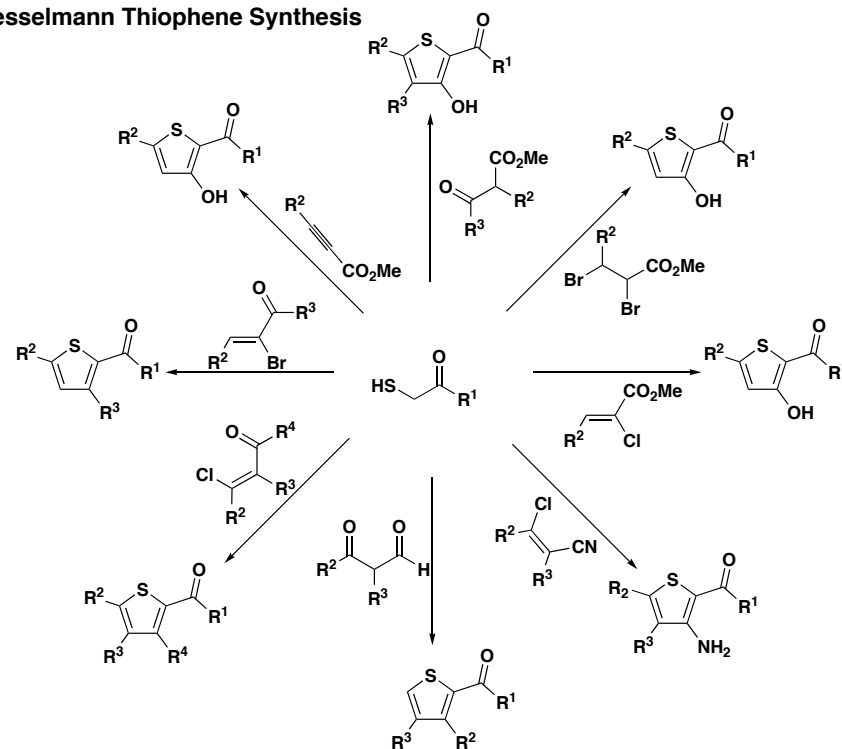
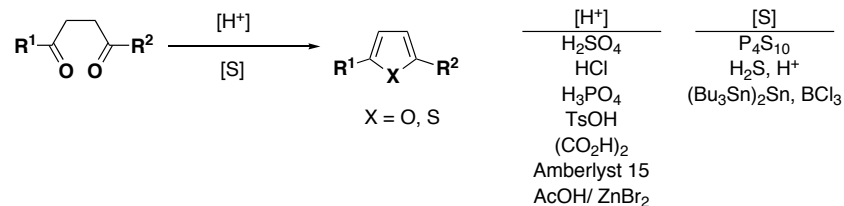


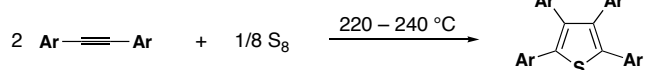
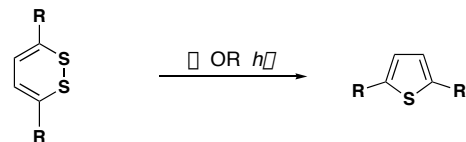
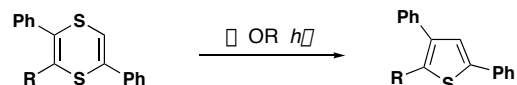
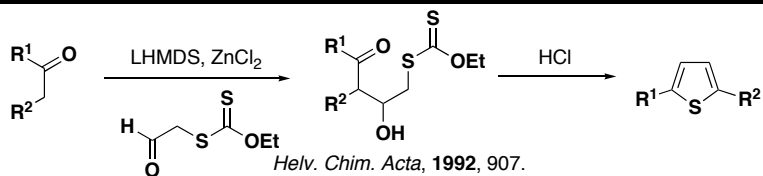
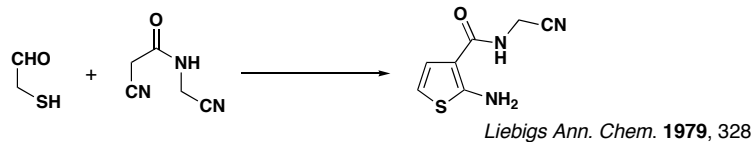
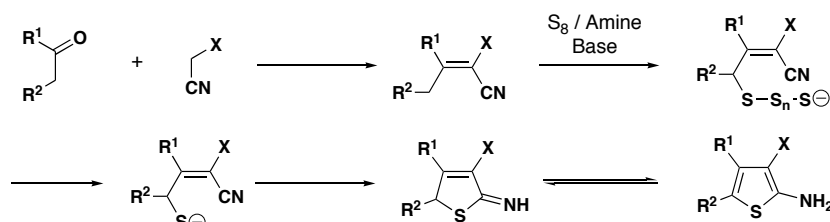
Fiesselman Thiophene Synthesis



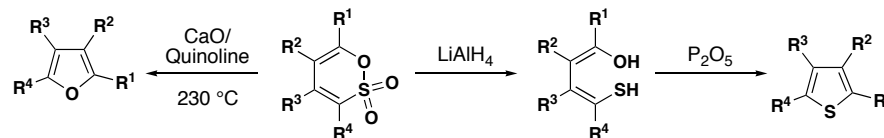
