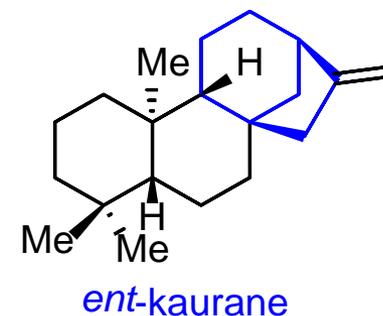
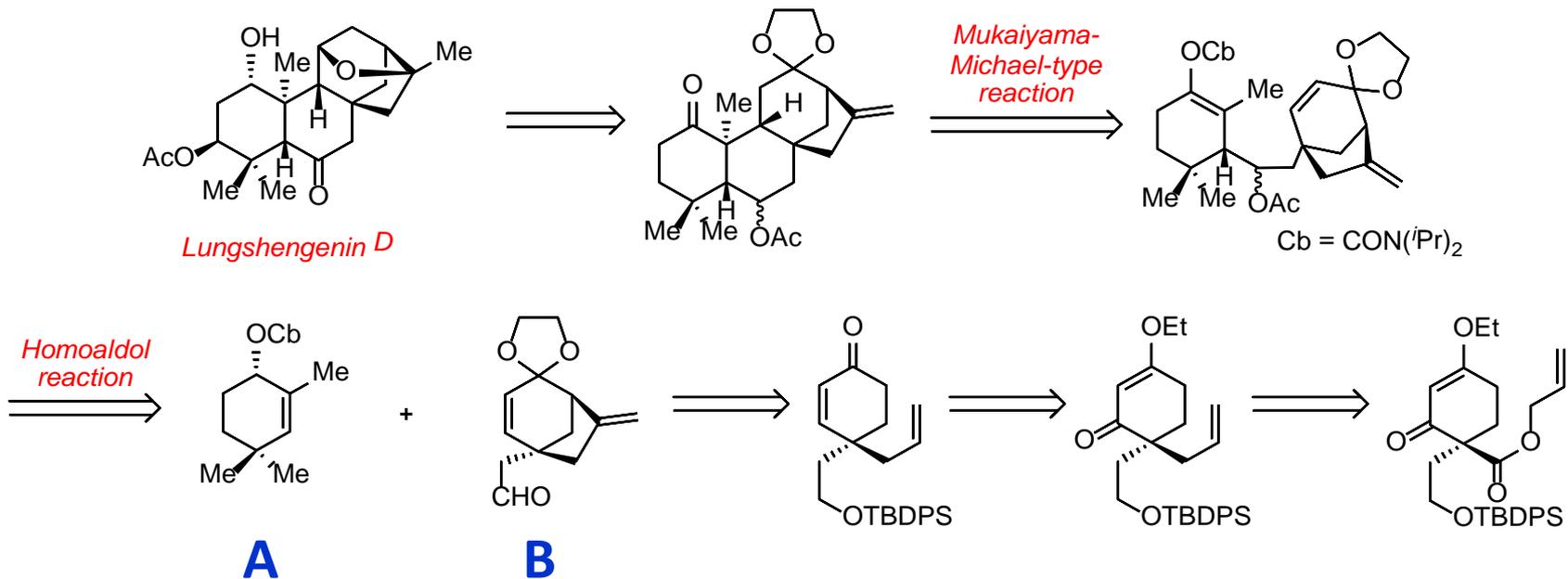


