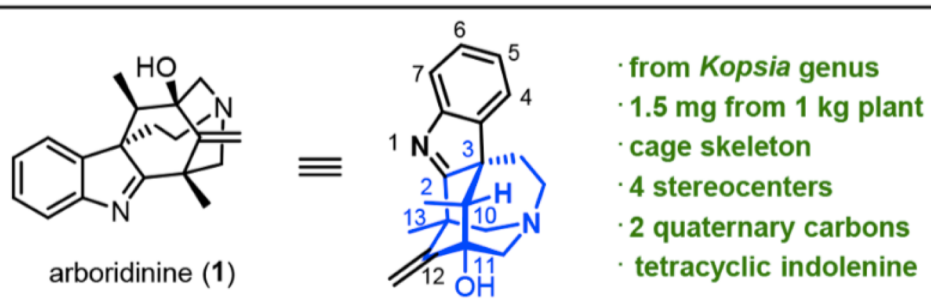


Total synthesis of (+)-Arboridinine

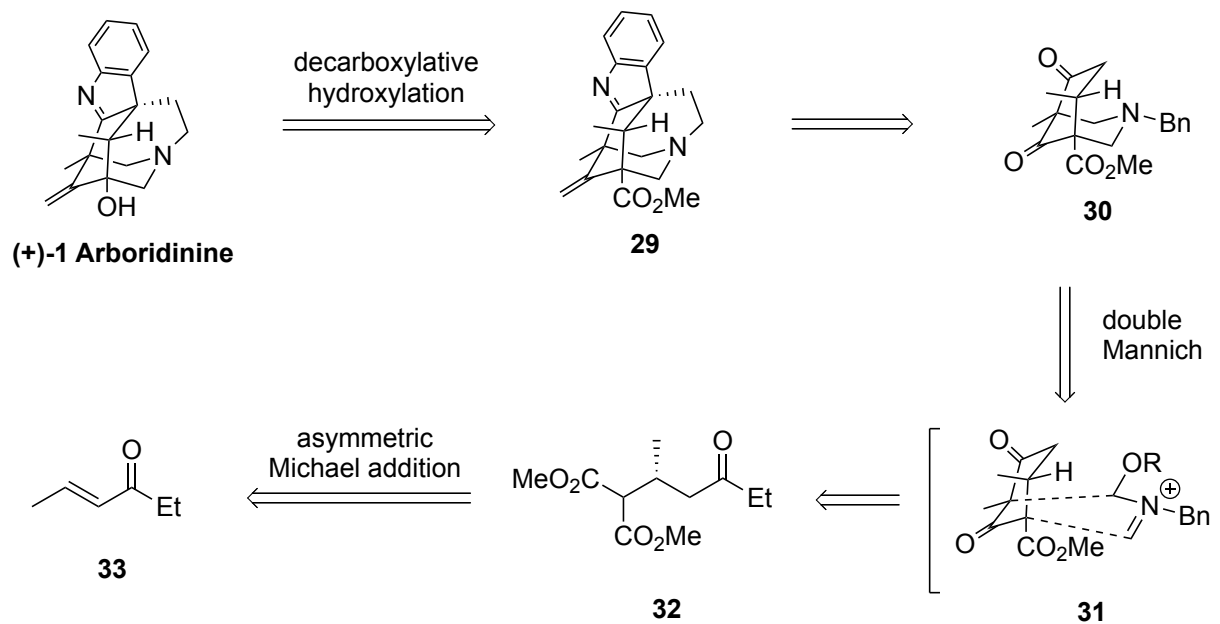
Zhang, Z. ; Xie, S.; Cheng, B. "Enantioselective Total Synthesis (+)-Arboridinine" *J. Am. Chem. Soc.* **2019**, *141*, 7147-7154.