Paal-Knorr



Gewald Aminothiophene Synthesis

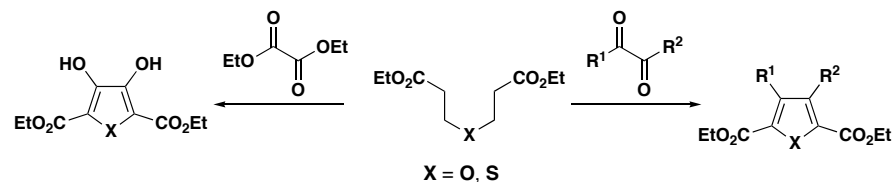


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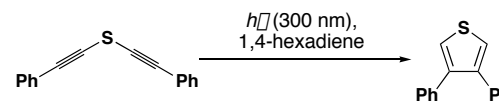
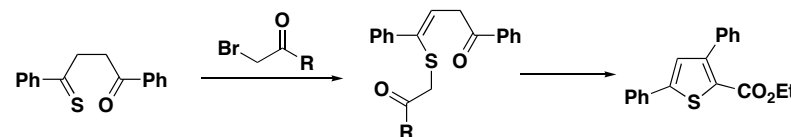


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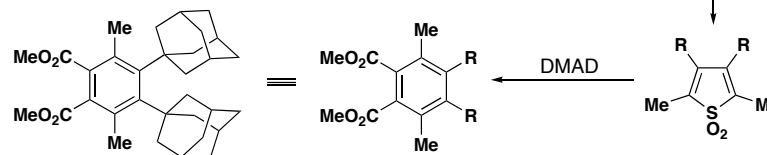
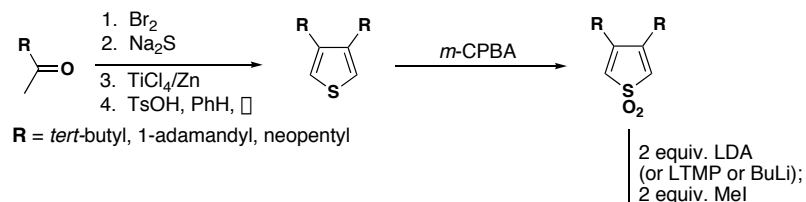
Liebigs Ann. **1960**, 120.



