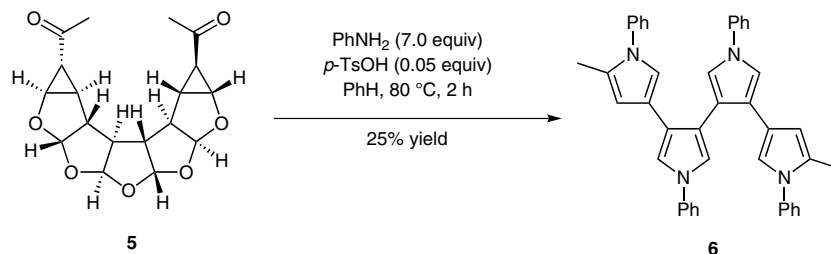
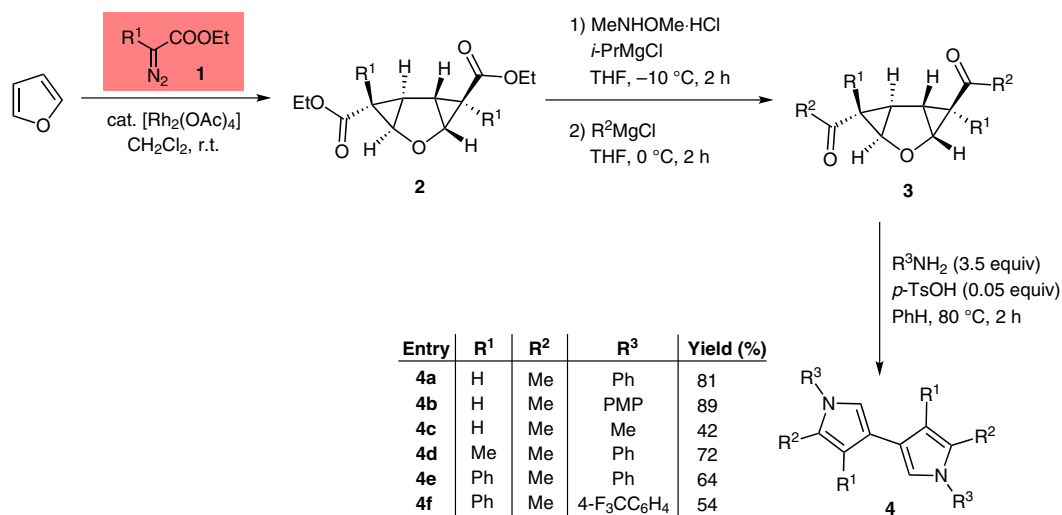


Precisely Defined Electron-Rich Oligopyrroles



Significance: The authors report the synthesis of 3,3'-linked oligopyrroles through the domino ring-enlargement of cyclopropanes. In one step, furan is converted into **2**, which is subsequently transformed into diketone **3** via Weinreb-ketone synthesis. Refluxing with catalytic acid in benzene with an aniline, yielded the desired bispyrrole products **4**. Unsurprisingly, the electron-rich anilines provided significantly higher yields than the electron-poor anilines.

Comment: Extended oligoacetalic diketone **5** was synthesized and subsequently converted into quarter-pyrrole **6** in 25% yield. This is the first electron-rich, precisely defined oligopyrrole reported and it is noteworthy due the inherent instability of electron-rich oligopyrrolic systems.