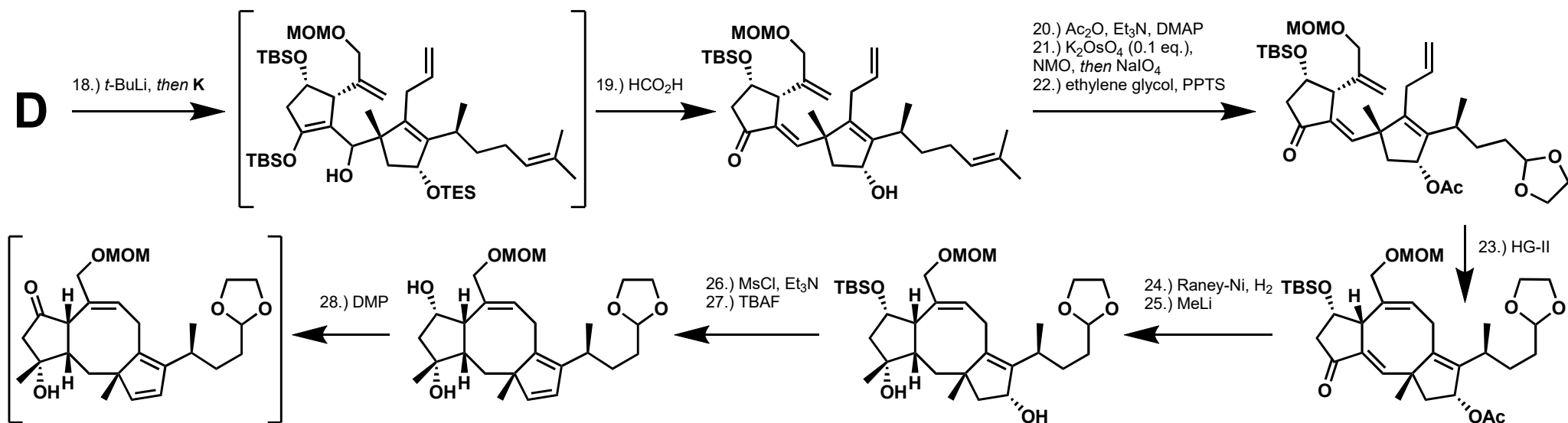
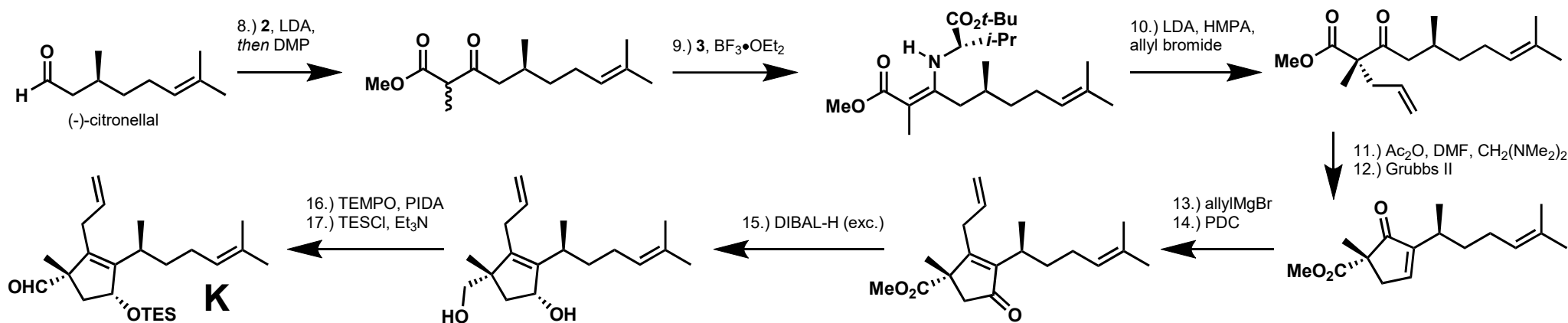
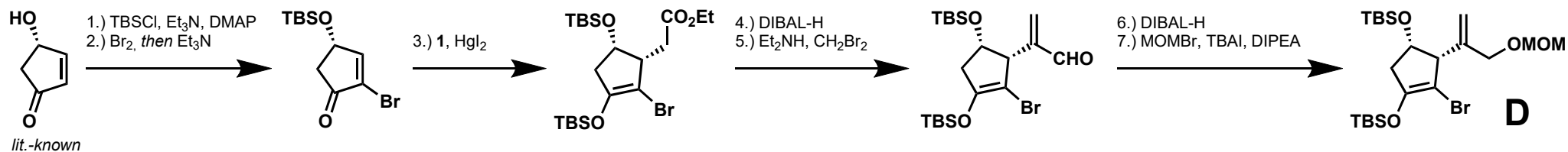
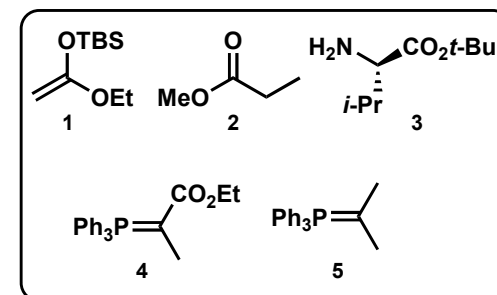
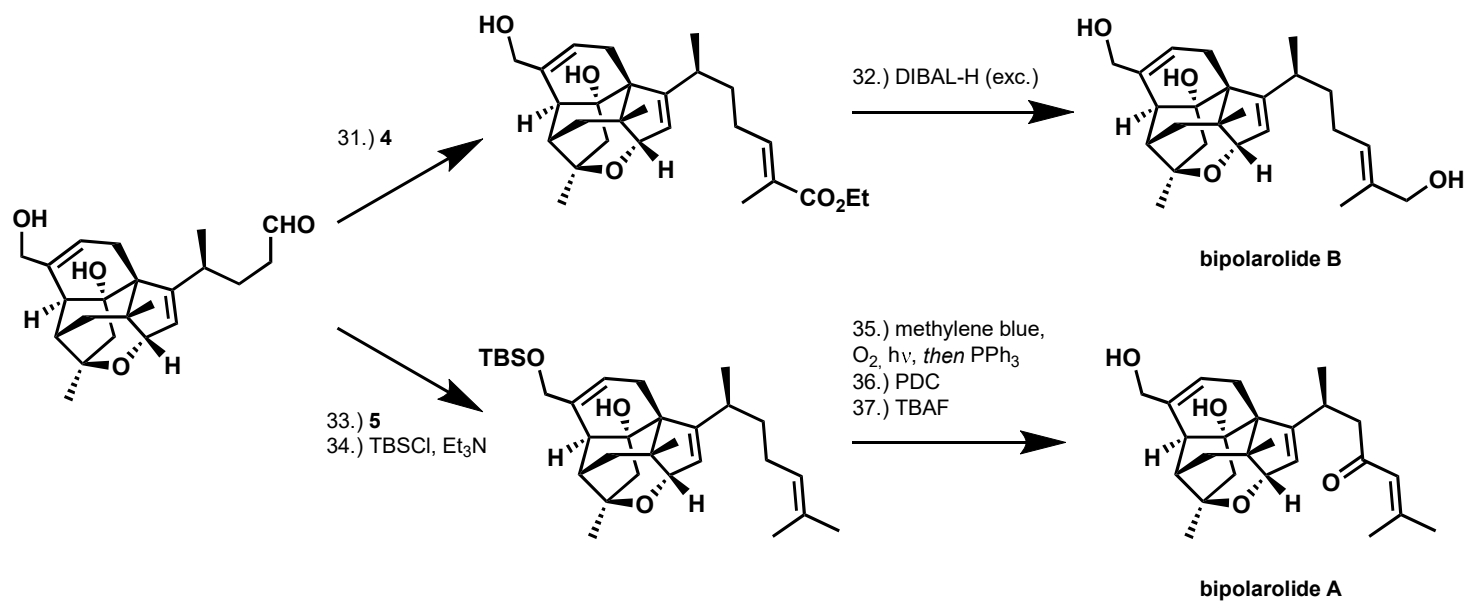
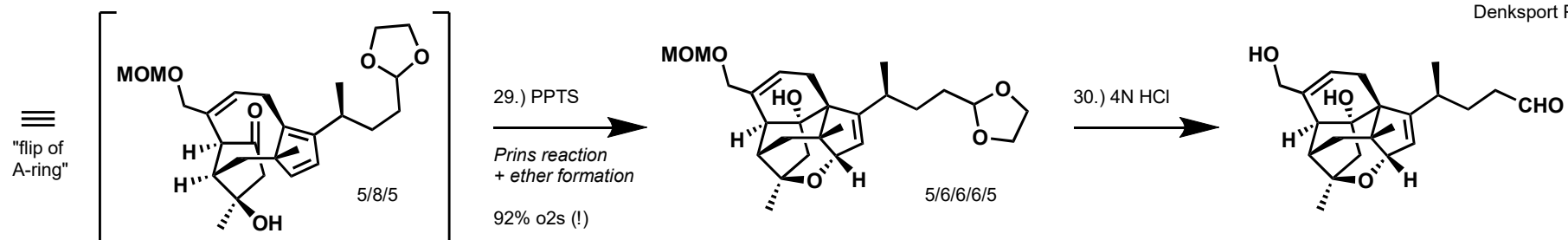


# Bioinspired Total Synthesis of Bipolarolides A and B

Denksport Philipp Schoch 17.04.24

Bo Li, Chuanzhen Tan, Tianhao Ma, and Yanxing Jia; *Angew. Chem. Int. Ed.* **2024**, *63*, e202319306.



**Literature:**

Step 3: Danishefsky's L.A. / HgI<sub>2</sub>-promoted *cis*-1,4-addition to enones with EWGs in  $\gamma$ -position  
Procedure: *JACS* **1989**, 111, 3456-3457. Explanation: *JOC* **1991**, 56 (1), 387-395.

Step 9/10: Asymmetric alkylation with valine-based chiral enamines  
*Tetrahedron* **1993**, 49 (8), 1579-1588.

Step 24: Chemoselective 1,4-reduction with Raney-Ni  
*Synlett* **1999**, 10, 1663-1666.