Ent-kaurane Diterpenoids

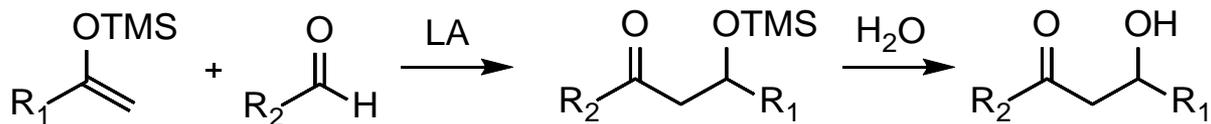
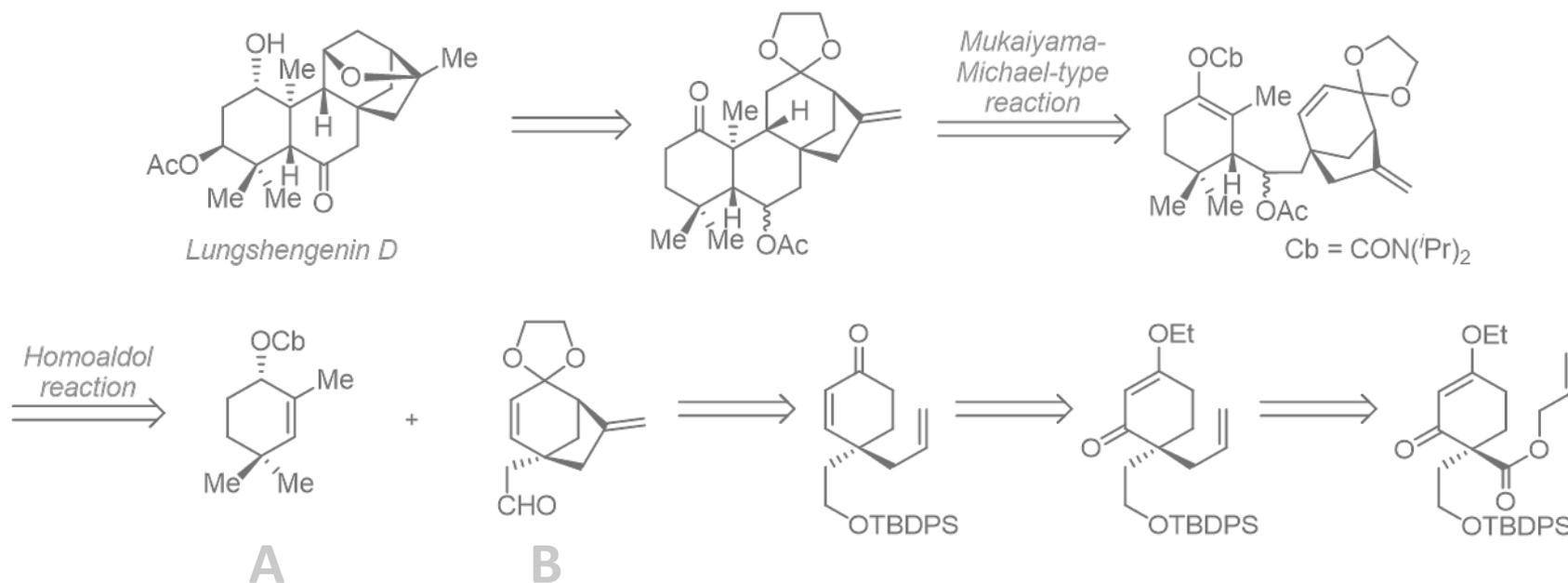
- Discovered in 1961 in Kauri trees of New Zealand
- >1000 *ent*-kauranes isolated
- Preliminary studies show anti-tumor, anti-infective and immunosuppressive properties of these natural products



