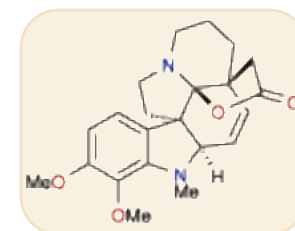


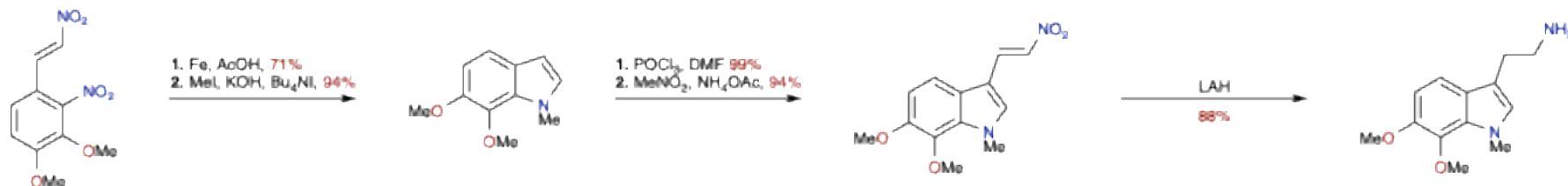
## Background

- Aspidophytine is an indole alkaloid that is a constituent of “la hierba de la cucaracha” (an ant cockroach/insecticidal agent)
- From the leaves of *Haplophyton cimidum*
- Isolation and chemical characterization of the active principles by G.R. Snyder and co-workers at University of Illinois Urbana-Champaign
- The structure was disclosed by Cava and Yates in 1973
- First total synthesis completed by Corey in 1999



Total Syntheses Completed:  
**Corey (1999)**, Fukuyama (2003), Padwa (2006),  
 Cao (2006), **Nicolaou (2008)**

## Fragment One Synthesis



## Fragment Two Synthesis

