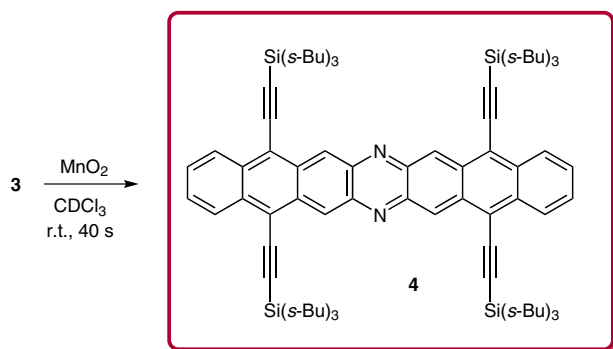
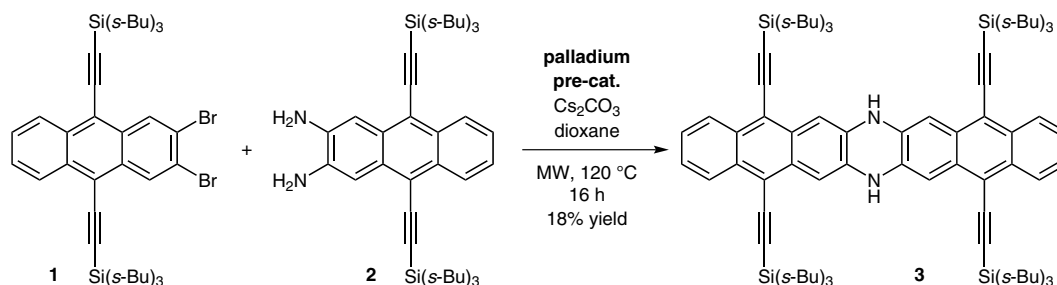
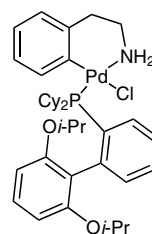


Taking the Dimers Out of Diazaheptacenes



palladium pre-cat.



Significance: The authors have successfully designed, synthesized, and isolated the first persistent azaheptacene. The diazaheptacene in this work required four Si(*s*-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.