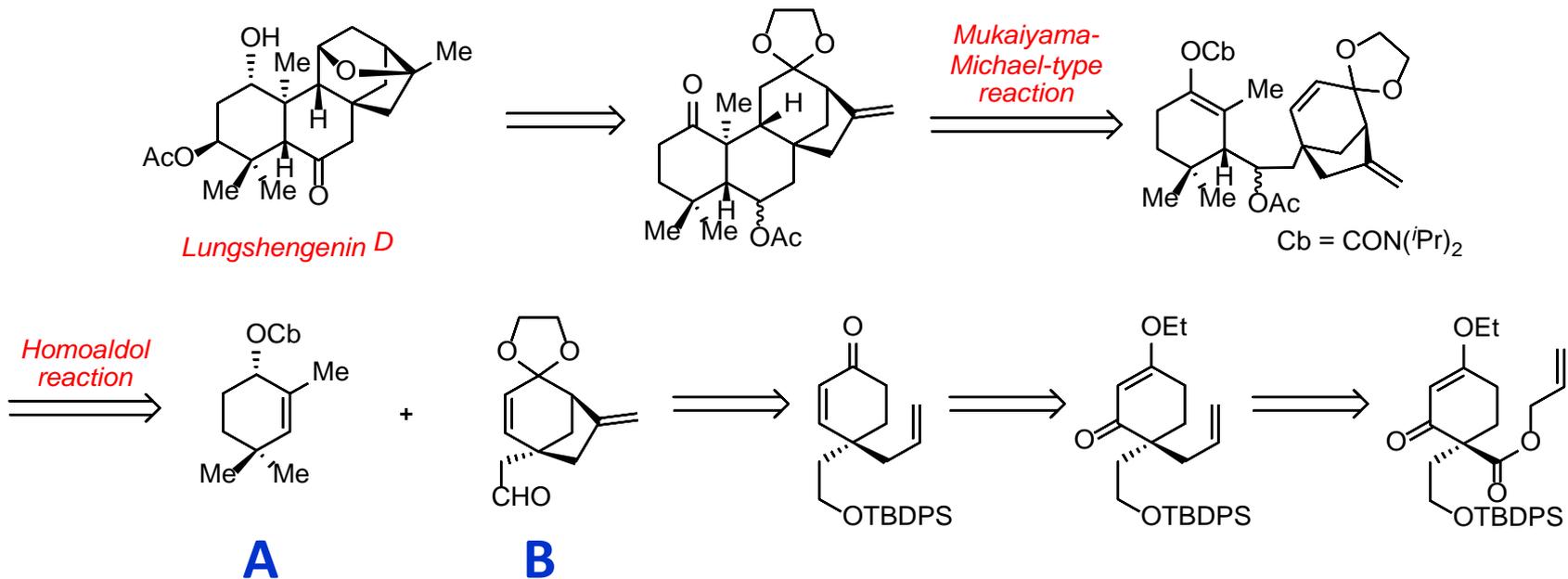
Retrosynthetic Analysis



Retrosynthetic Analysis

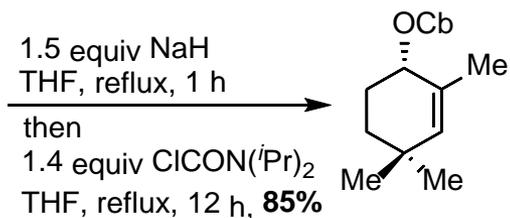
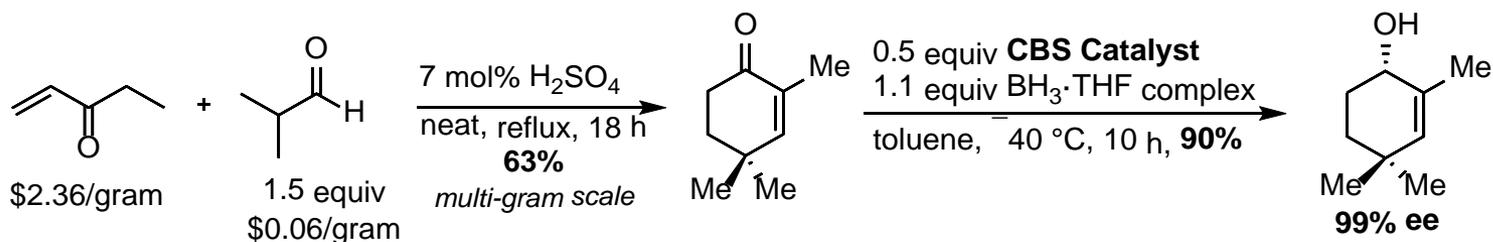
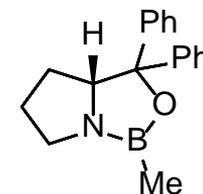


