

# Total Synthesis of Swinhoeisterol A, Dankasterones A and B, and Periconiastone A

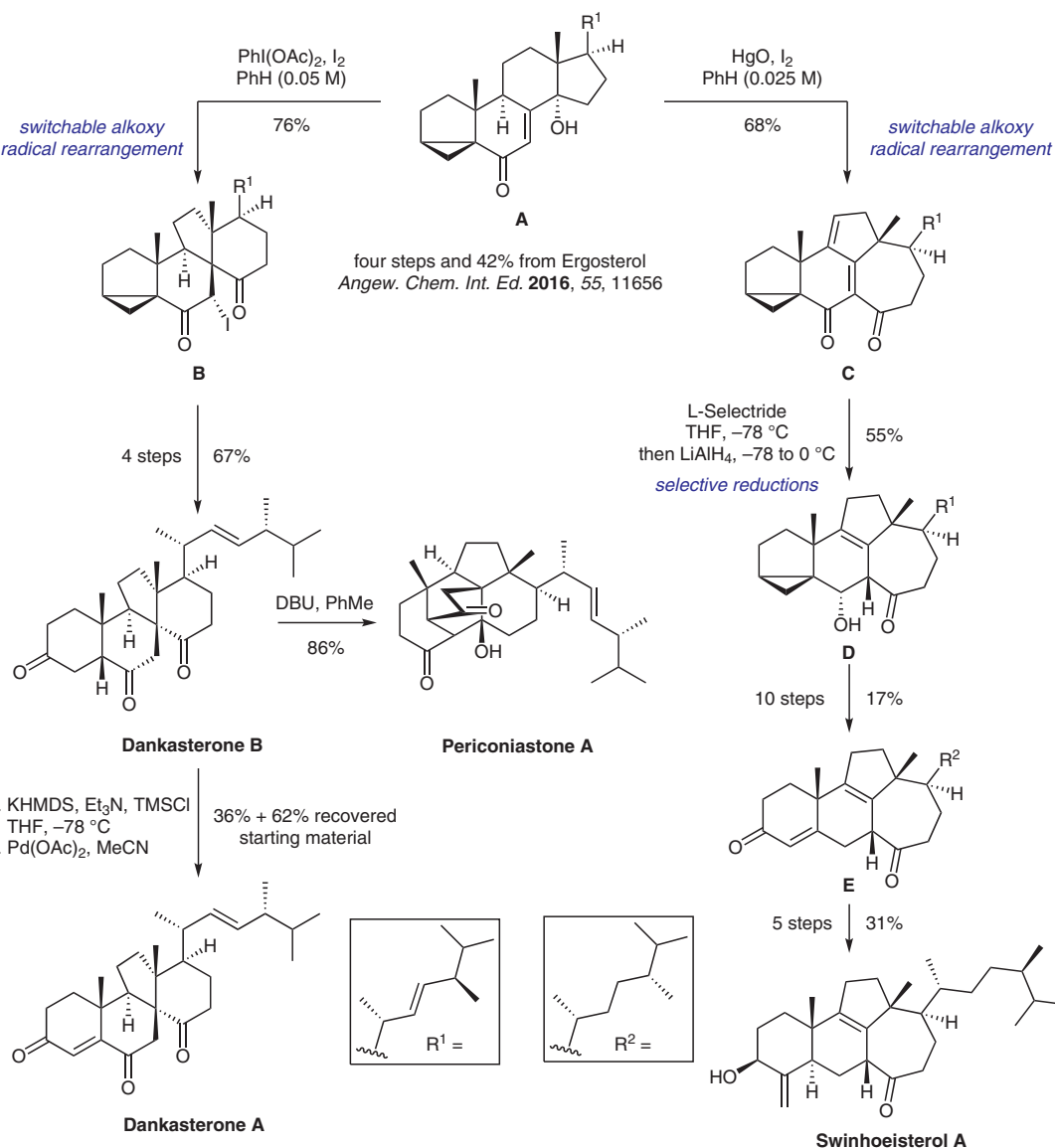
Category

Synthesis of Natural Products and Potential Drugs

Key words

swinhoeisterol A  
 dankasterone A  
 dankasterone B  
 periconiastone A  
 radical rearrangement  
 skeleton rearrangement

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**Significance:** Heretsch and co-workers report the total synthesis of a number of structurally intriguing natural products from a common intermediate. The concise synthesis is enabled by the strategic application of a switchable alkoxy radical rearrangement.

**Comment:** Ergosterol is transformed by a known route to cyclopropane **A**. Two different conditions were developed to lead selectively to **B** or **C**. Those advanced intermediates could subsequently be converted into four different complex natural products.