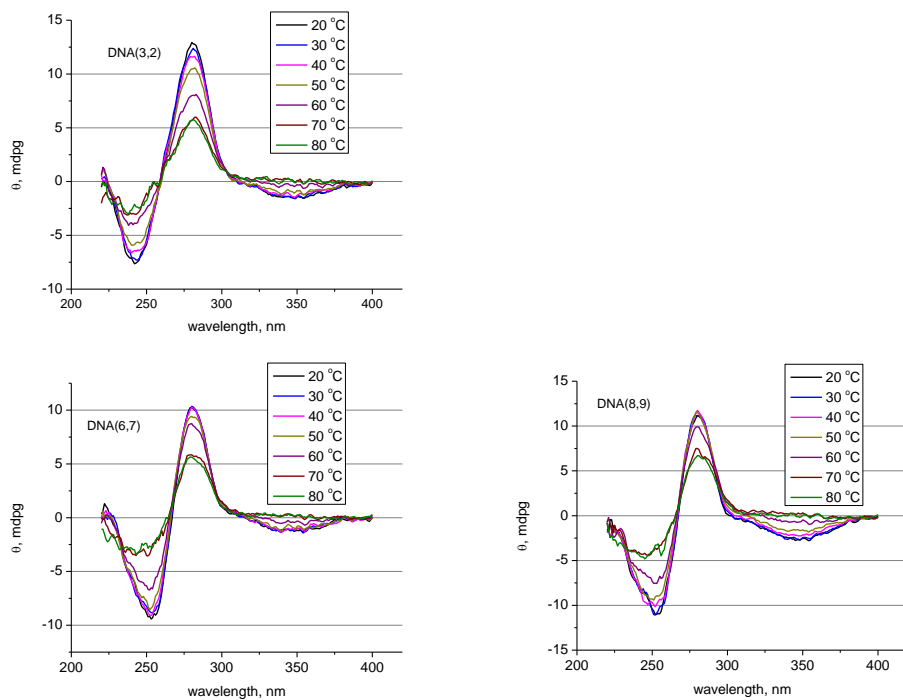


Figure S-4. CD spectra of SNS-DNA duplexes at varied temperature from 20 °C to 80 °C.

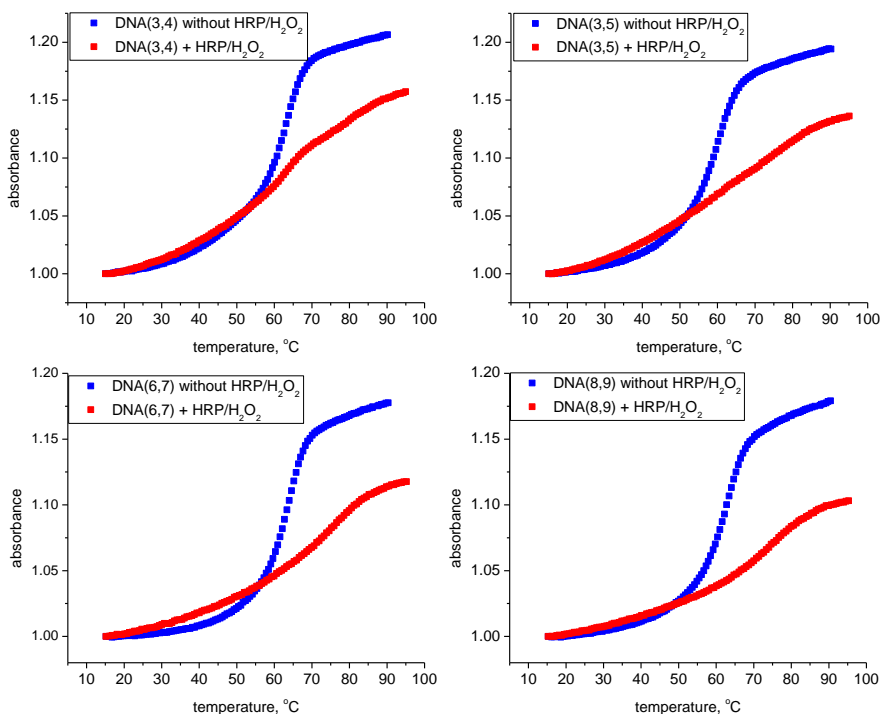


Figure S-5. The melting profiles of SNS-DNA duplexes before and after the reaction with HRP/H₂O₂.