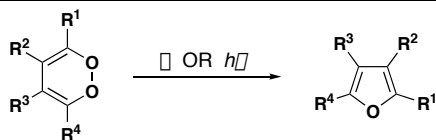
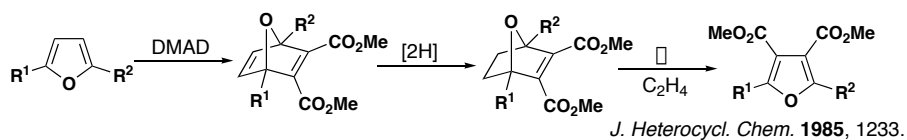
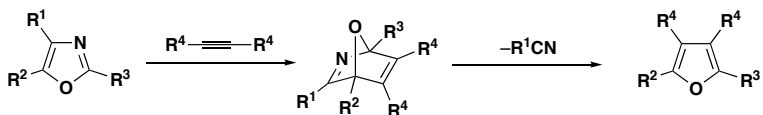
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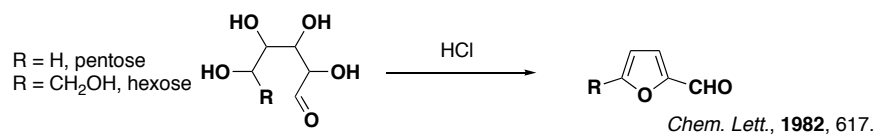
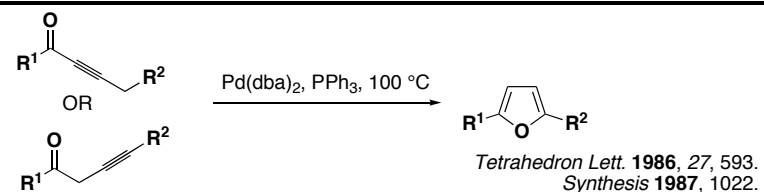
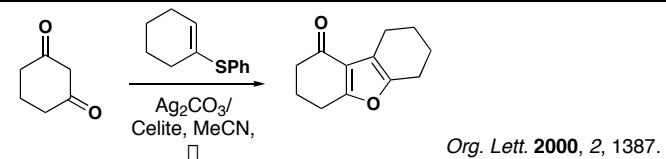
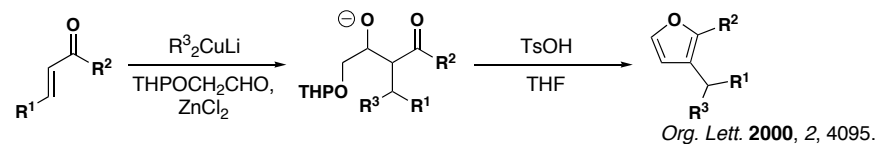
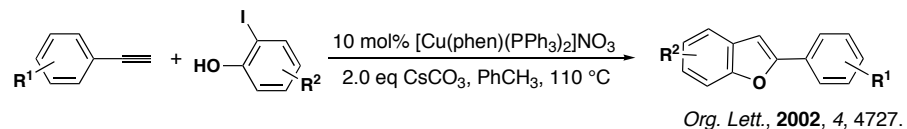
