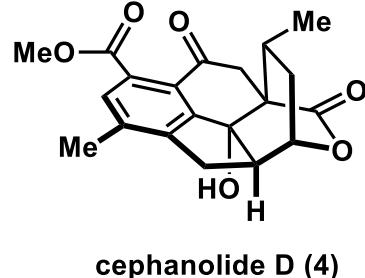
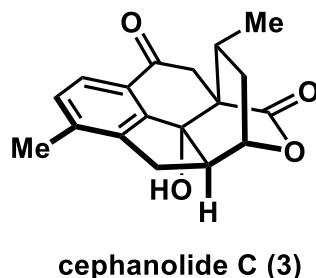
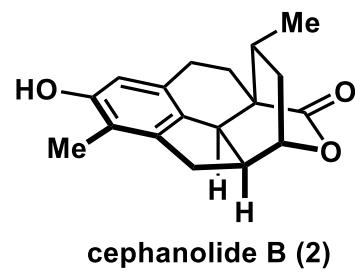
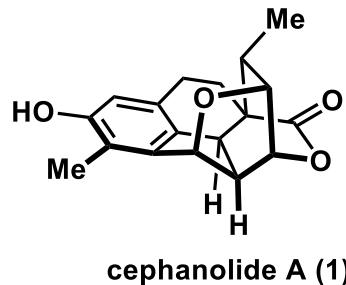


Total Synthesis of the *Cephalotaxus* Norditerpenoids (\pm)-Cephanolides A–D

Maximilian Haider,[§] Goh Sennari,[§] Alina Eggert, and Richmond Sarpong*



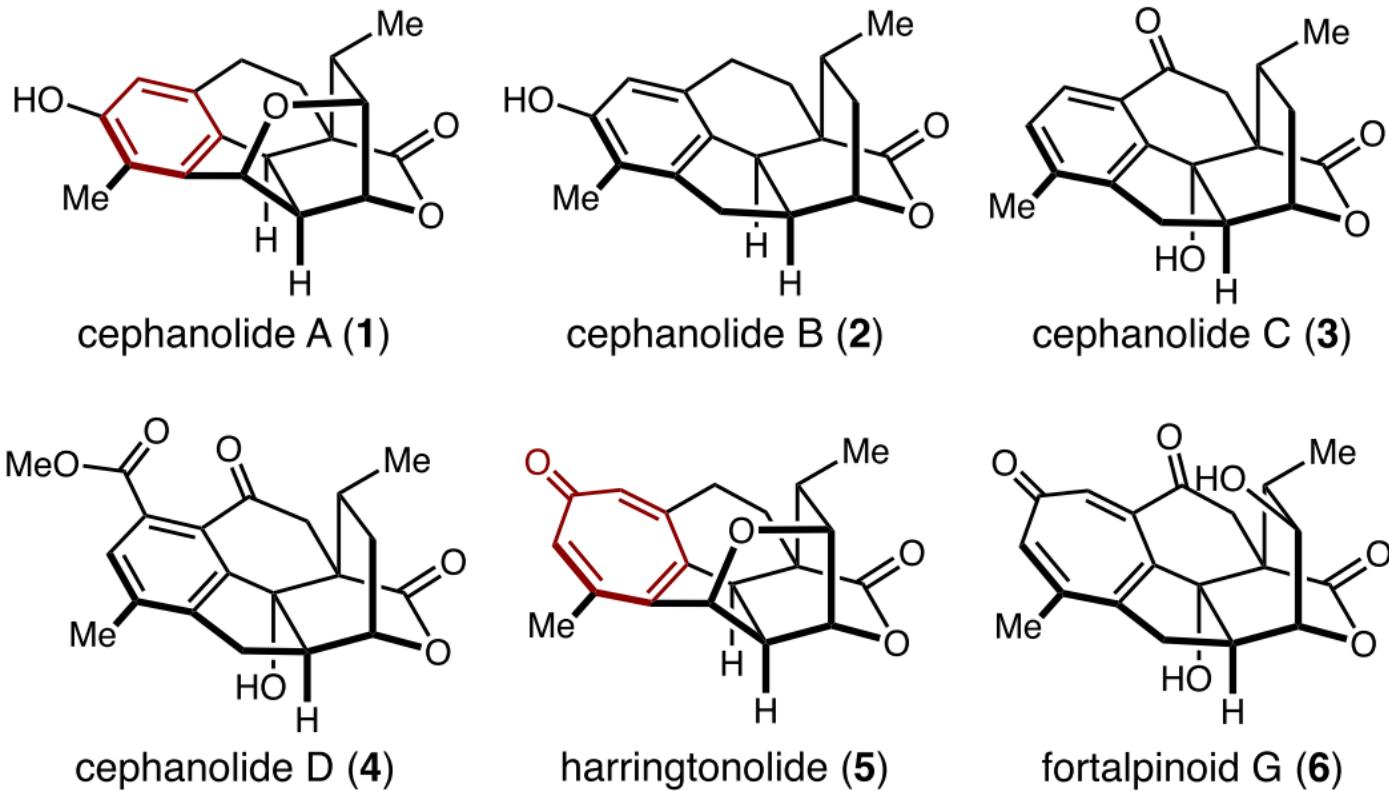
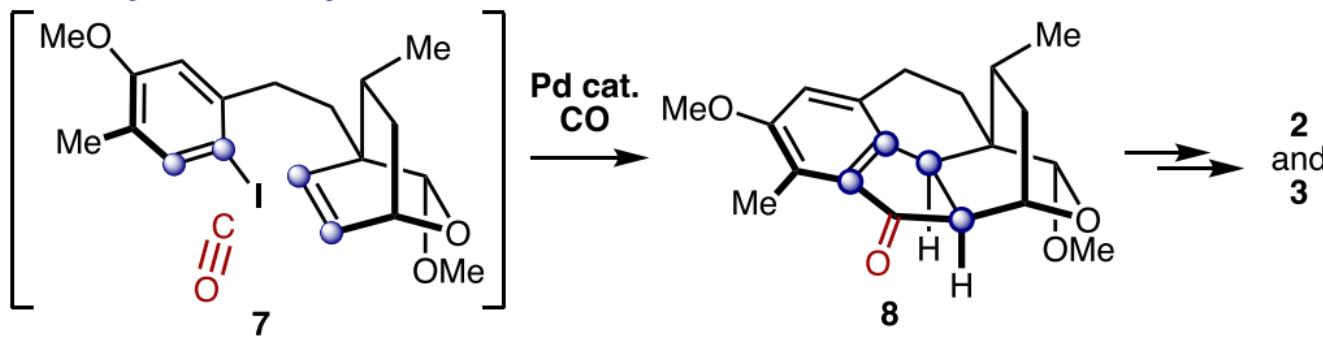


