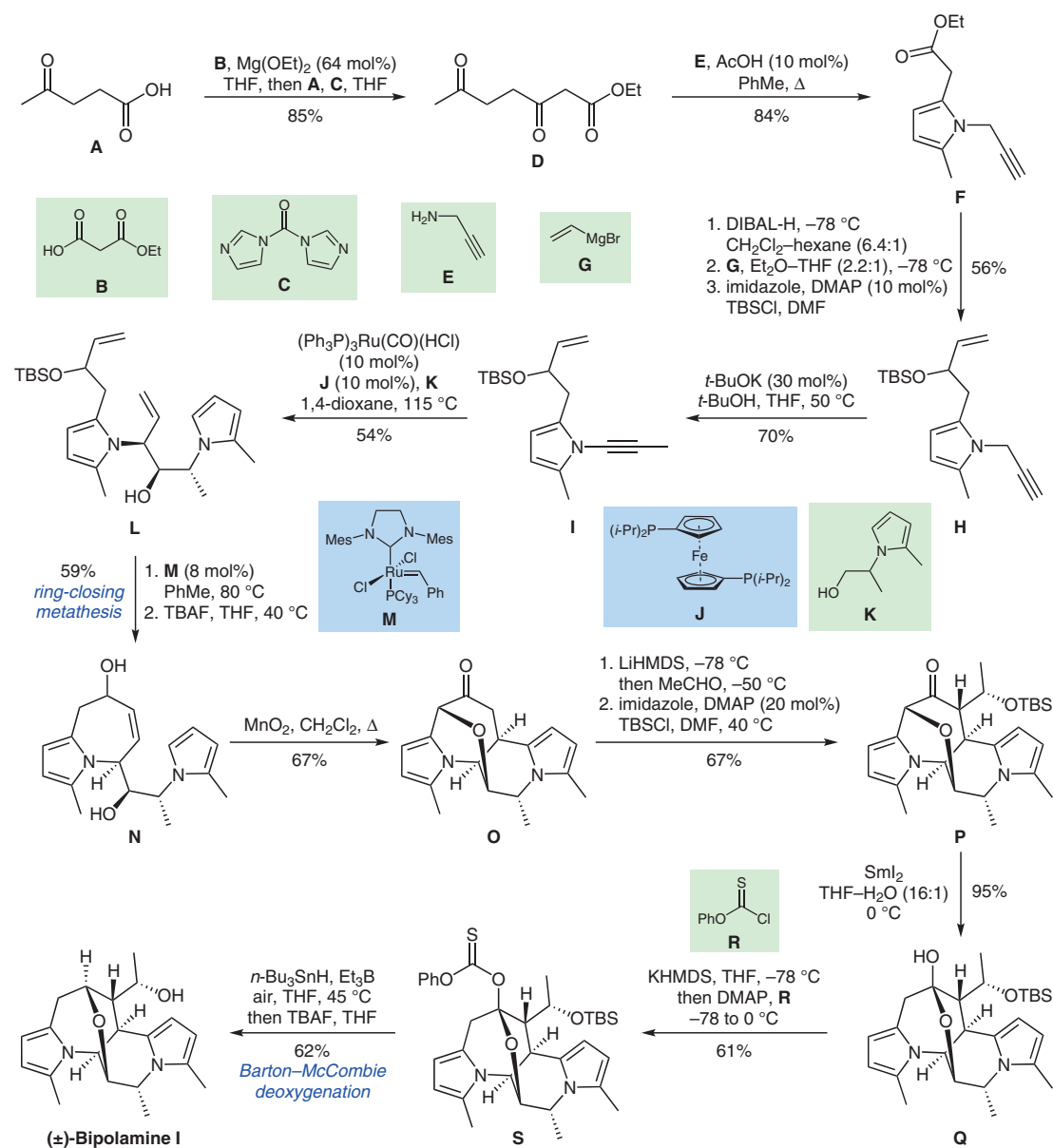


## Total Synthesis of Indolizidine Alkaloid (±)-Bipolamine I



**Significance:** Pierce and Qiu report the first total synthesis of (±)-bipolamine I. The polypyrrole-containing subclass of indolizidine alkaloids is active against a variety of Gram-positive and -negative bacterial pathogens.

**Comment:** Cycloheptenol **N** is accessed in nine steps from acid **A**. The sequence features allylation of **I** with **K**, followed by ring-closing metathesis of **L**. MnO<sub>2</sub> oxidation of **N** results in formation of bridged ether **O**, and treatment with Sml<sub>2</sub> leads to hemiacetal **Q**. A final Barton deoxygenation affords (±)-bipolamine I.