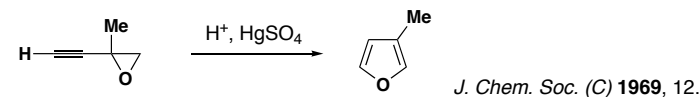
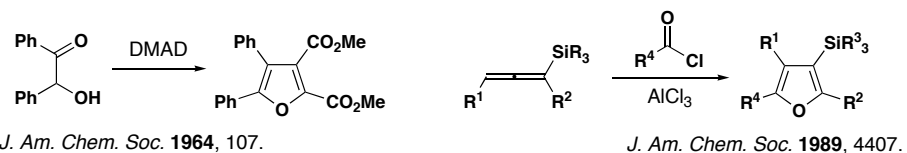
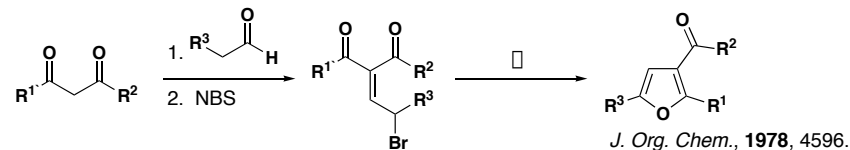
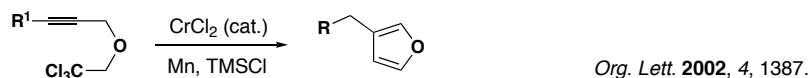
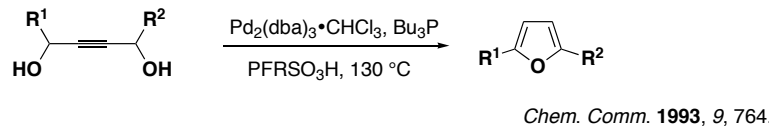
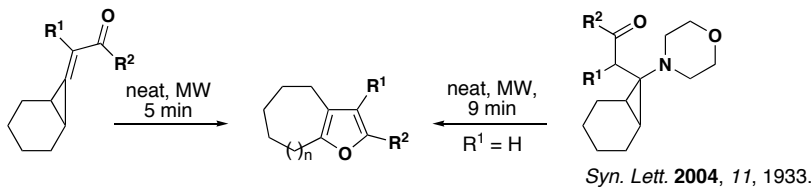
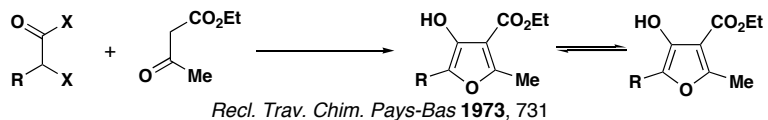
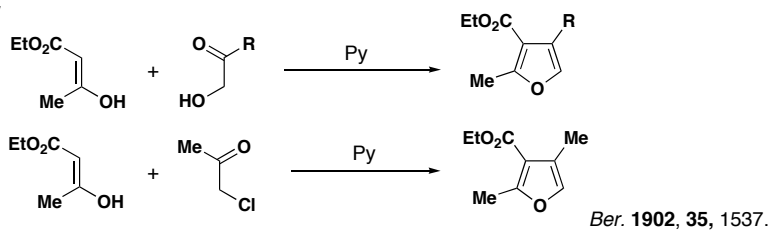
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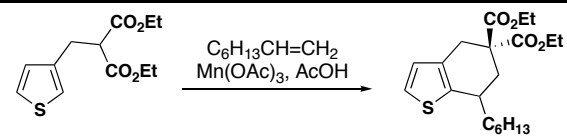
