Taking the Dimers Out of Diazaheptacenes

**Significance:** The authors have successfully designed, synthesized, and isolated the first persistent azaheptacene. The diazaheptacene in this work required four Si(\( \text{Bu} \))\(_3\)-ethynyl groups to effectively prevent dimerization upon oxidizing to the final product 4.

**Comment:** The key synthetic step was the fast oxidation using manganese oxide to convert 3 into 4, which was carried out for no longer than forty seconds. The product 4 was stable for approximately one hour, after which dimerization products were detected. Alternative trialkylsilyl-ethynyl groups, such as the TIPS-ethynyl group, proved ineffective at impeding dimerization.