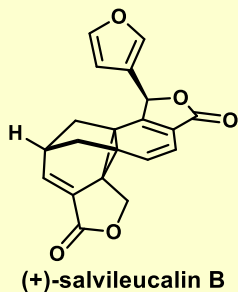
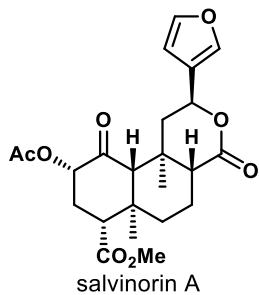


Reisman *J. Am. Chem. Soc.* **2011**, *133*, 774

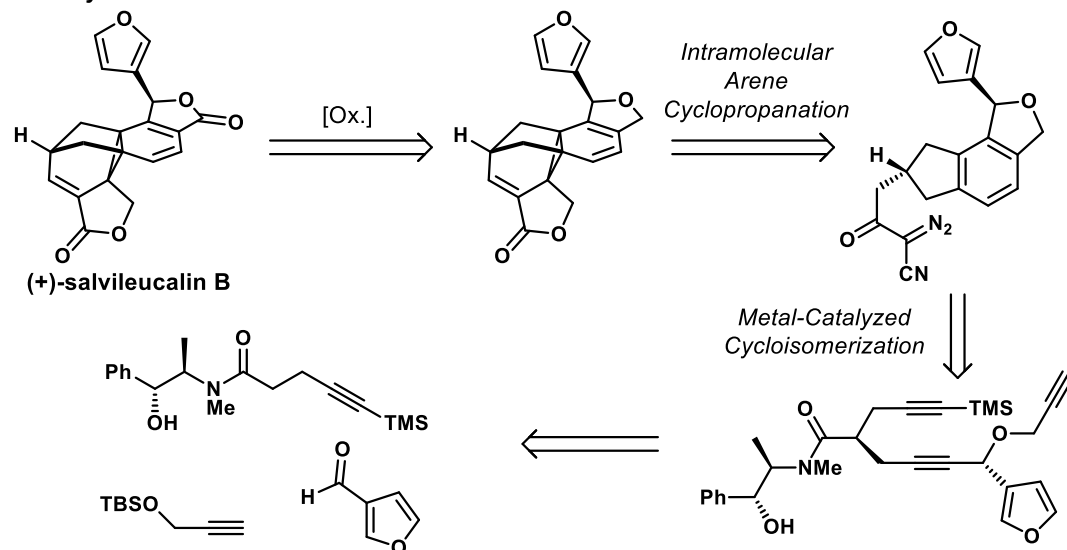
- Isolated in 2008 from *Salvia leucantha*
- "Cytotoxicity against A549 (human lung adenocarcinoma) and HT-29 (human colon adenocarcinoma) cells with IC₅₀ values of 5.23 and 1.88 g/mL, respectively"
- Biosynthetically, the cyclopropane is proposed to form via a [4+2] cycloaddition

Related Natural Products

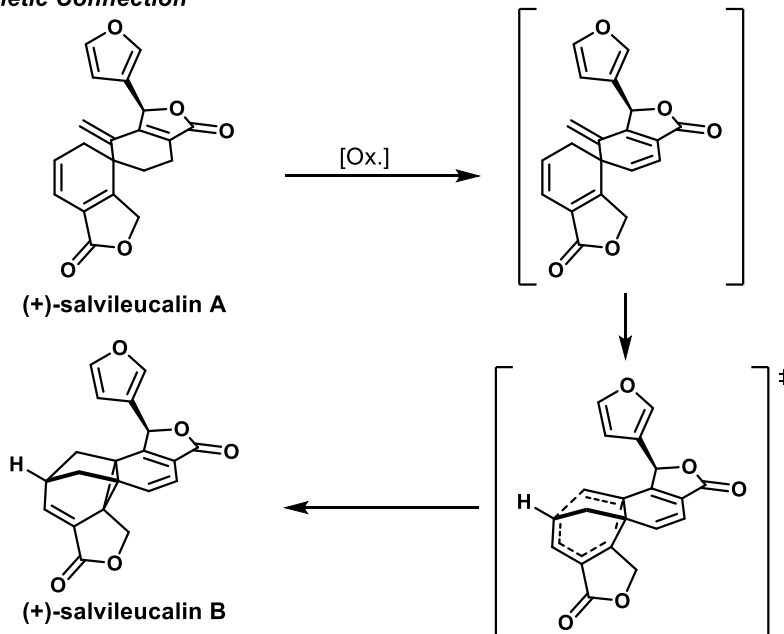


For previous total syntheses of salvininorins:
 Ungarean, C. N. *Total Synthesis of Salvininorins*
https://docs.wixstatic.com/ugd/73d798_d7363530f70c49ad9b10292d81fdebd1.pdf

