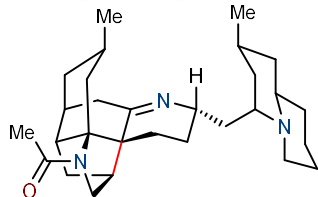
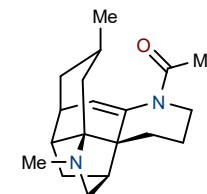


of the week



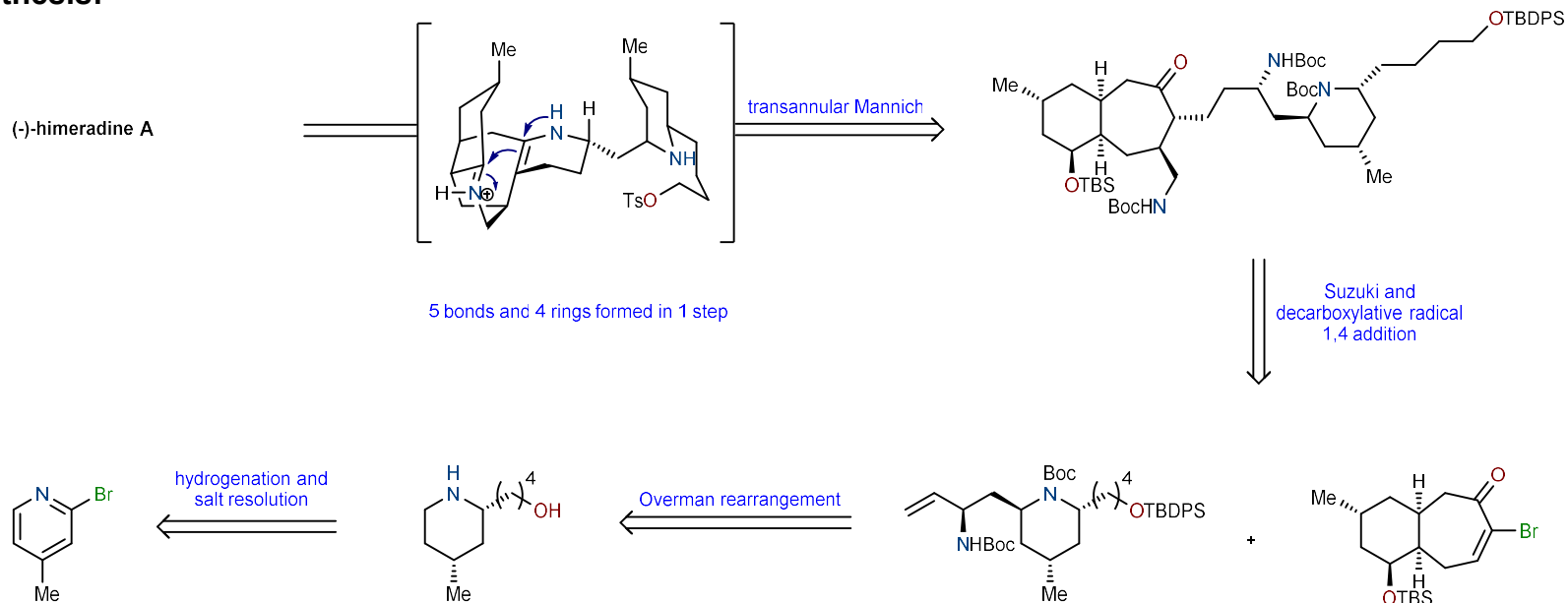
(-)-himeradine A

- First isolated by the Kobayashi group in 2003
- *Lycopodium* alkaloid
 - Differs from lycodine in containing a pentacyclic core with a C14-C3 bond (shown in red)
- Exhibits cytotoxicity against murine lymphoma L1210 cells (IC₅₀ of 10 µg/mL in vitro)
- Other total syntheses:
 - Shair (2014): 33 steps LLS
- Rychnovsky's approach was built on their first- and second-generation syntheses of (+)-fastigiatine

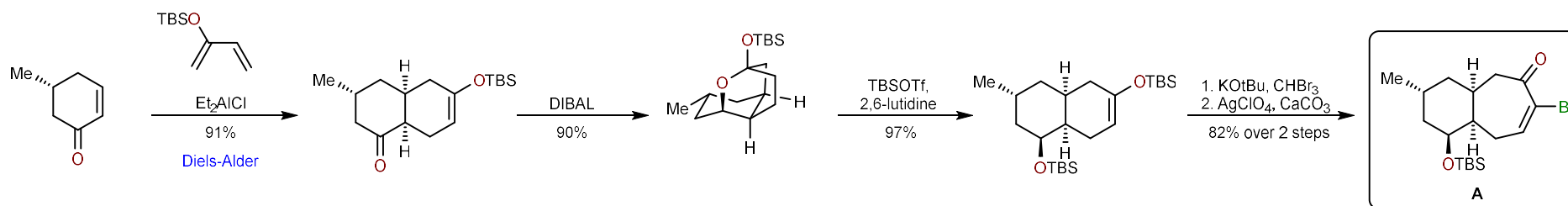


(+) -fastigiatine

Retrosynthesis:



Synthesis of Suzuki partner:

Rychnovsky, S. D. *Angew. Chem.* **2019**, *131*, 16339. <https://doi.org/10.1002/anie.201910129>

