One-Carbon Insertion and Polarity Inversion Enabled a Pyrrole Strategy to the Total Syntheses of Pyridine-Containing Lycopodium Alkaloids: Complanadine A and Lycodine.
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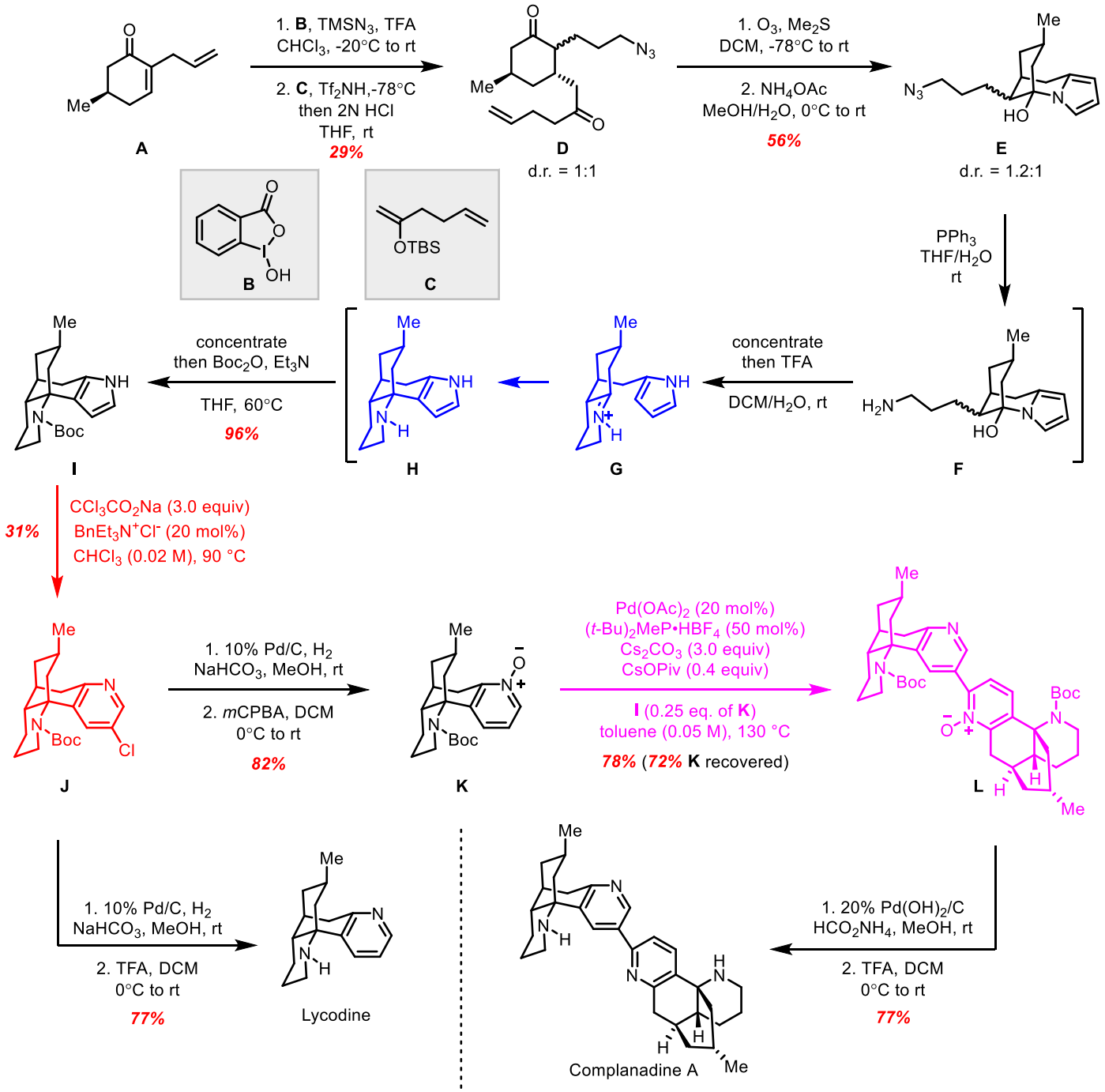
D. Ma, B. Martin, K. Gallagher, T. Saito, and M. Dai*. (Purdue University, USA)



Key Steps:

- ***Mannich-type cyclization afforded tetracyclic product***
- ***Ciamician−Dennstedt rearrangement***
- ***C−H arylation provided Coupling product***

Significance:

- ***Total synthesis of Complanadine A and Lycodine.***
- ***Provides a reliable Pyrrole Strategy to the Total Syntheses of Pyridine-Containing Lycopodium Alkaloids.***

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