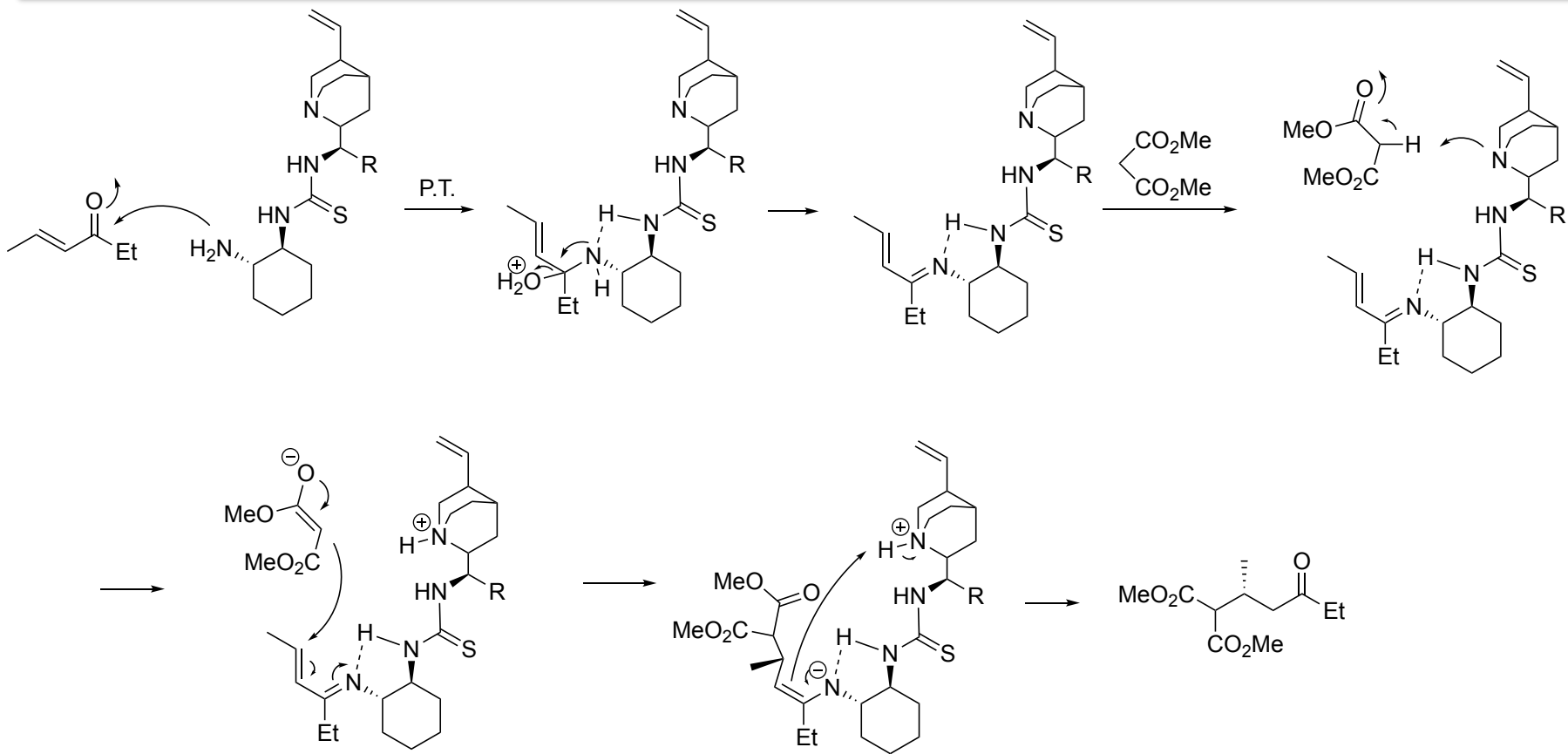
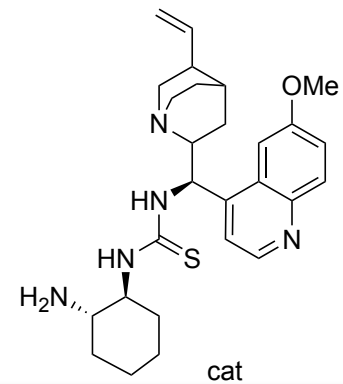
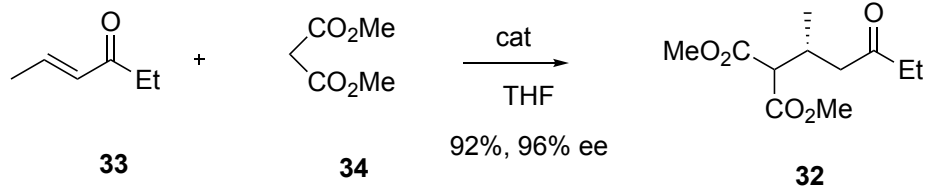