Retrosynthetic Analysis

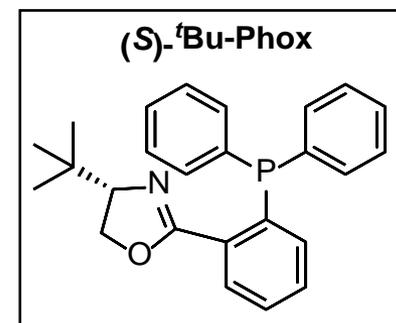
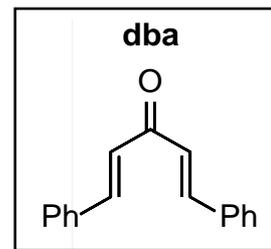
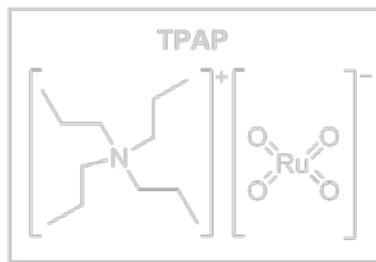
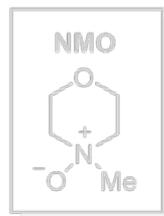
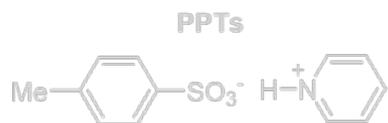
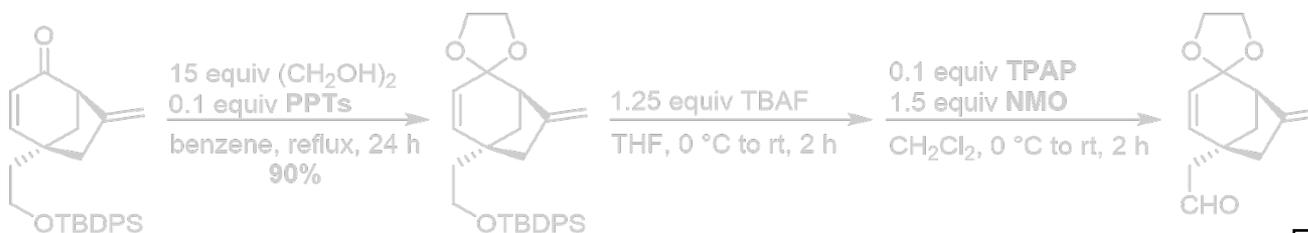
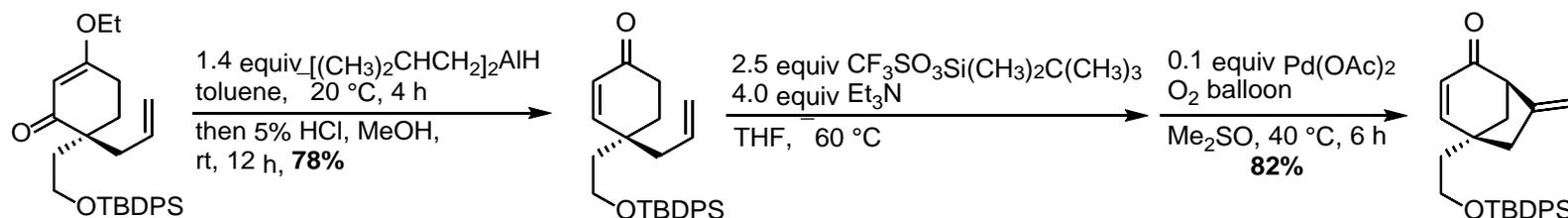
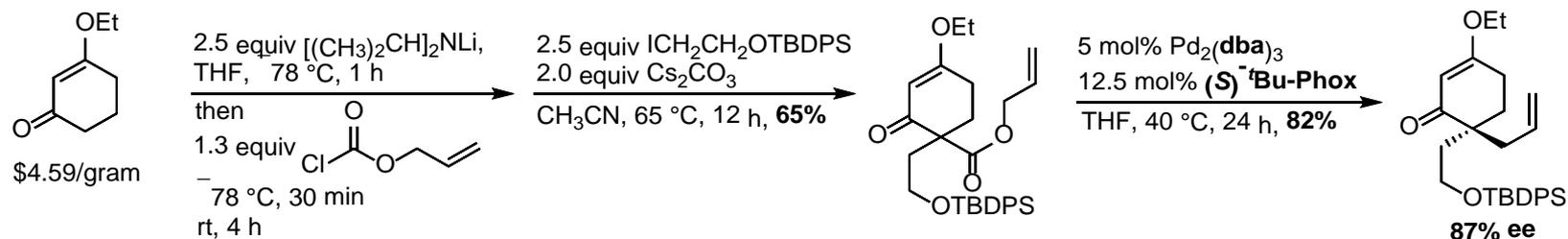