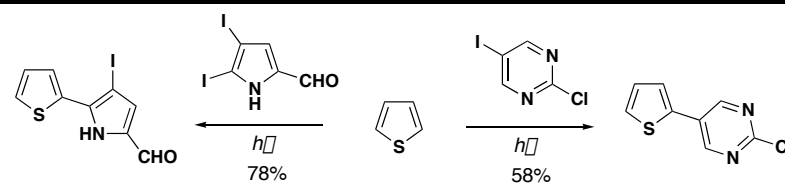
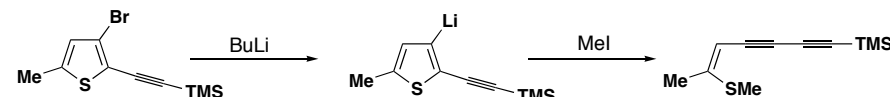
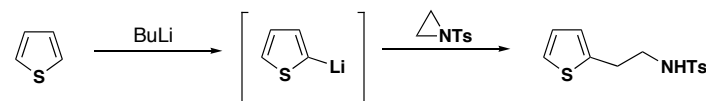
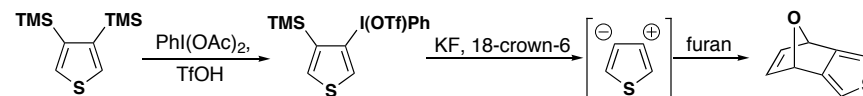
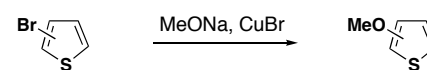
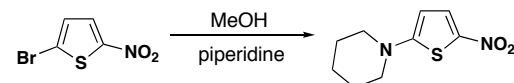
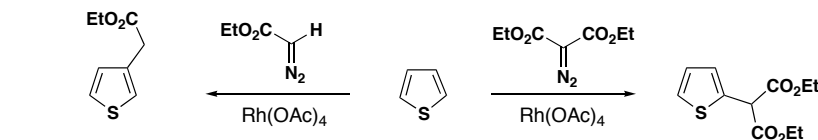
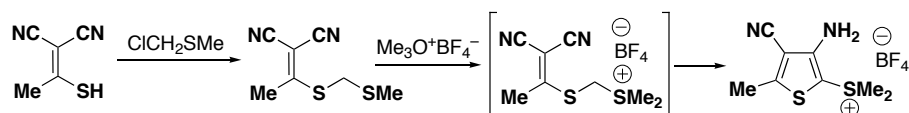
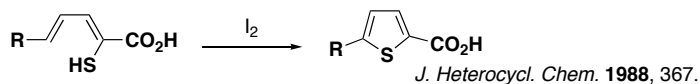
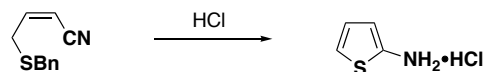


