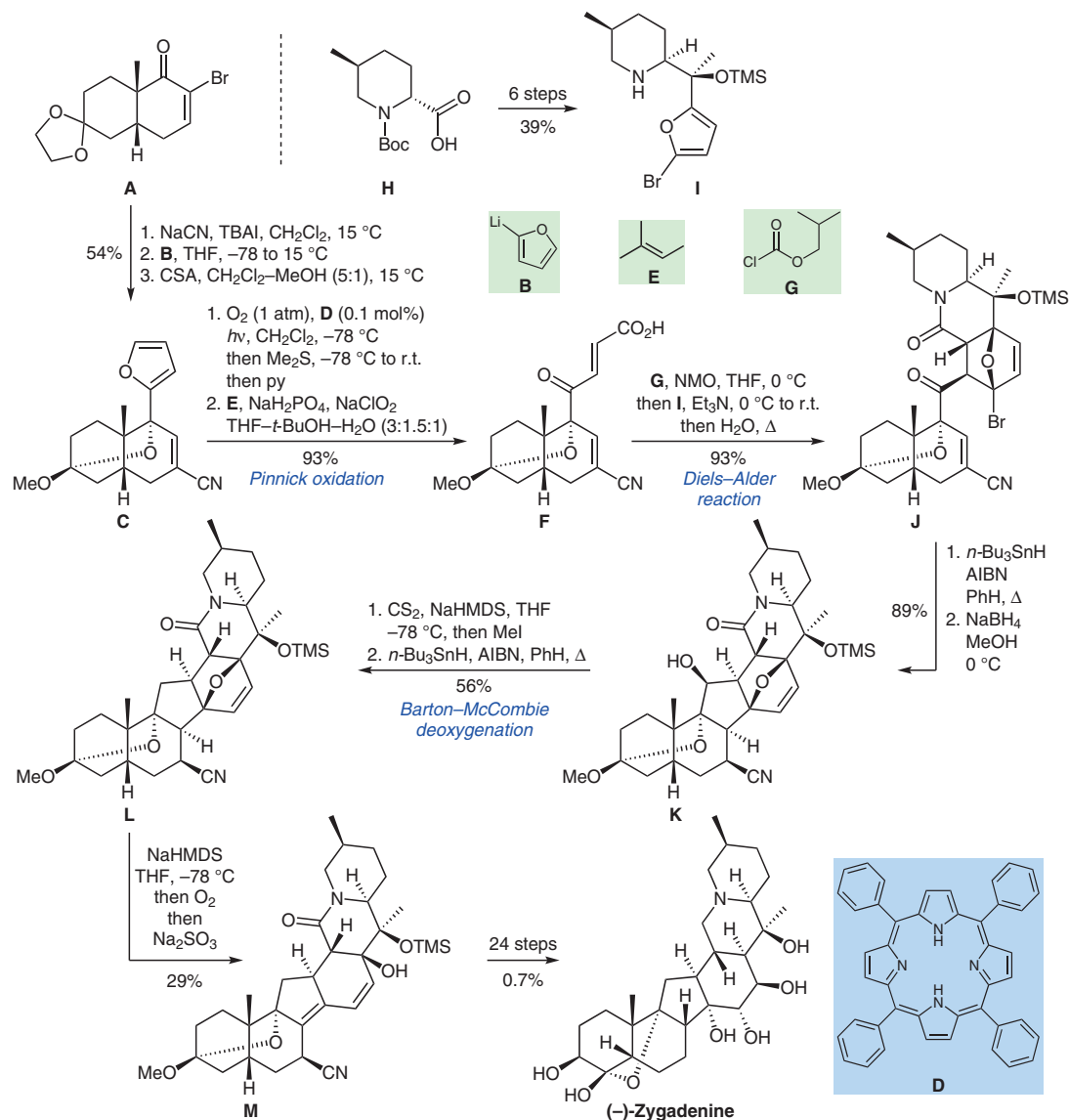


## Synthesis of (-)-Zygadenine



**Significance:** Luo and co-workers report the synthesis of (-)-zygadenine. Key to their approach is a stereoselective intramolecular Diels-Alder reaction, followed by a radical cyclization to construct the hexacyclic carbon skeleton.

**Comment:** Cyclization precursor **F** was prepared from commercially available enone **A** in five steps. Formation of a mixed anhydride with furan **I** enabled intramolecular Diels-Alder reaction to diketone **J**. Treatment with AIBN and tributyltin hydride, followed by reduction furnished hexacyclic **K**.