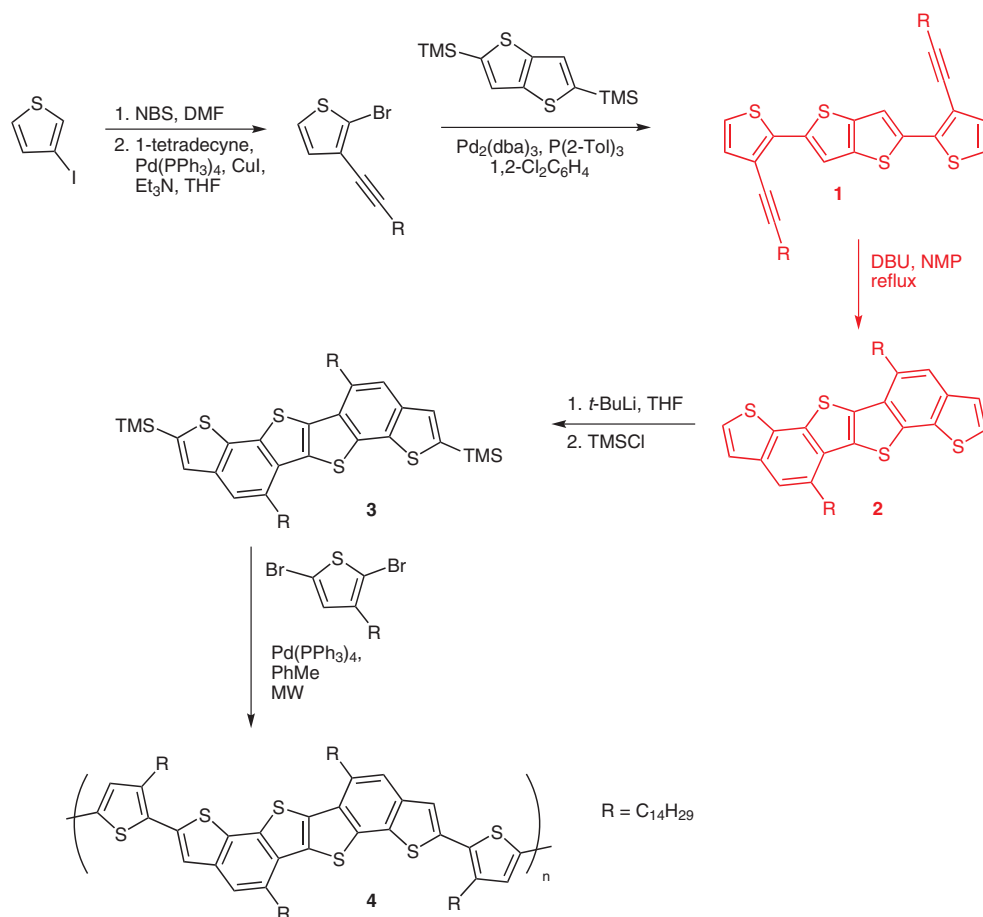


## An Extended Polythiophene with Interesting Core Synthesis



**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).