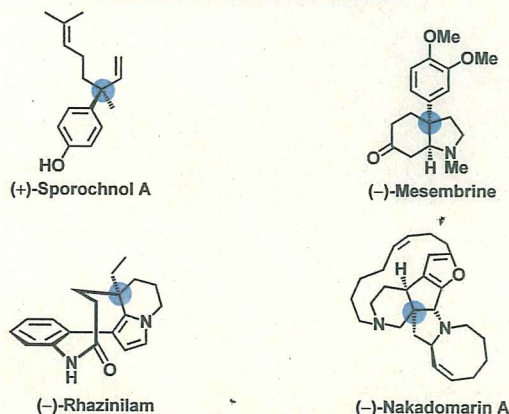
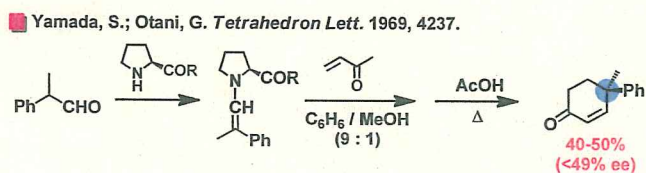
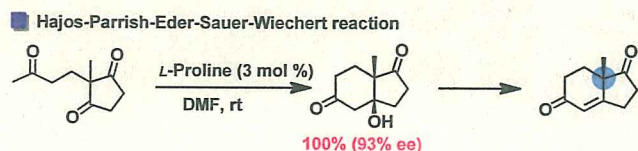




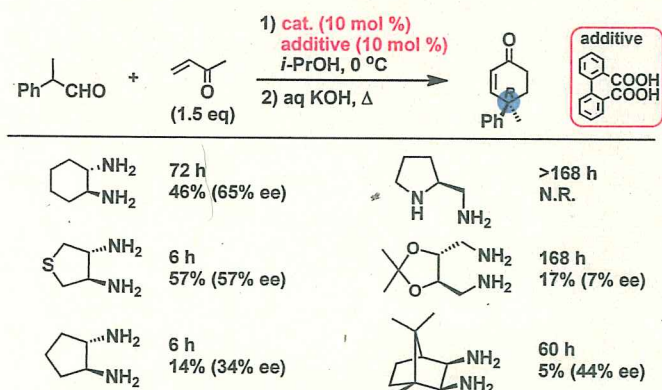
Natural Products as Targets



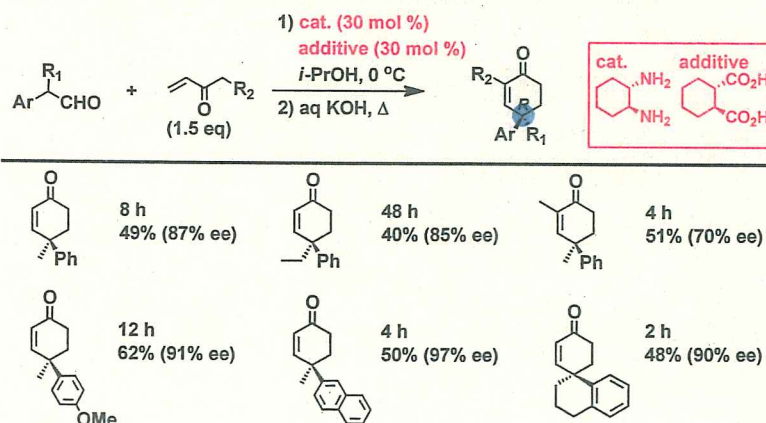
Asymmetric Robinson-type Annulation



Organocatalytic Asymmetric Robinson Annulation: Catalyst Screening

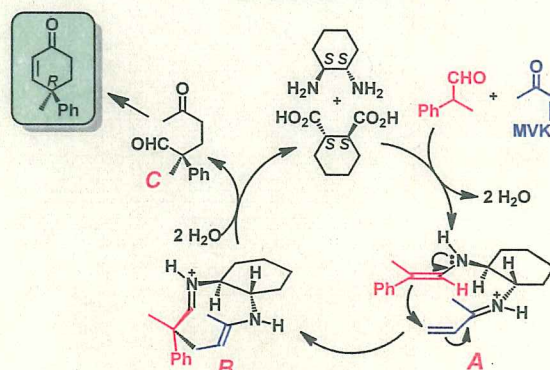


Organocatalytic Asymmetric Robinson Annulation: Generality

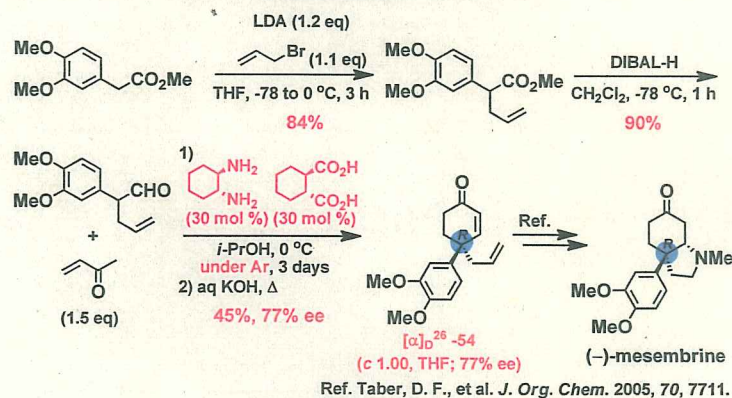


Inokoshi, Y.; Sasakura, N.; Nakano, K.; Ichikawa, Y.; Kotsuki, H. *Org. Lett.* 2010, 12, 1616.

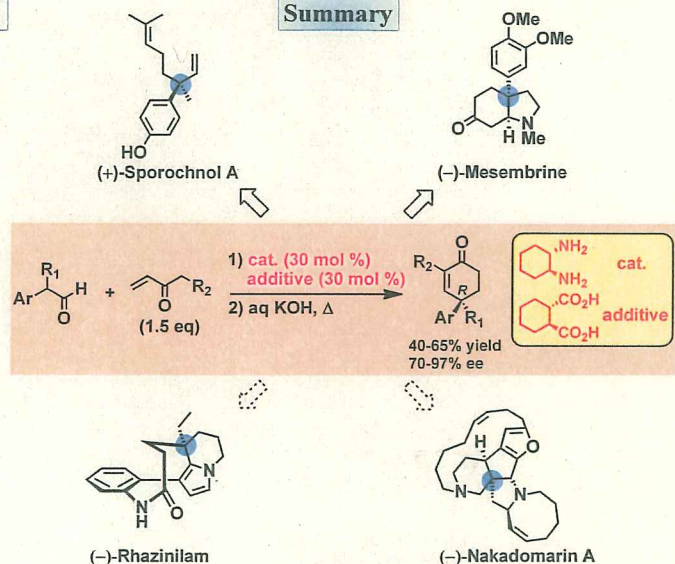
Plausible Mechanism



Asymmetric Synthesis of (-)-Mesembrine



Summary



高知大学
天然物化学研究室