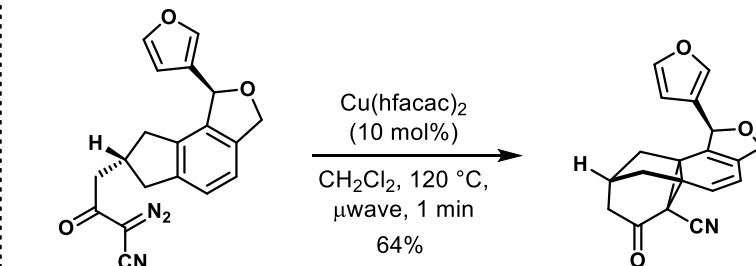
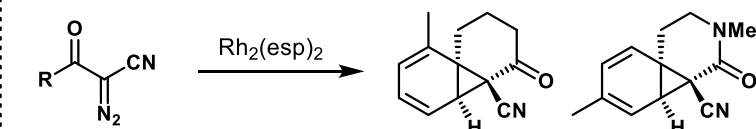
Retrosynthesis

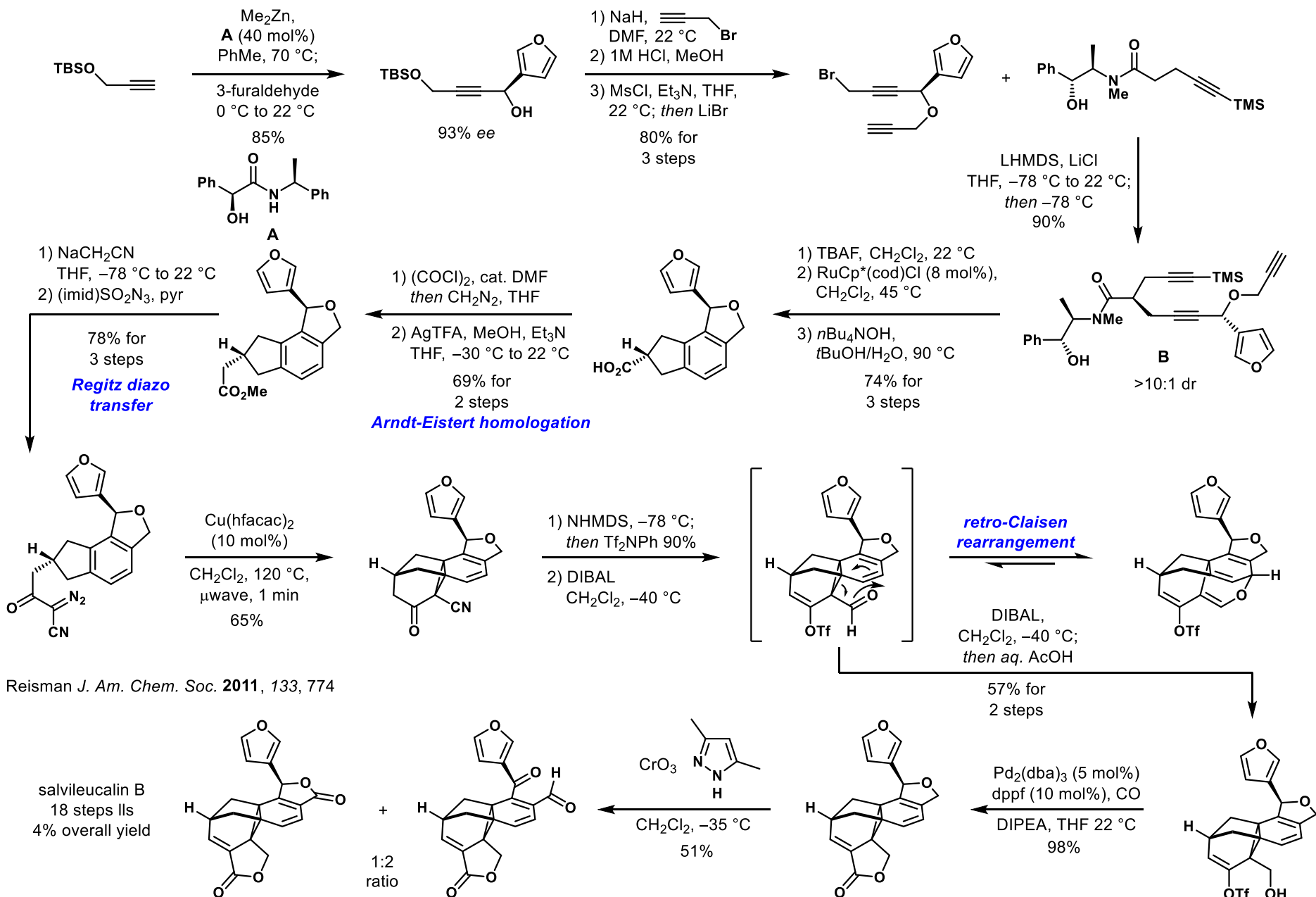


Biosynthetic Connection

Tantillo *Org. Lett.* **2010**, *12*, 1164

Key Disconnect

Reisman *Org. Lett.* **2010**, *12*, 780Reisman *J. Am. Chem. Soc.* **2013**, *135*, 7304

Reisman *J. Am. Chem. Soc.* **2011**, 133, 774salvileucalin B
18 steps
4% overall yield1:2
ratio