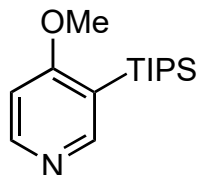


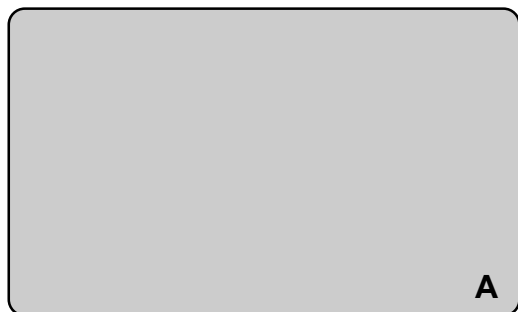
Concise Total Synthesis of the Frog Alkaloid (-)-205 B

Tsukanov, S. V.; Comins, D. L.

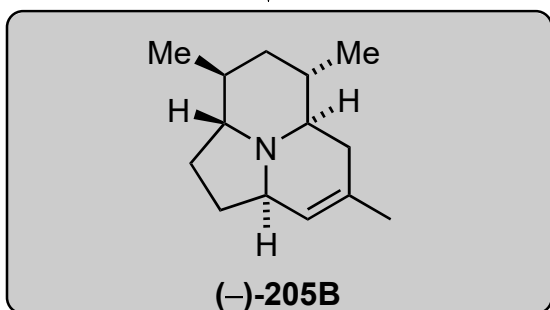
Angew. Chem. Int. Ed. **2011**, *50*, 8626. DOI: 10.1002/anie.201103596



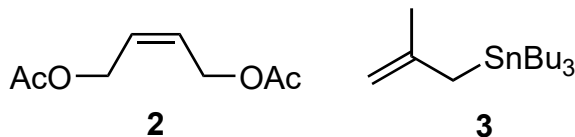
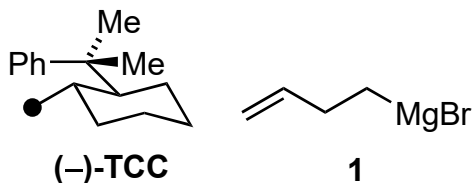
1-6



7-11



- 1) (-)-TCCOCOCI then **1** then HCl
- 2) NaOMe, MeOH then HCl
- 3) **2**, Grubbs II
- 4) [Pd₂(dba)₃], P(tBu)₃, Cs₂CO₃, 75 °C
- 5) LDA, MeI then LDA
- 6) **3**, TFAA



- 7) Grubbs II
- 8) NaHMDS, HMPA, MeI
- 9) Li, NH₃, isoamyl alcohol
- 10) thiocarbonyldiimidazole, DMAP
- 11) AIBN, HSnBu₃, PhSeSePh

2) What is the role of HCl?

4) Name of reaction?

5) HINT: additional LDA epimerizes

9) Name a few reasons these conditions might have been chosen.

11) What is the role of PhSeSePh?