Making Synthron A

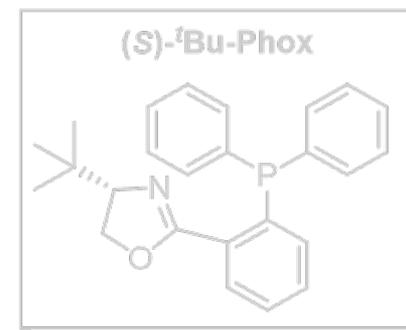
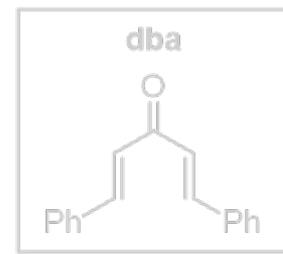
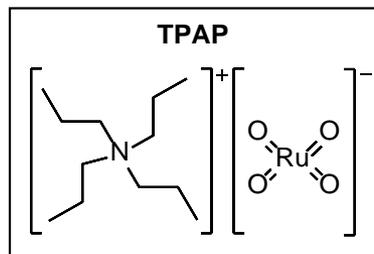
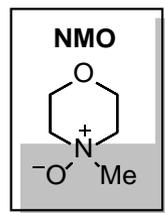
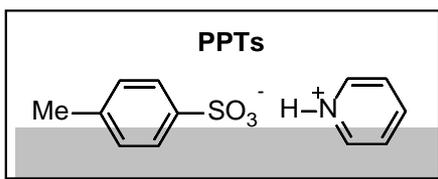
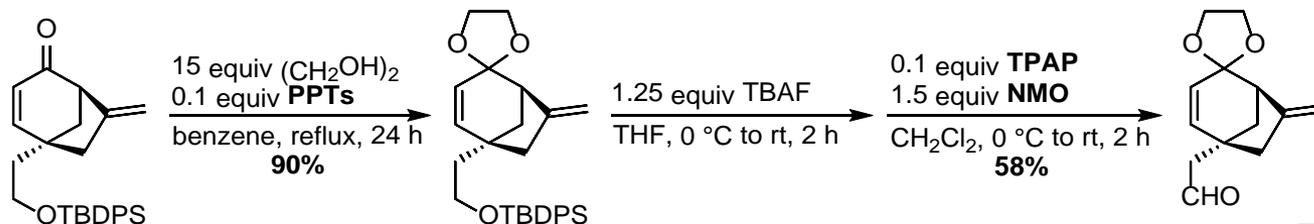
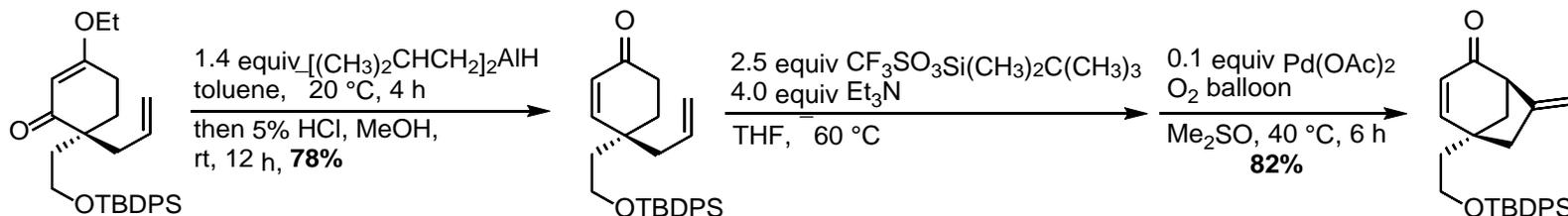
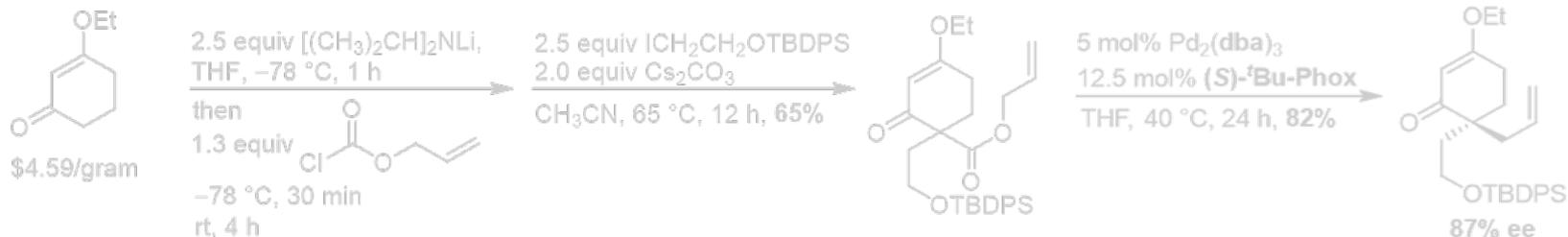
CBS Catalyst



