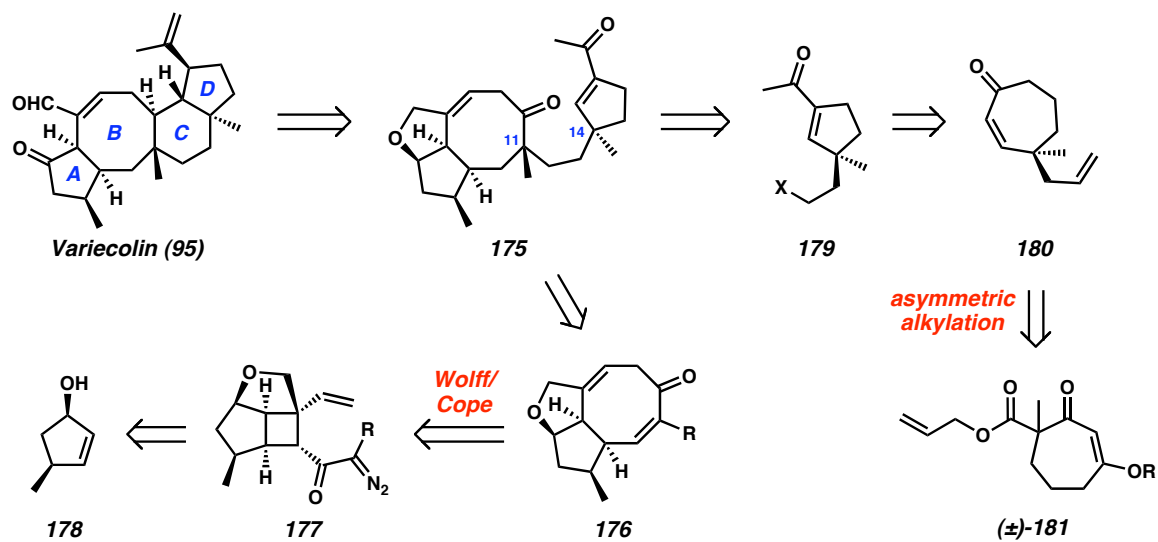


APPENDIX 1

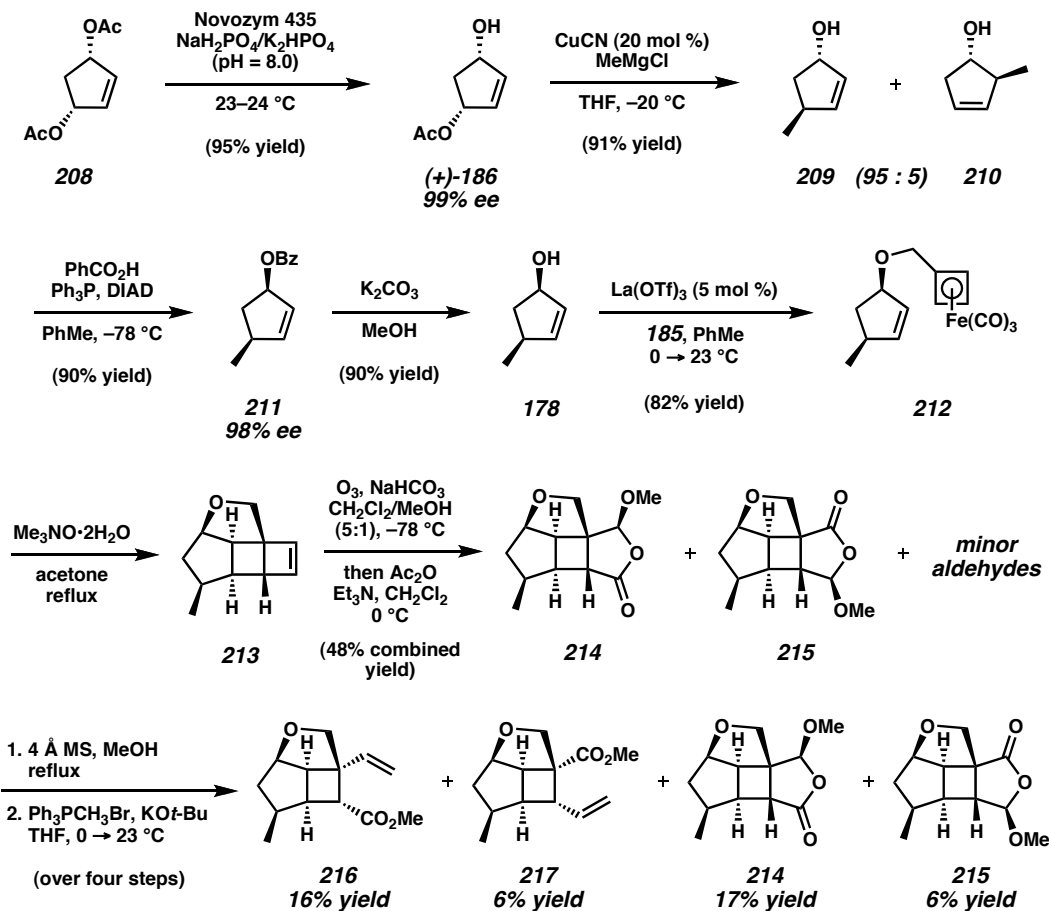
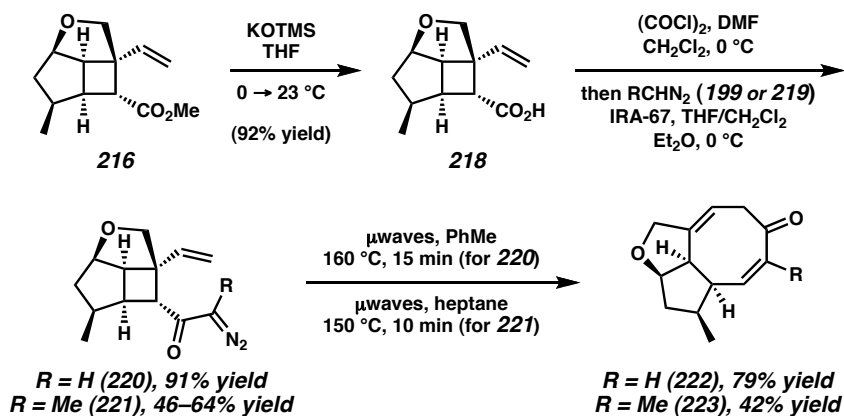
Synthetic Summary toward the Asymmetric

