

Enantioselective Total Synthesis of (-)-Daphenylline

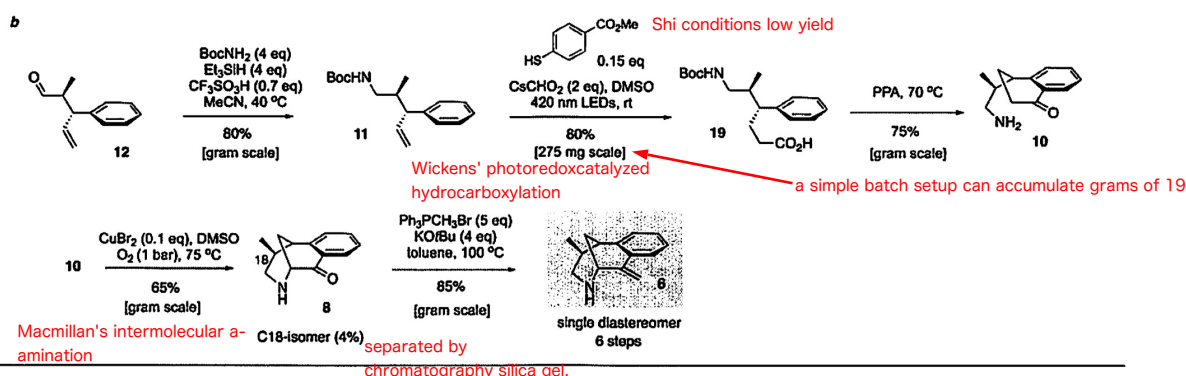
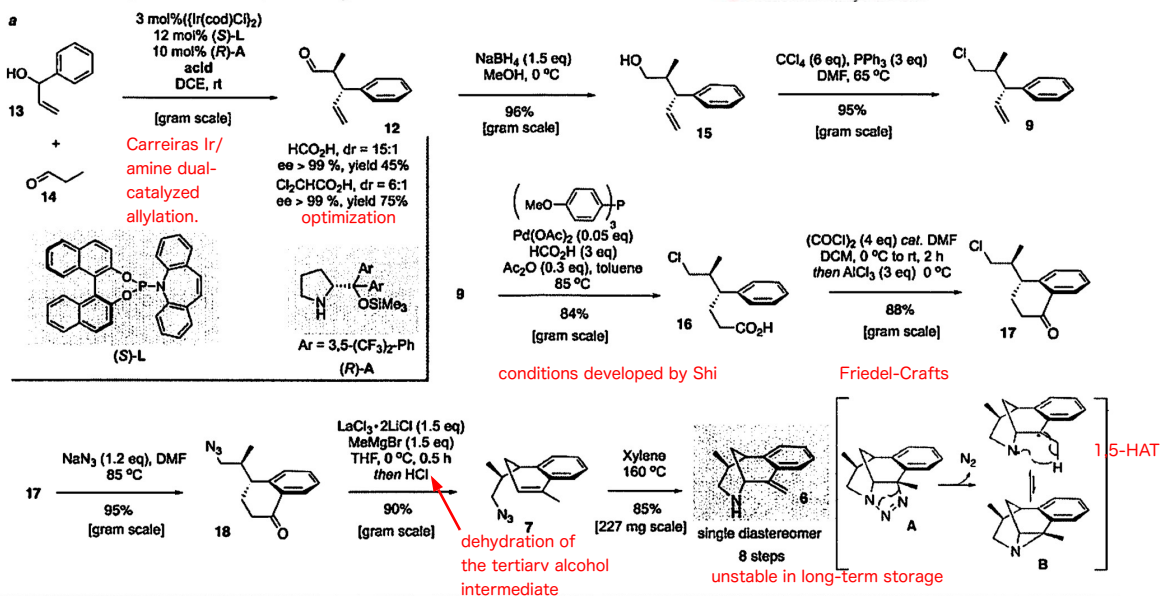
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- C2 and C18, catalytic asymmetric
- photoredox-catalyzed alkene hydrocarboxylation
- Pd-catalyzed reductive Heck
- Krische's Rh-catalyzed reductive enyne cyclization
- Friedel-Crafts cyclization

Scheme 2. Preparation of Allylic Bridgehead Amine



Scheme 3. Completion of the Synthesis of (-)-Daphenylline