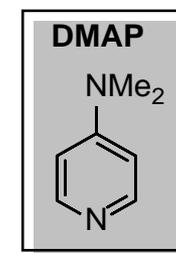
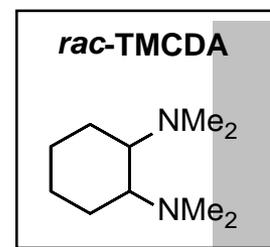
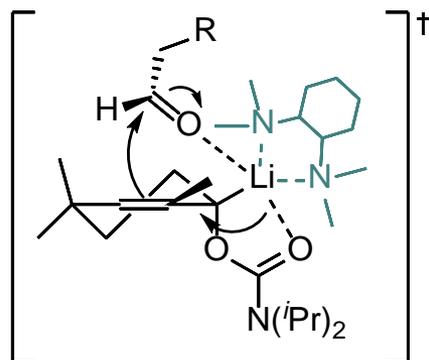
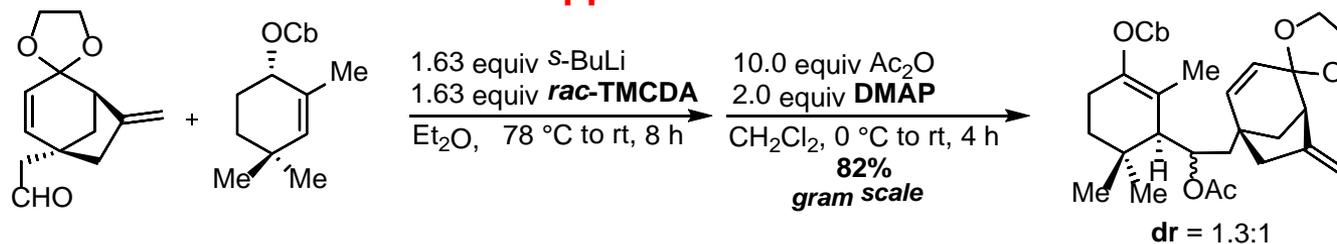
Making Synthron B



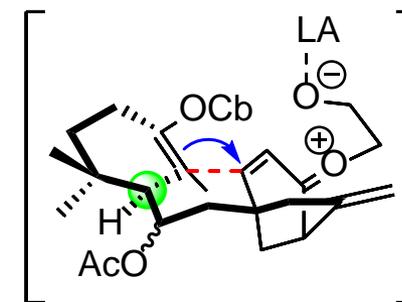
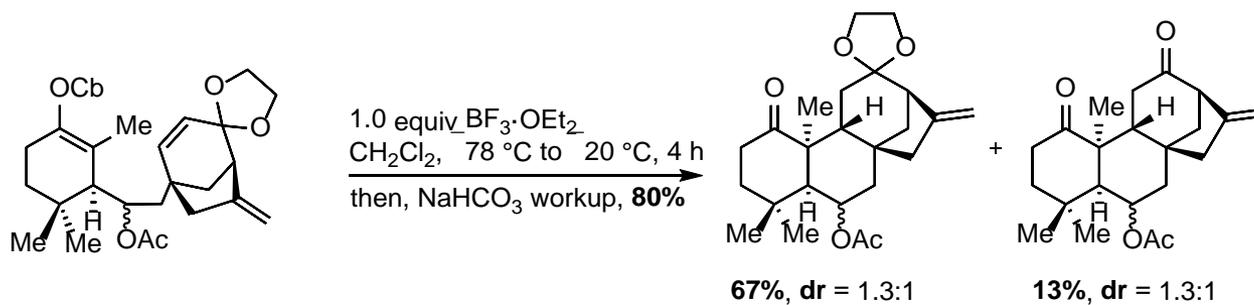
Making Synthron B



