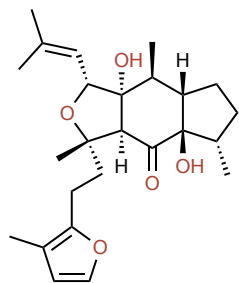
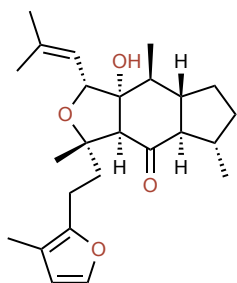


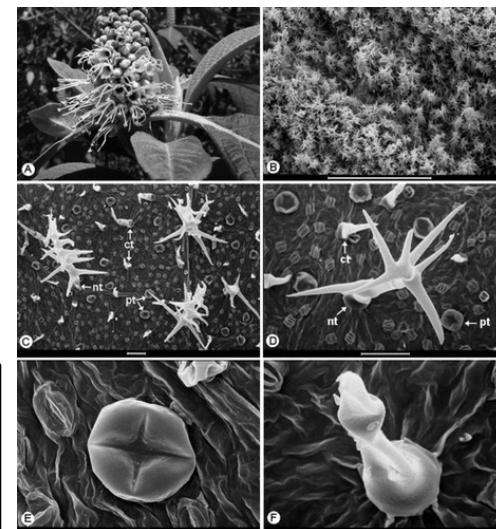
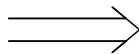
Origins and Characteristics:



Leucosceptroid A



Leucosceptroid B

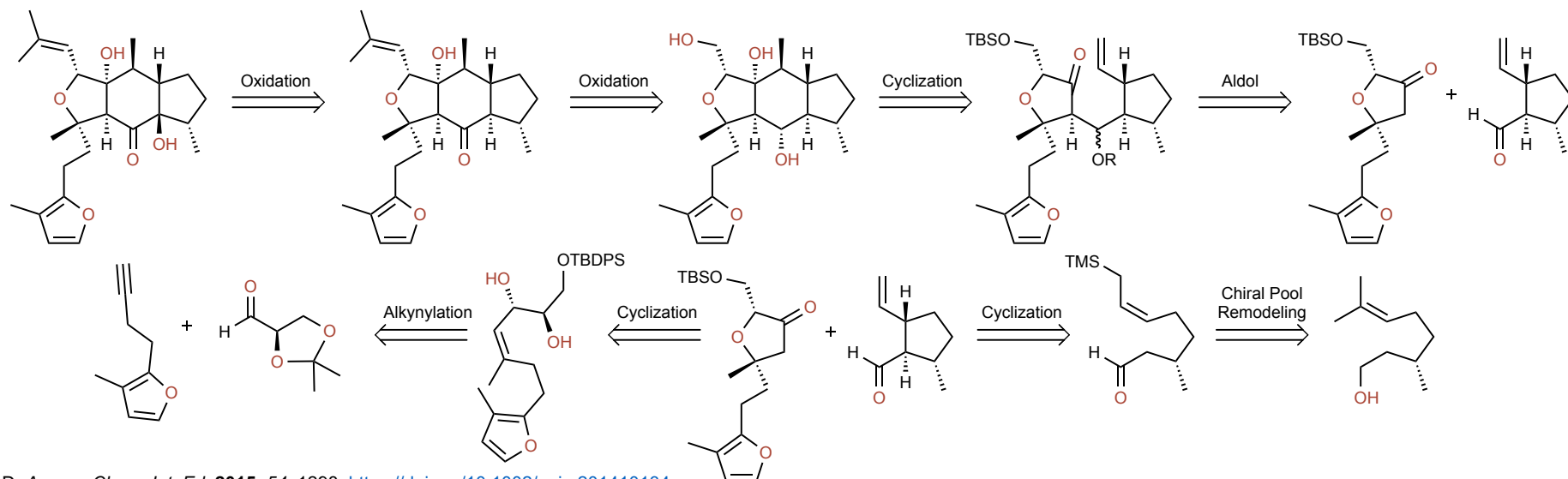


- Isolated from the glandular trichomes of *Leucosceptrum canum*
- Potent antifeedant activity against beet armyworm and cotton bollworm
- Exhibits antifungal effects against *Colletotrichum musae* and *Rhizoctonia solani*
- Structural Characteristics:
 - Oxidized tricyclic core
 - Distant furan side chain