Figure 1. Selected benzenoid and troponoid *Cephalotaxus* diterpenoids.

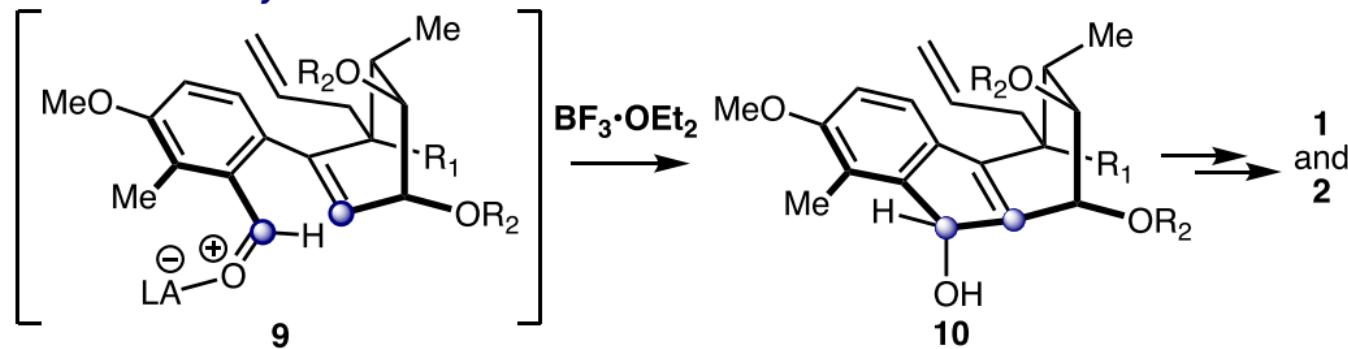
A. Cephanolides B and C by Zhao *et al.* (ref. 20)

