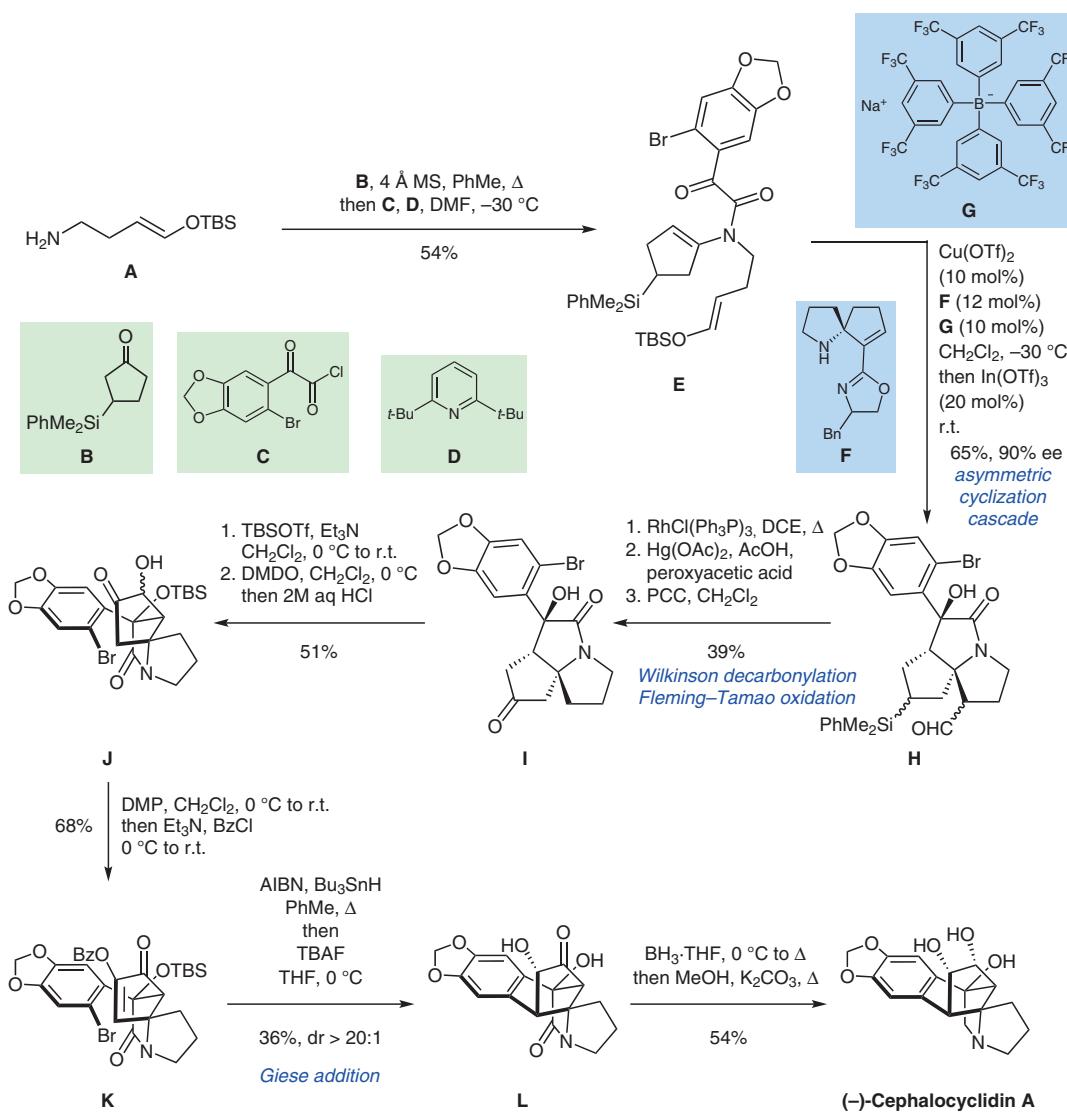


Total Synthesis of (-)-Cephalocyclidin A



Significance: Zhang, Tu and co-workers report a concise total synthesis of (-)-cephalocyclidin A. Key to their approach is a Cu(II)-catalyzed enantioselective polycyclization cascade of tertiary enamides with terminal silyl enol ethers. The development and scope of this methodology is also reported in the highlighted paper.

Comment: Enamide **E** undergoes an intramolecular cyclization cascade to give **H** via nucleophilic attack of the enamine onto the carbonyl and subsequent trapping of the generated iminium with the enol ether. A second salient feature is the Giese addition, from **K** to **L**, furnishing the last carbocycle in the caged natural product.