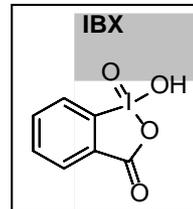
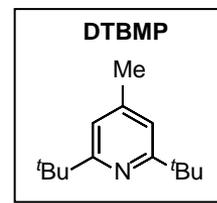
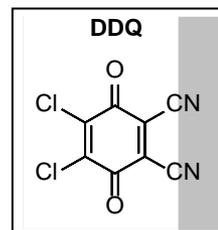
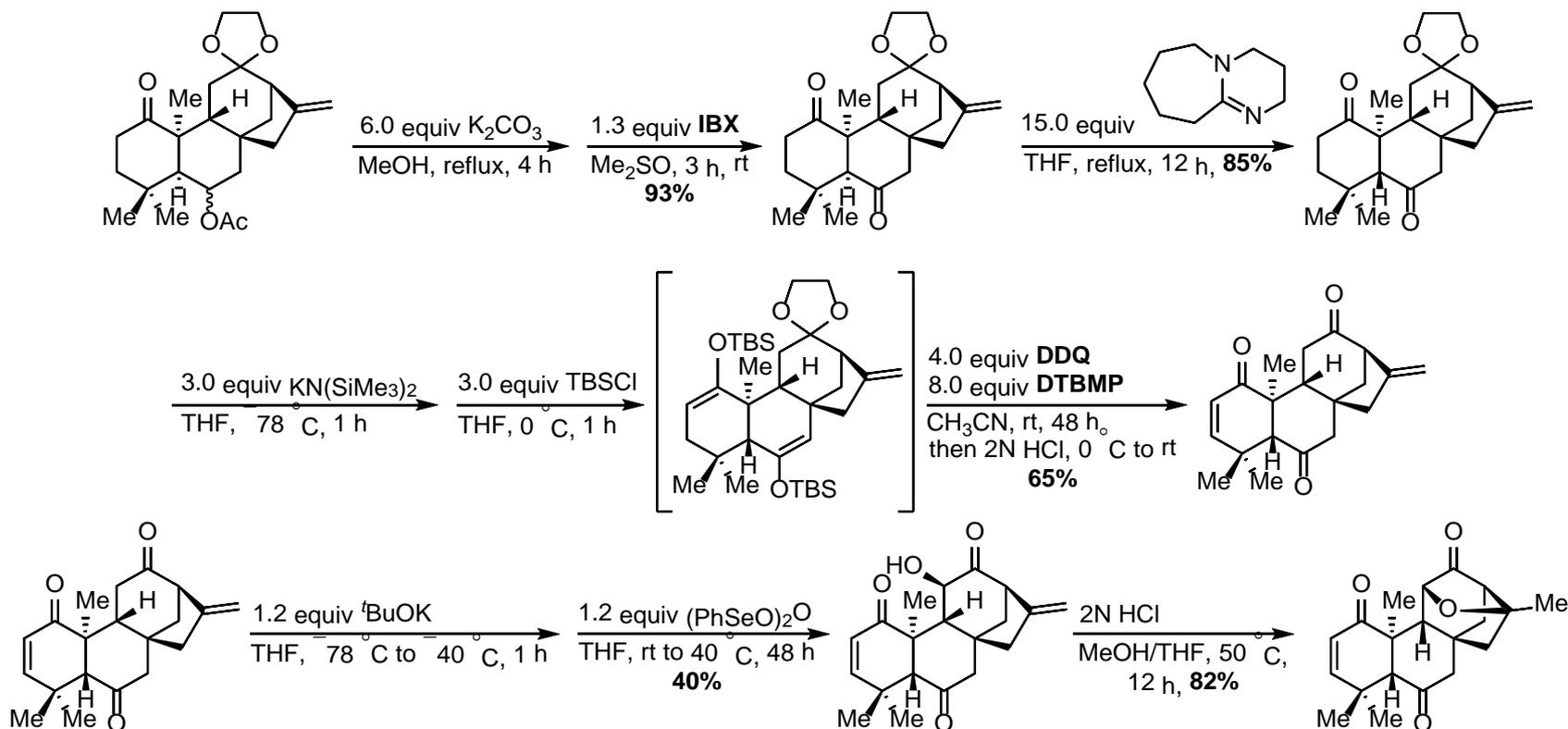
Hoppe's Homoaldol

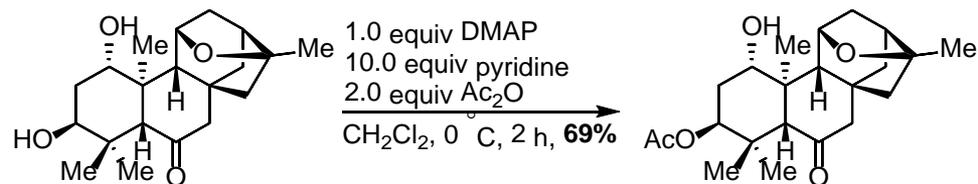
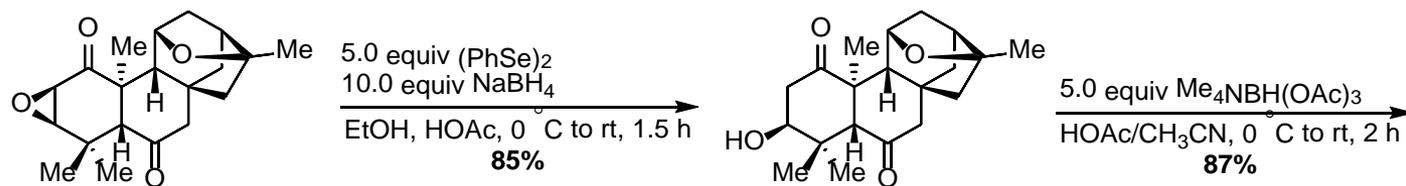
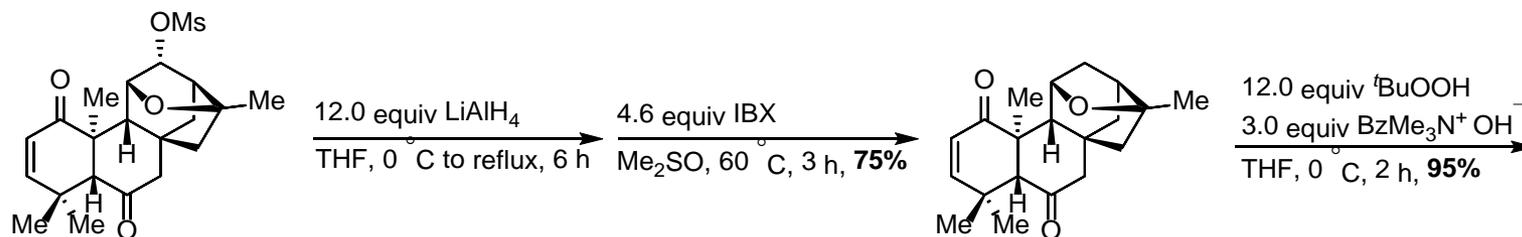
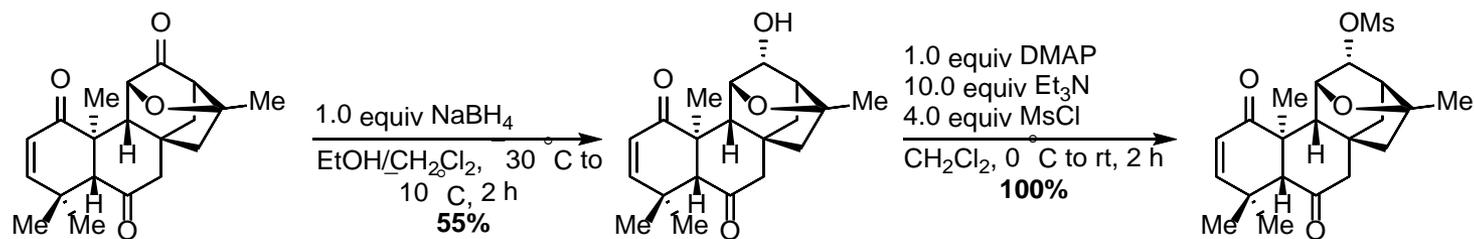


Mukaiyama-Michael type reaction



Finishing the Core Structure





Lungshengenin D

CBS Catalytic Cycle

