An Extended Polythiophene with Interesting Core Synthesis

**Significance:** A novel extended polythiophene derivative 4 was synthesized ($M_n = 18$ kDa, PDI = 2.3). The key step in the monomer synthesis (1 → 2) is accomplished in 78% yield by a novel base-induced cyclization.

**Comment:** The authors attempted to synthesize a homopolymer of the brominated analogue of 3 via a nickel-catalyzed dehalogenation, but a soluble polymer could not be obtained. The optical and electronic properties of 4 were found to be very similar to those of poly(3-hexylthiophene).