Pd-catalyzed carbonylative Heck

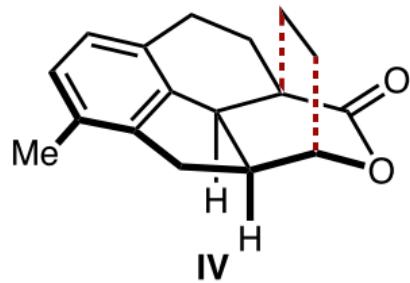
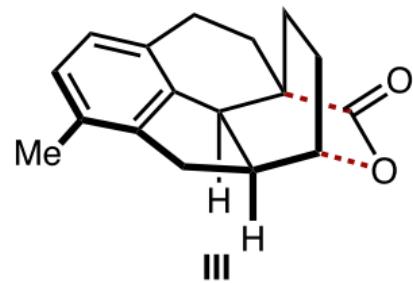
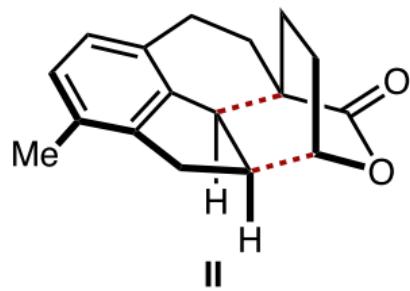
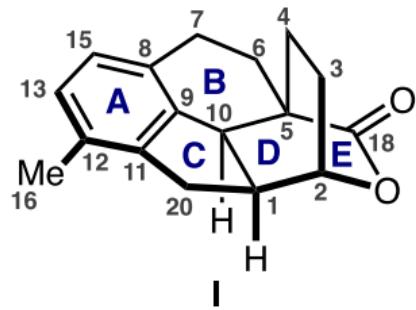


B. Cephanolides A and B by Gao *et al.* (ref. 21 and 22)

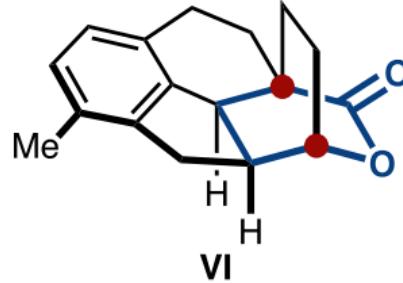
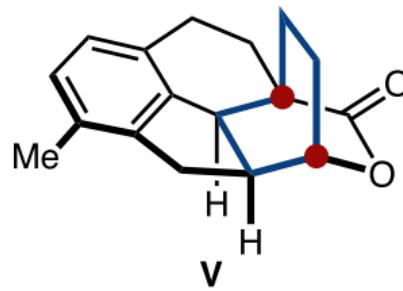
Prins cyclization