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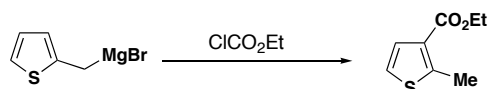
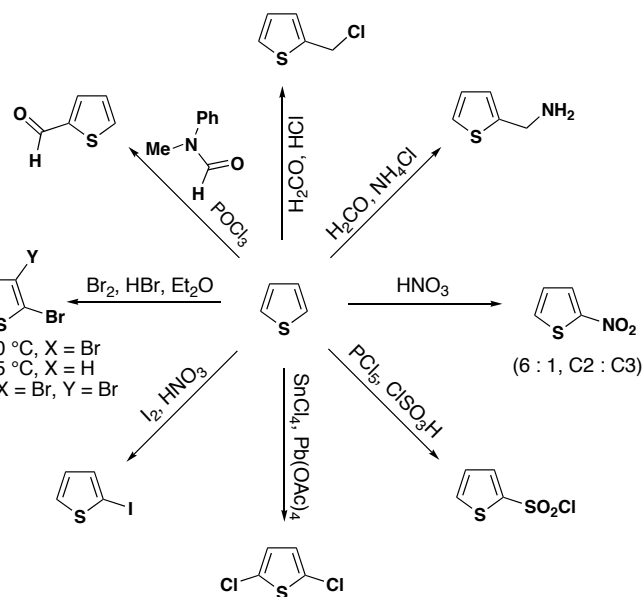
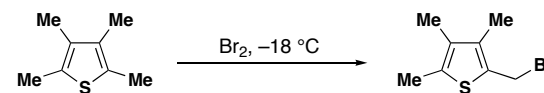


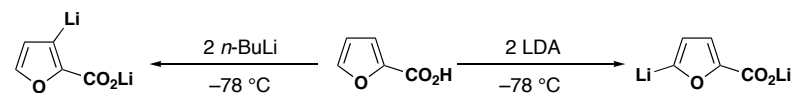
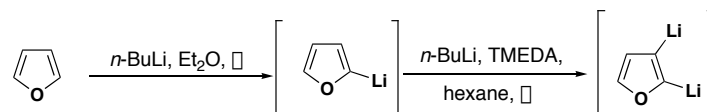
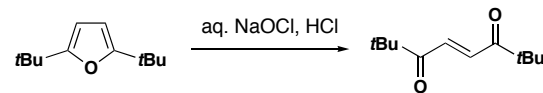
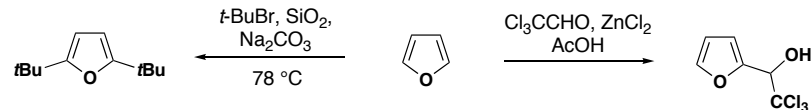
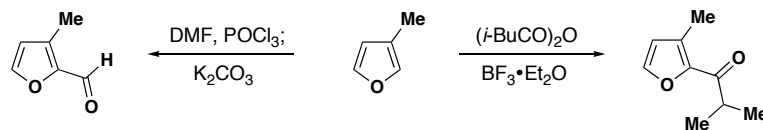