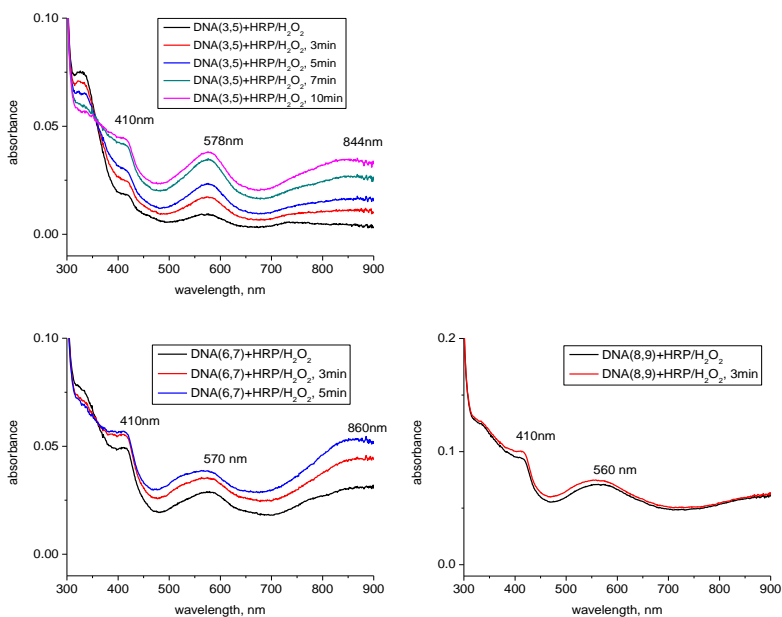


Figure S-6. UV-Vis spectra of SNS-DNA after the addition of HRP/H₂O₂.

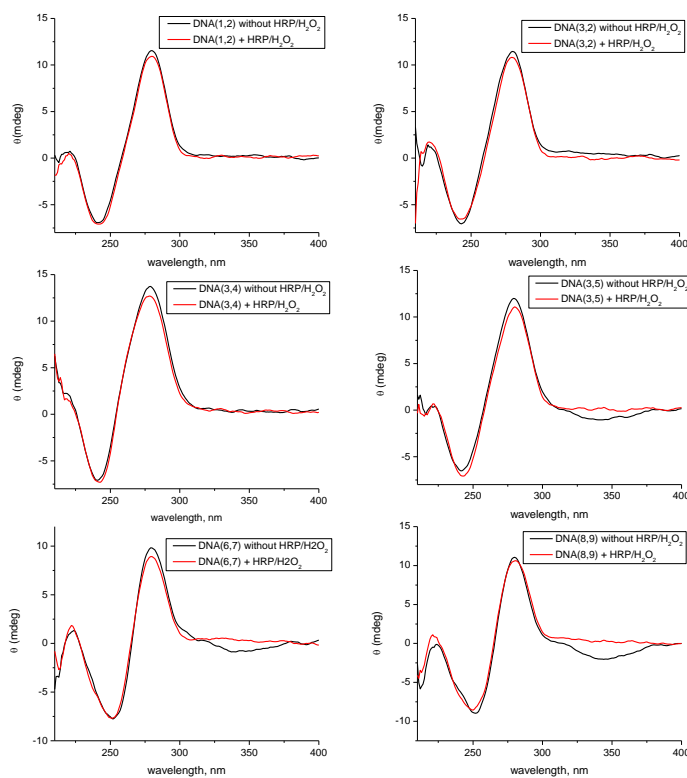


Figure S-7. CD spectra of SNS-DNA duplexes before and after the reaction with HRP/H₂O₂.

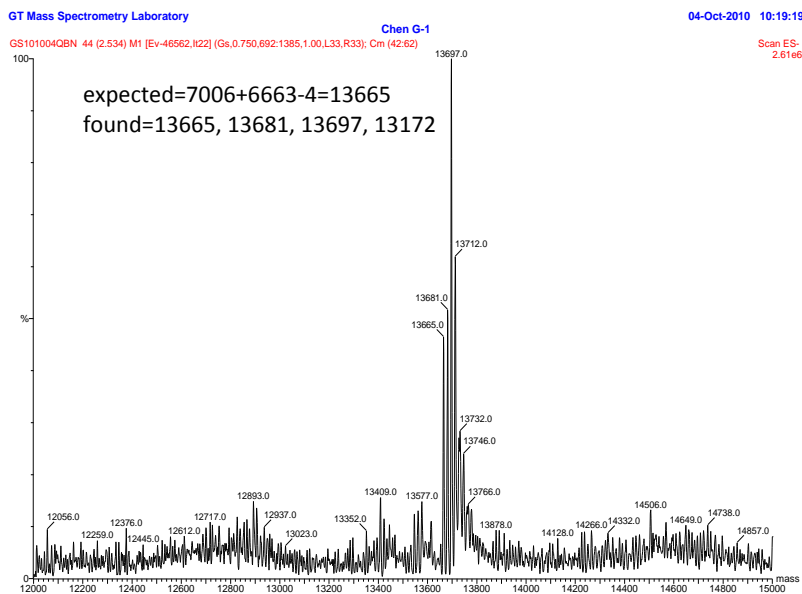


Figure S-8. Mass spectrometric analysis of crosslinked DNA(3,5).