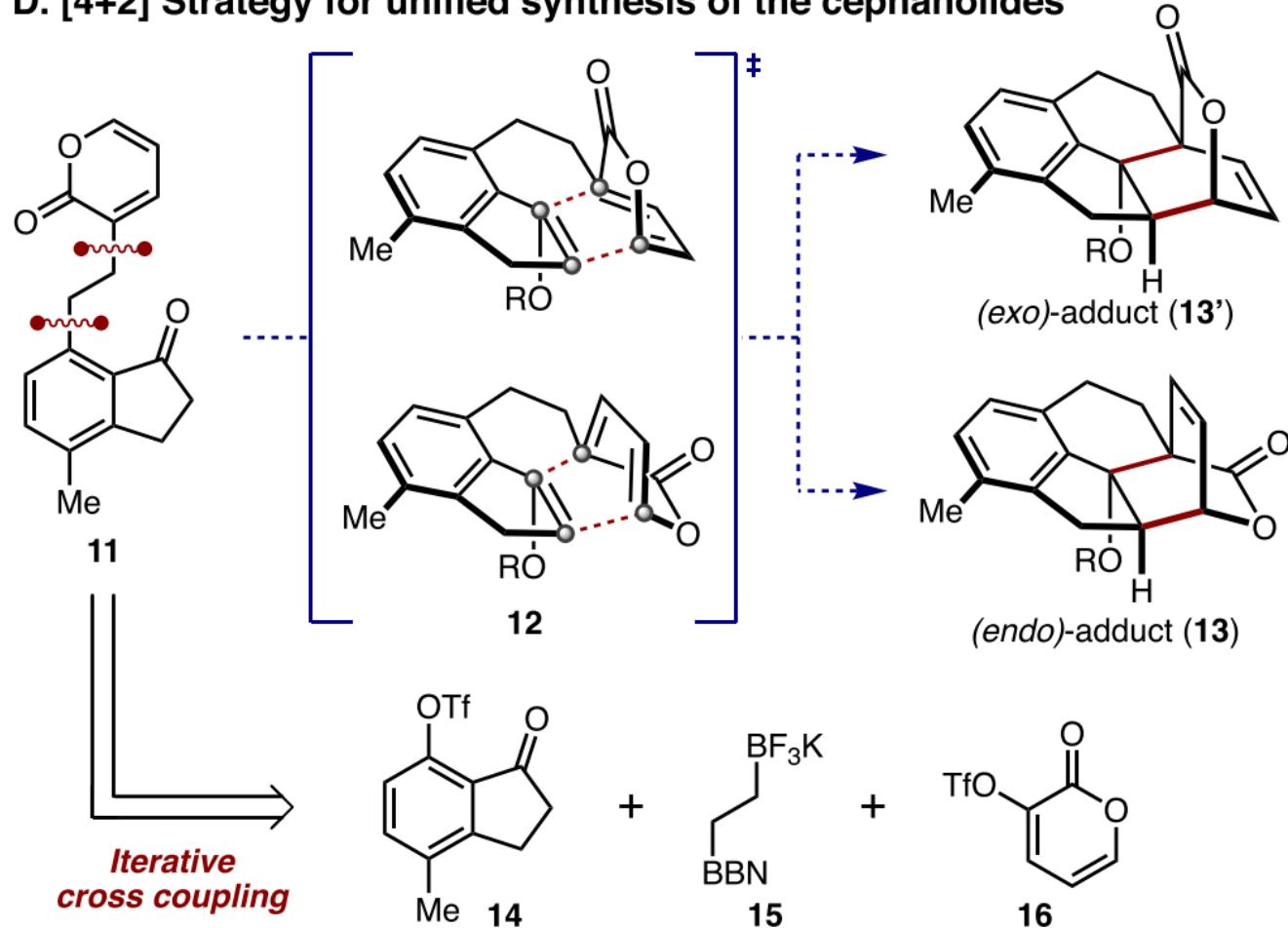
C. Chemical network analysis of the cephalolide framework

