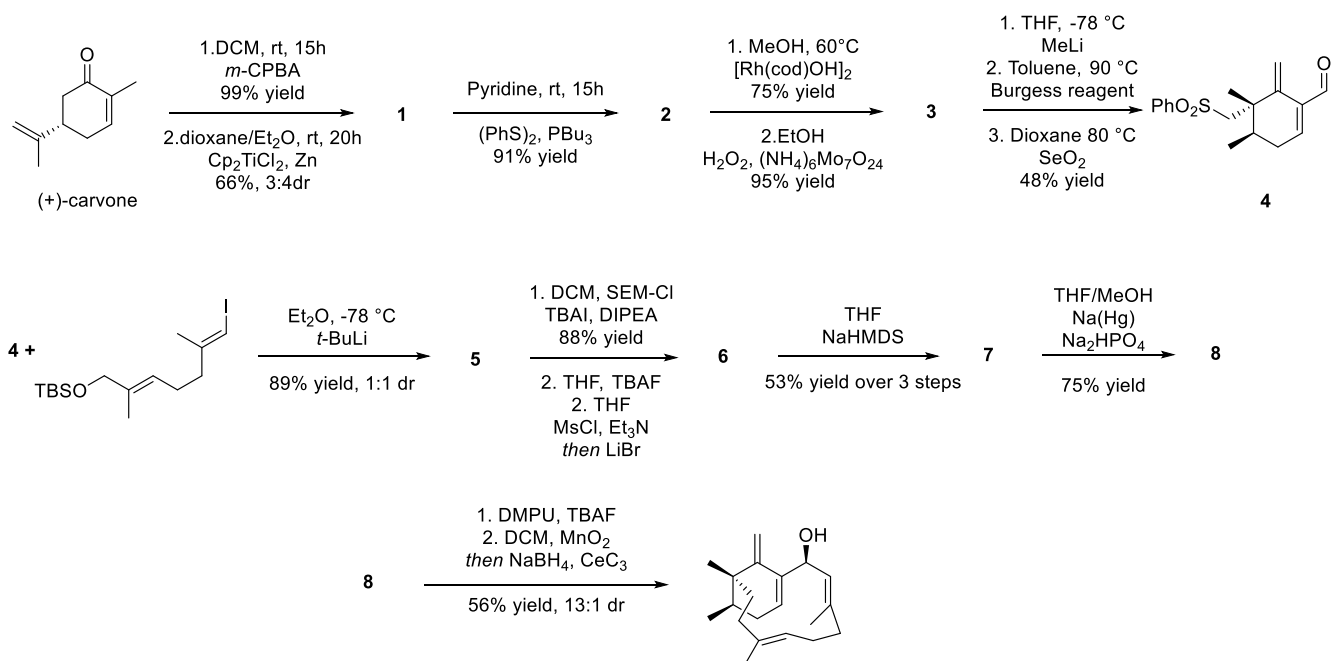
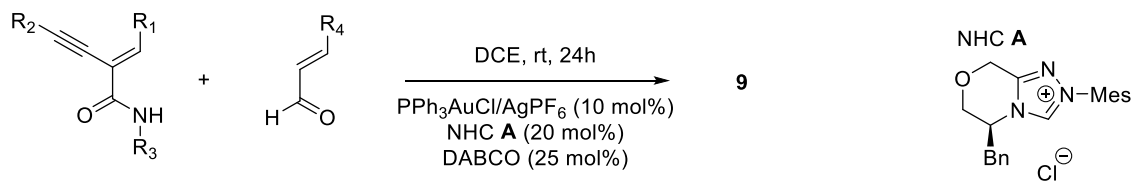


1. Propose a reaction pathway for the common intermediate in the total synthesis of the Phomactins



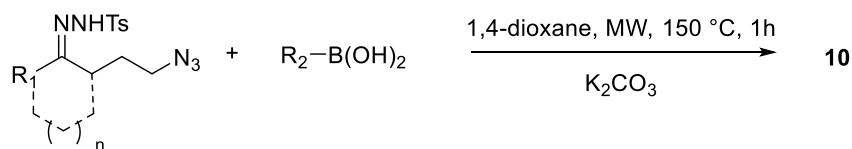
Sarpong *JACS* **2020**, *142*, 15536-15547

2. Propose the mechanism and structure of the final product for the dual-catalysis



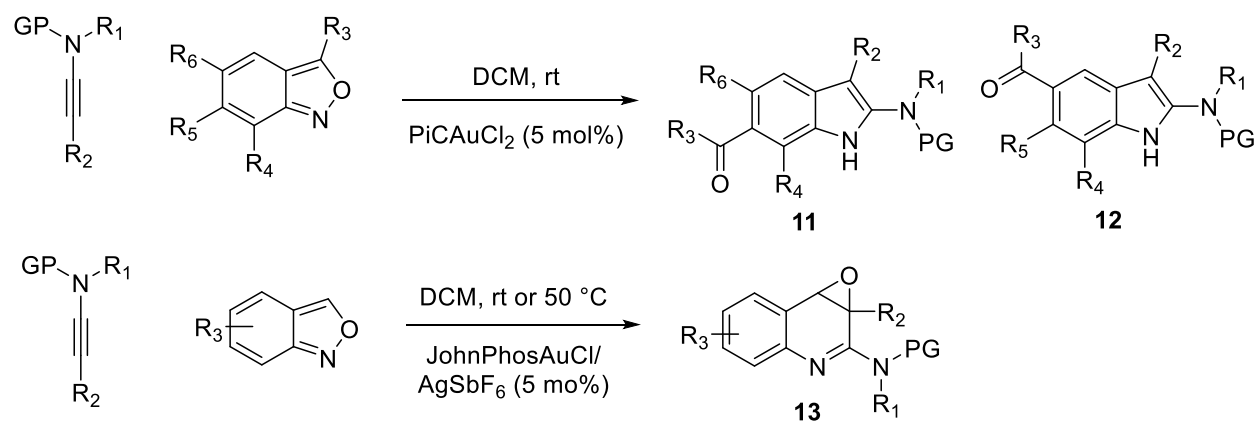
*ACIE* **2020**, *59*, 1557-1561

3. Propose the mechanism and structure of the final product



*ACIE* **2020**, *59*, 2-10

4. Explain the mechanism of the transformation



ACIE 2020, 59, 471-478