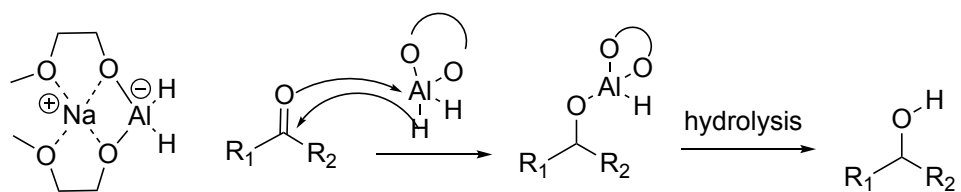
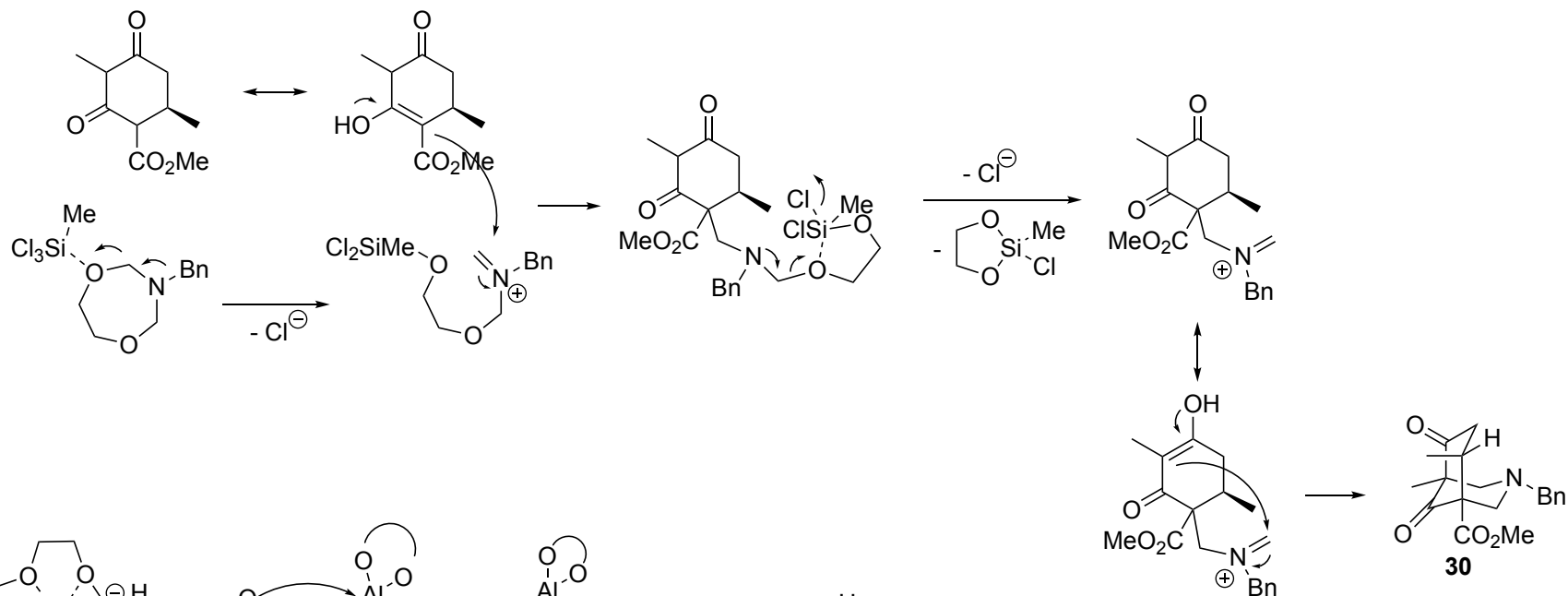
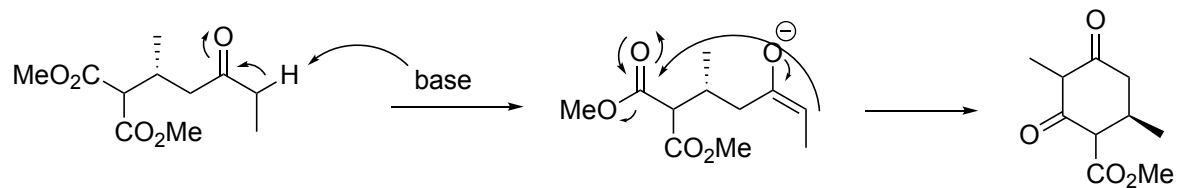
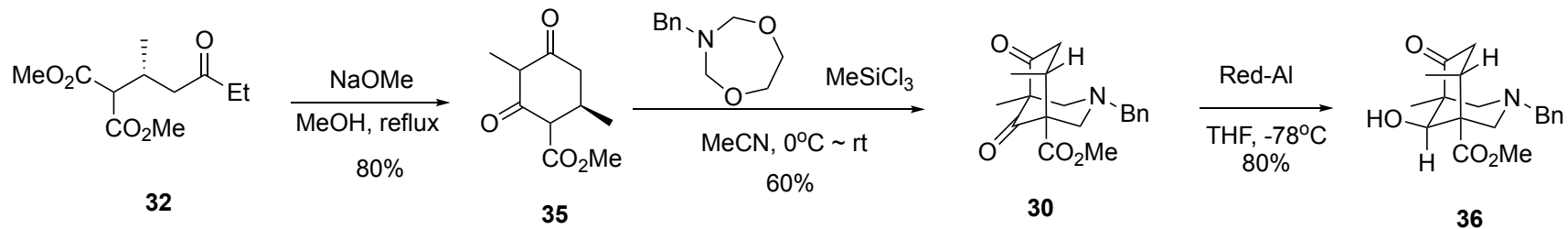
(+)-Arboridinine was isolated from the *Kopsia* genus of Malaysia in 2015.

- This structure contains four stereocenters, and two quaternary carbons along with one bridgehead tertiary alcohol.
- The synthesis presents a veritable challenge due to its intriguing structure together with the densely substituted caged skeleton presents a veritable challenge for its synthesis.
- The specific biological properties of arboridinine remain unexplored

Retrosynthetic analysis







Red - Al