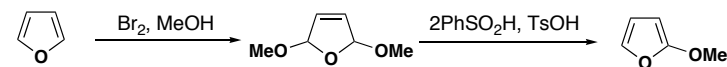
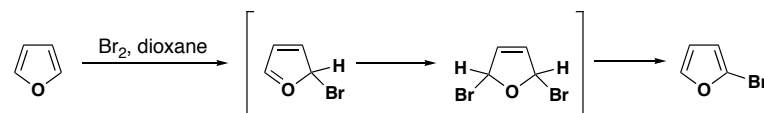
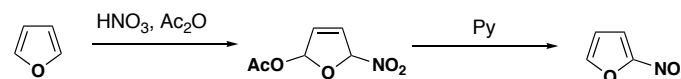
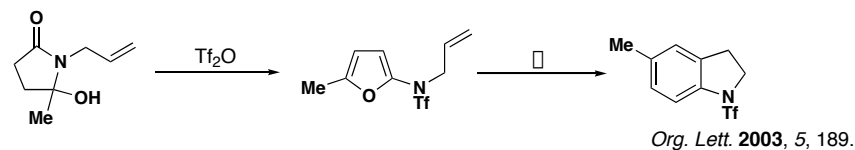
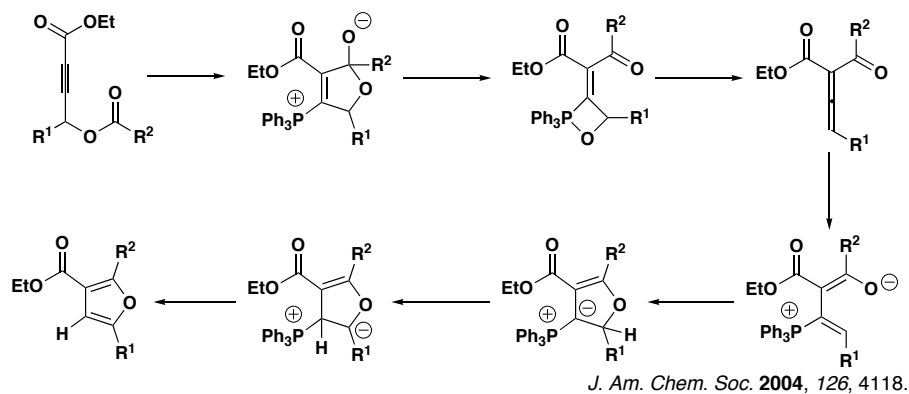
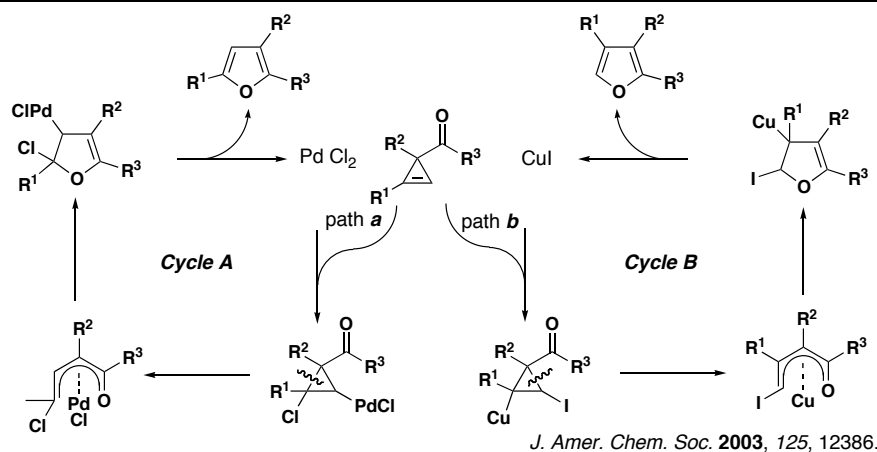
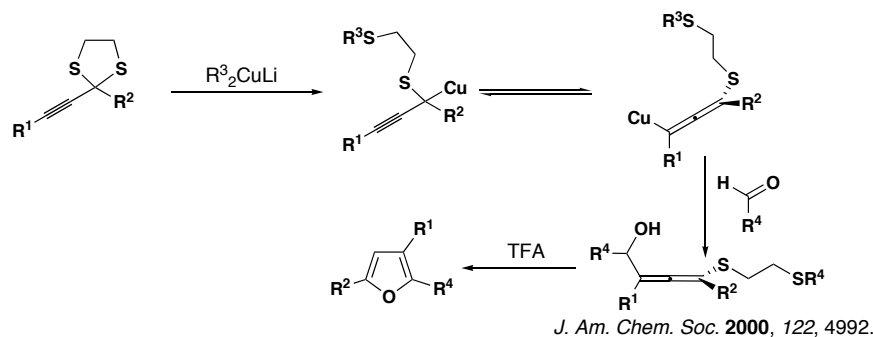
Feist-Benary

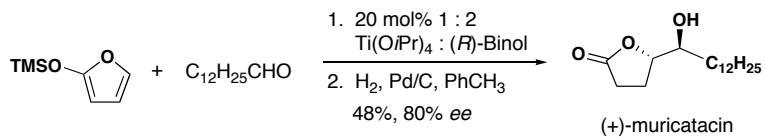




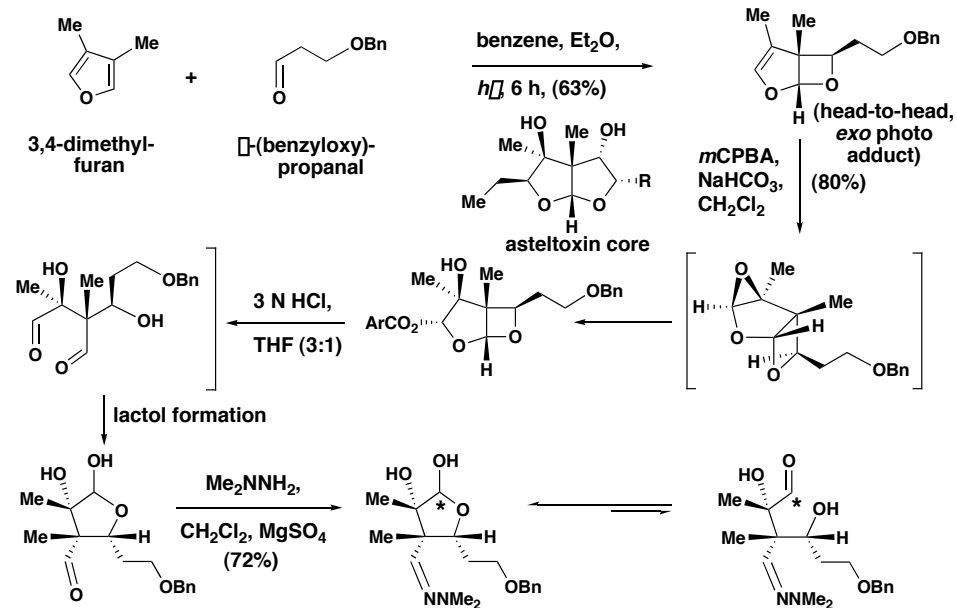