Total Synthesis of Variocolin

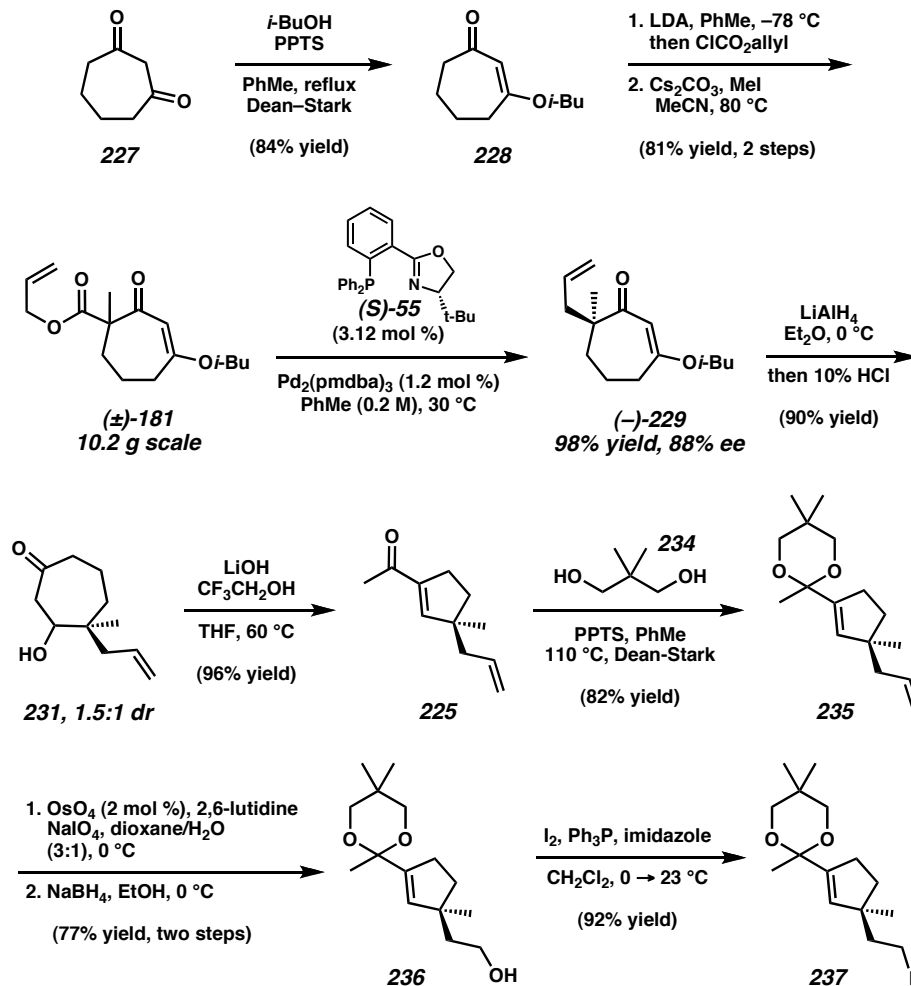
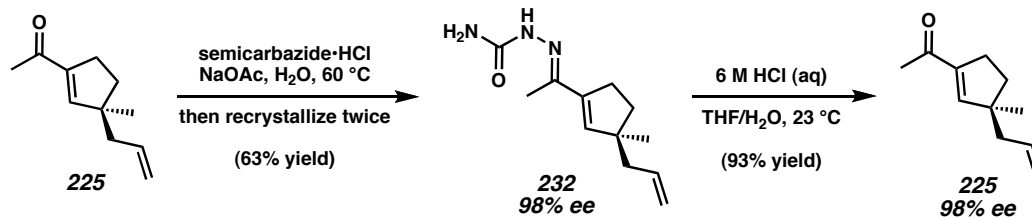
Scheme A1.1. Retrosynthetic analysis of variocolin