- A. *L. canum* plant blooming
- B. Electron micrograph
- C. 3 Major trichomes
- D. Nonglandular
- E. Peltate glandular
- F. Capitate glandular

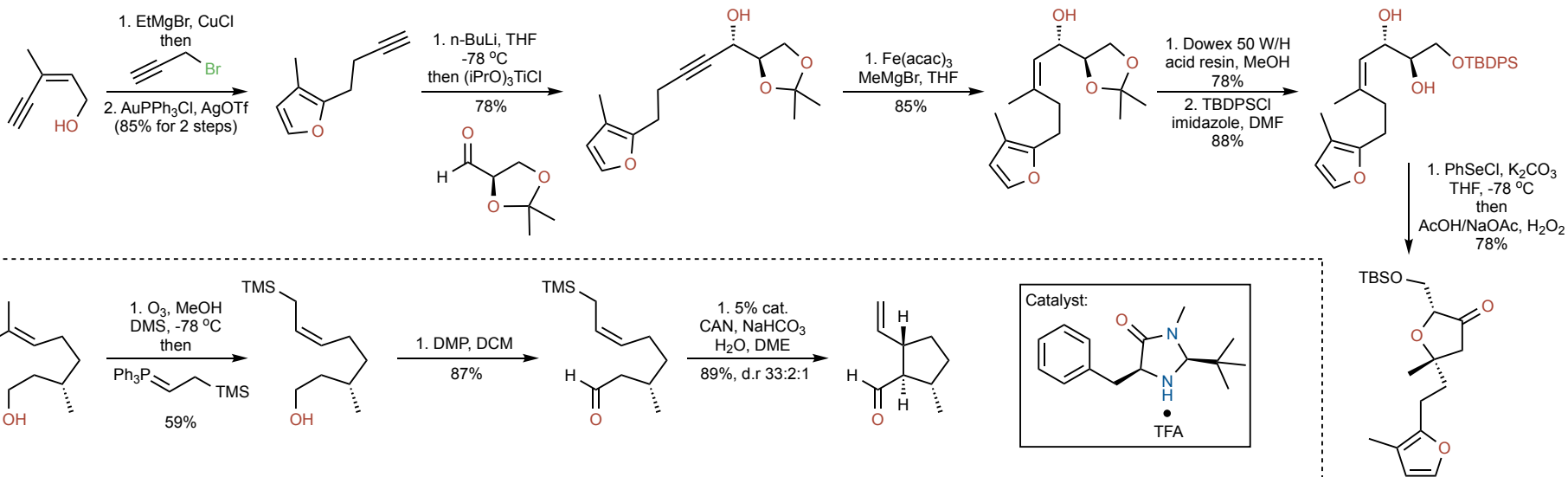
Li, S. *Angew. Chem. Int. Ed.* **2010**, 49, 4471. <https://doi.org/10.1002/anie.201000449>

Retrosynthesis:

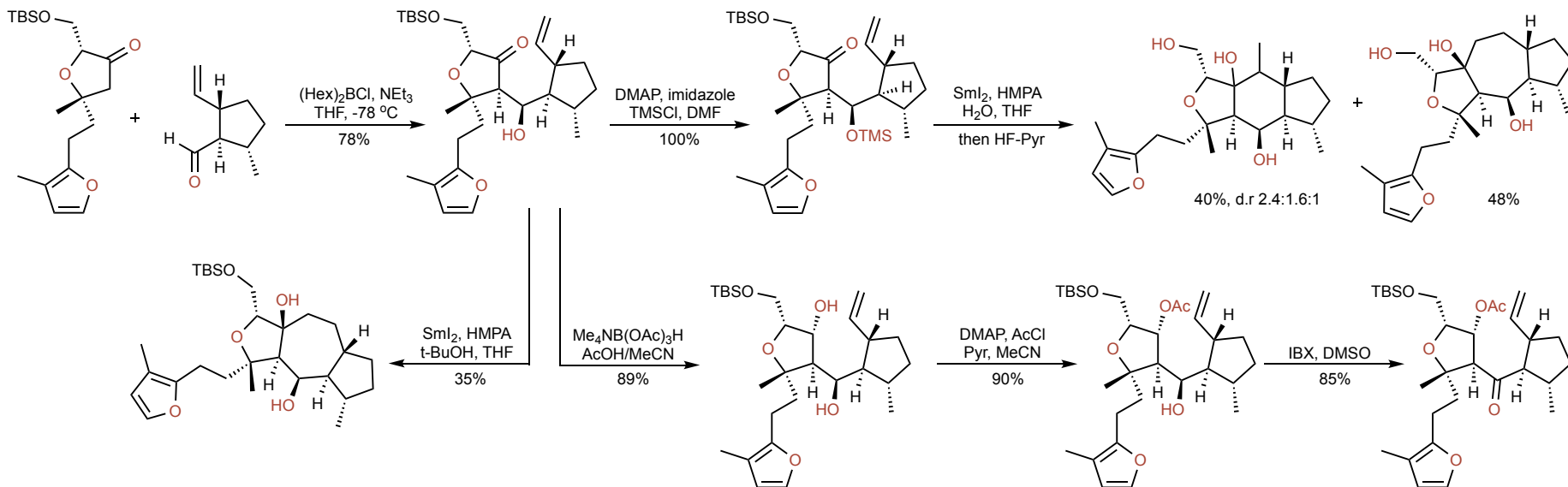


Ma, D. *Angew. Chem. Int. Ed.* **2015**, 54, 1298. <https://doi.org/10.1002/anie.201410134>

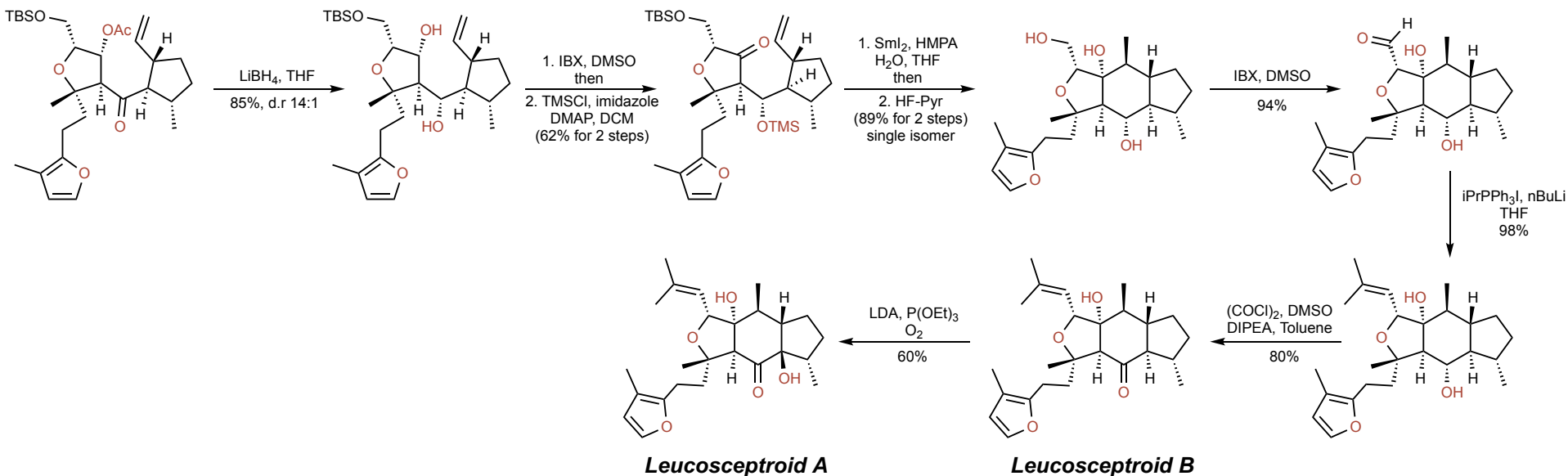
Synthesis of fragments:



Convergent Coupling and Cyclization: Initial Attempts



Stereochemical Alteration: Striking Gold



Cyclization Rationale:

