## Synthesis of a Redox-Responsive Quadruple Hydrogen-Bonding Unit 2 for Applications in Supramolecular Chemistry

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A redox-responsive quadruple hydrogen- bonding module (eDAN) has been developed. The strong binding between the reduced form and its partner (DeUG) can be significantly decreased upon oxidation but restored upon subsequent reduction. This on-off switch was successfully applied to provide reversible control of macroscopic hydrogen-bonded supramolecular polymer networks.