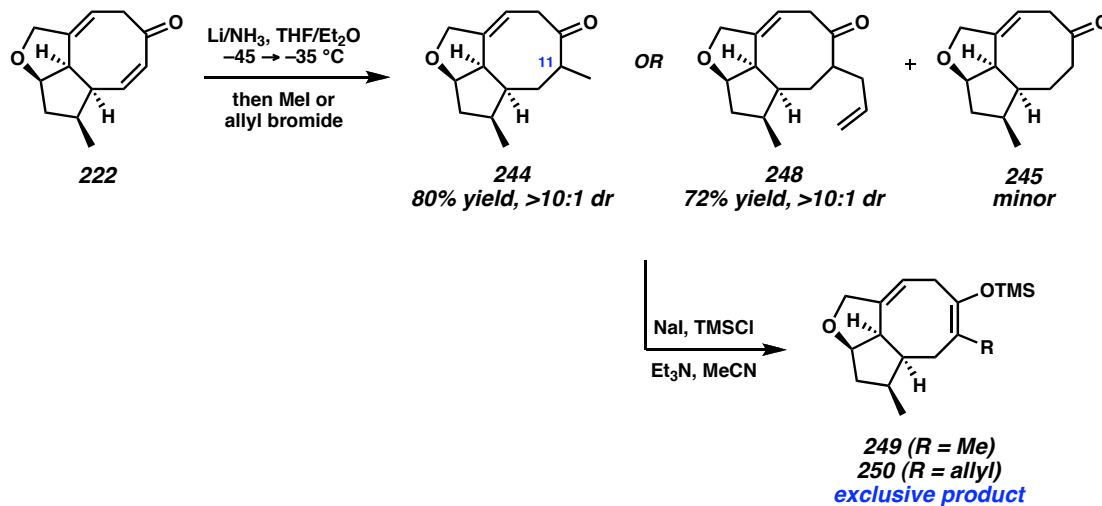
Scheme A1.2. Intramolecular cycloaddition and unsymmetrical ozonolysis toward the AB ring

Scheme A1.3. α -Diazoketone synthesis and Wolff/Cope rearrangement to AB ring fragments

Scheme A1.4. Asymmetric alkylation and ring contraction to the D-ring fragment

Scheme A1.5. Enrichment of acylcyclopentene **225** for the D-ring fragment

Scheme A1.6. AB ring reductive alkylation and soft enolization poised for fragment coupling



Scheme A1.7. Proposed completion of variecolin