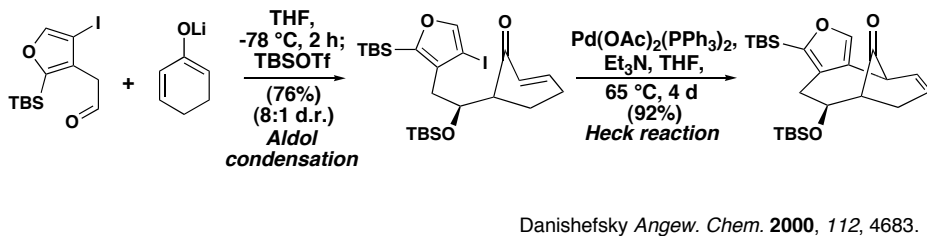
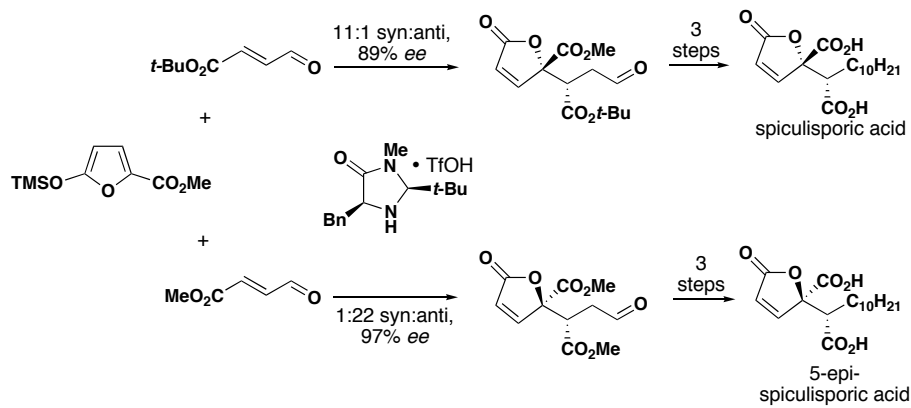
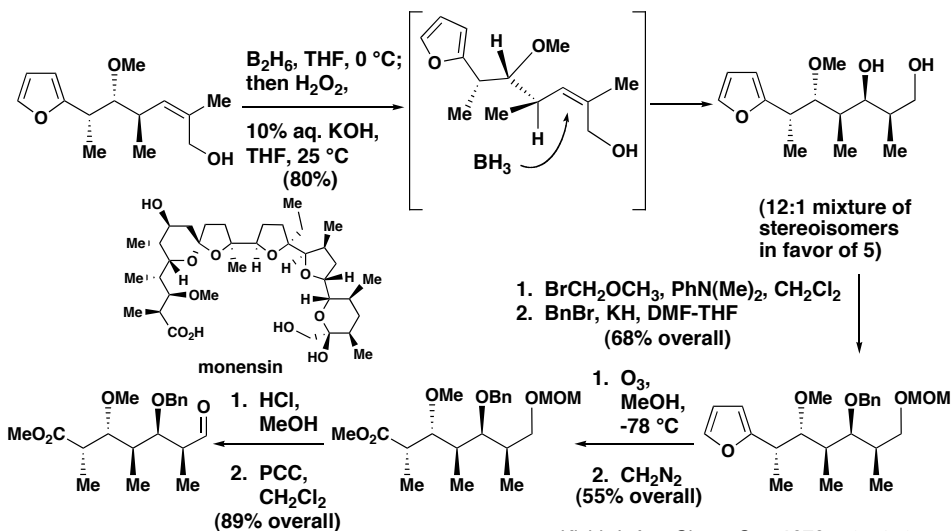
Modern techniques involve Suzuki, Heck, Stille, Kumada couplings

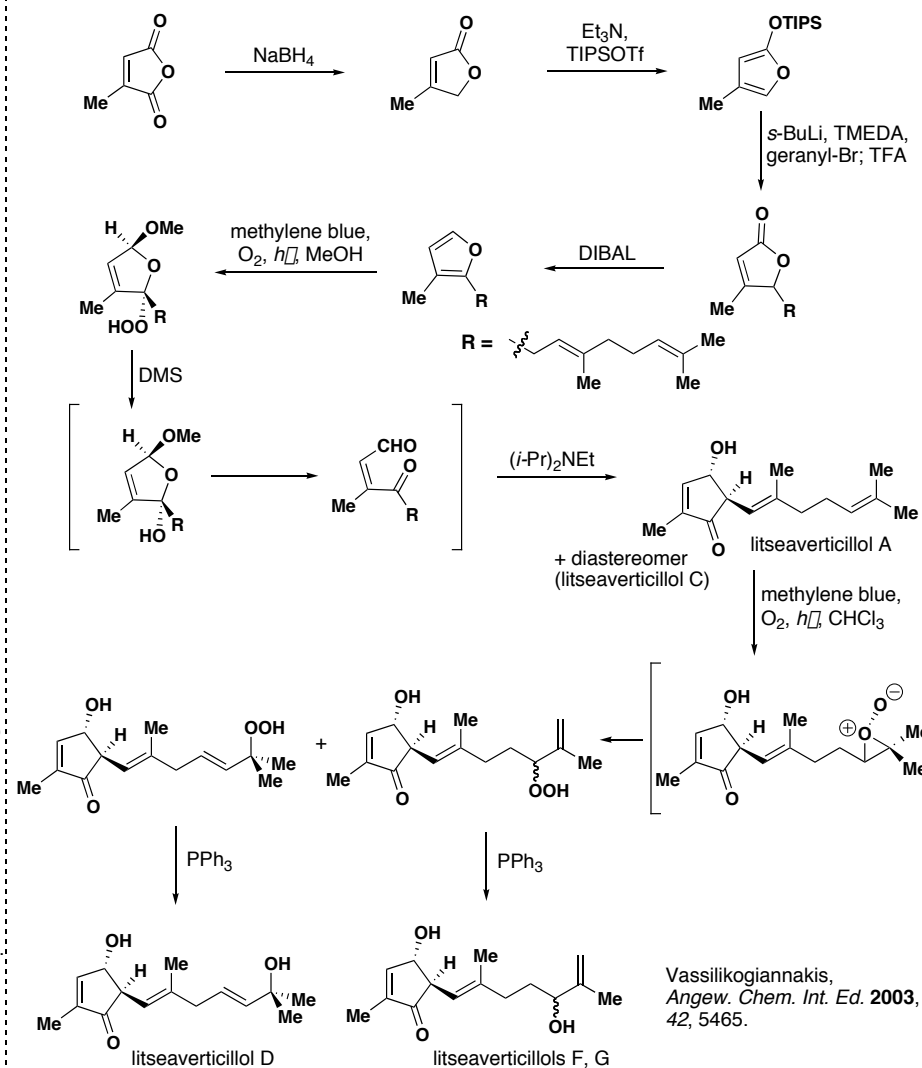
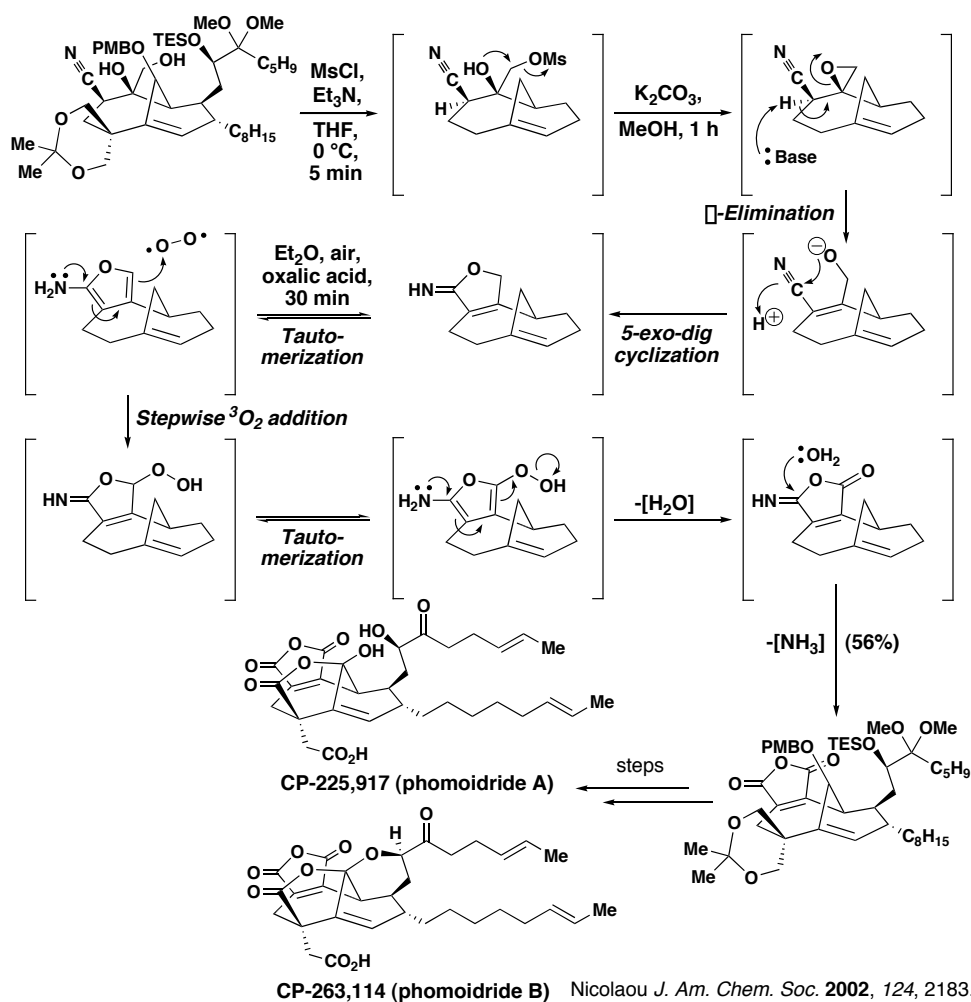


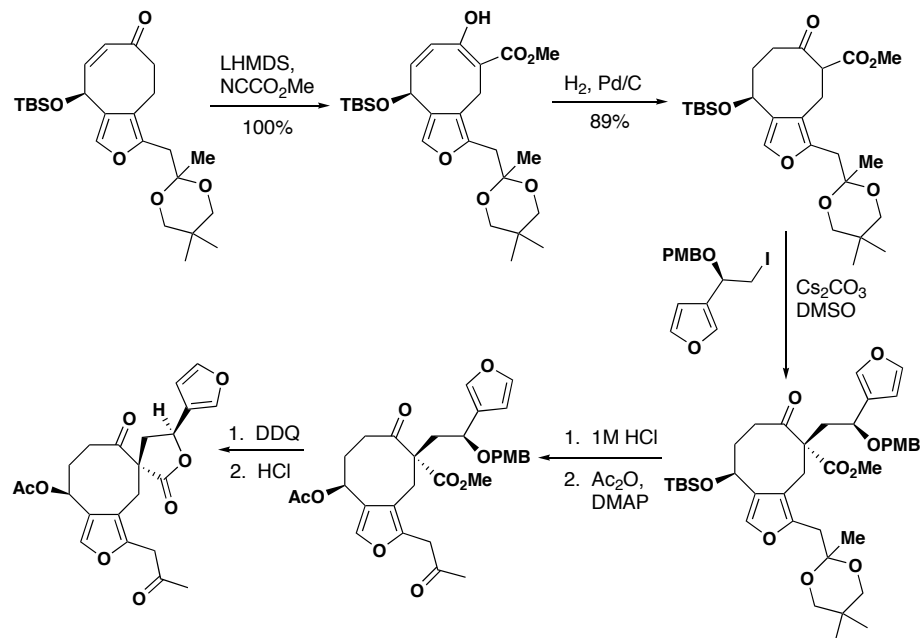
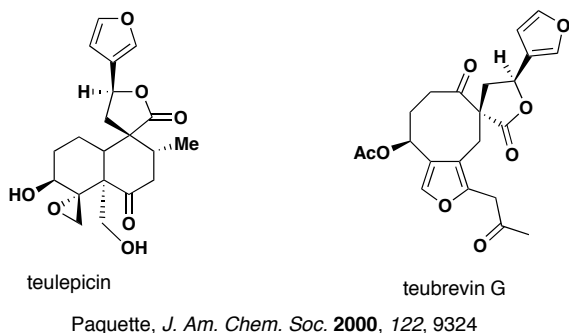




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