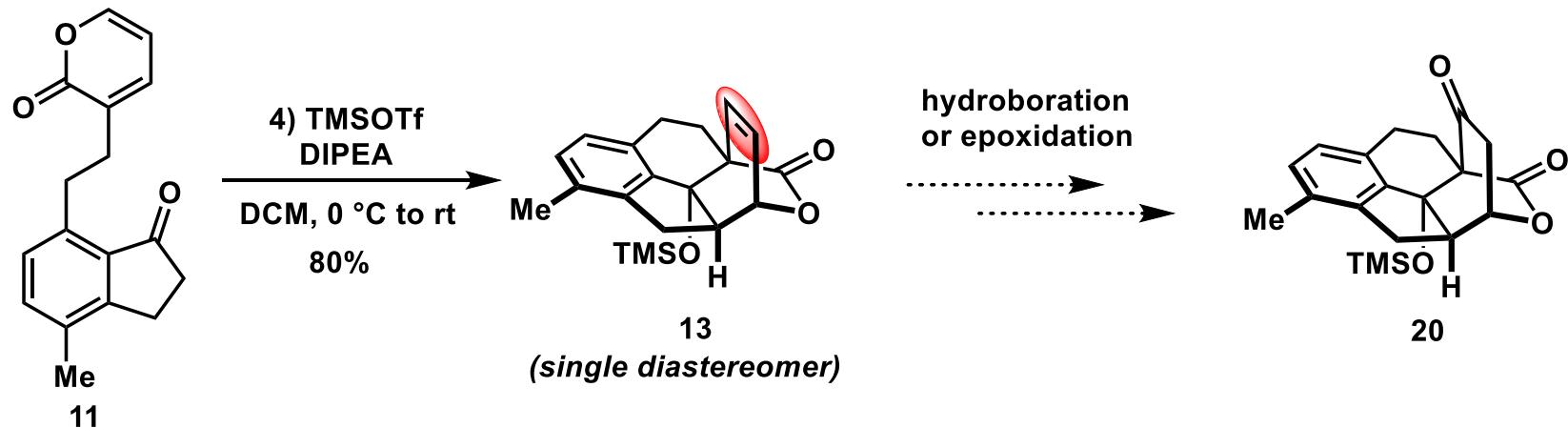
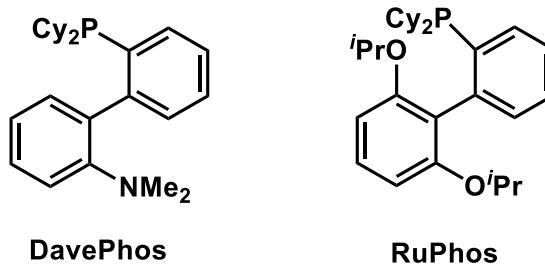
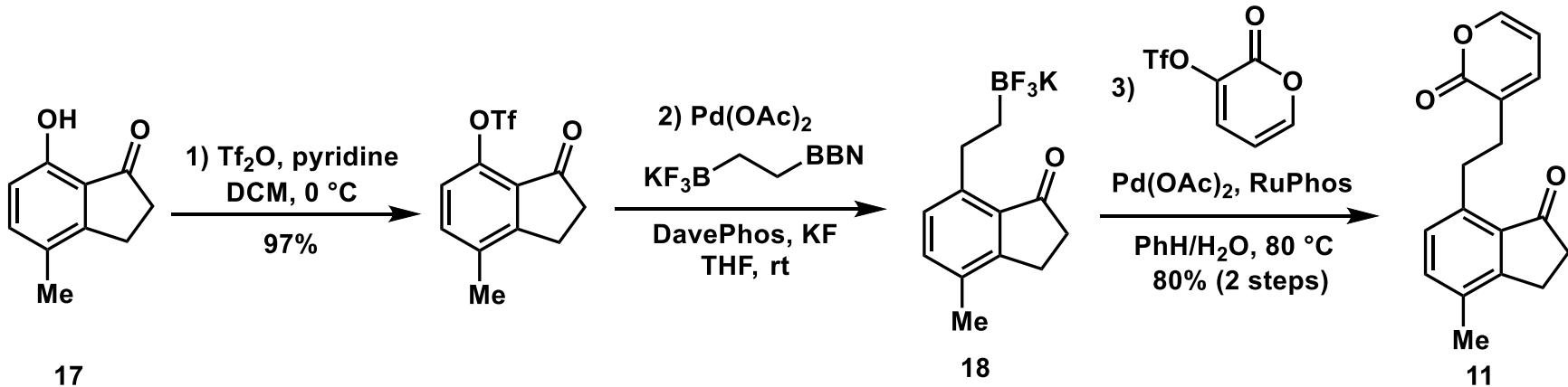


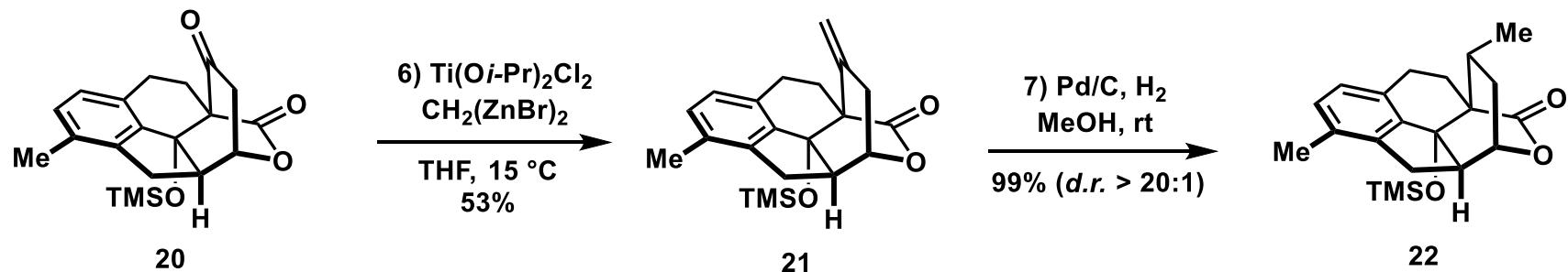
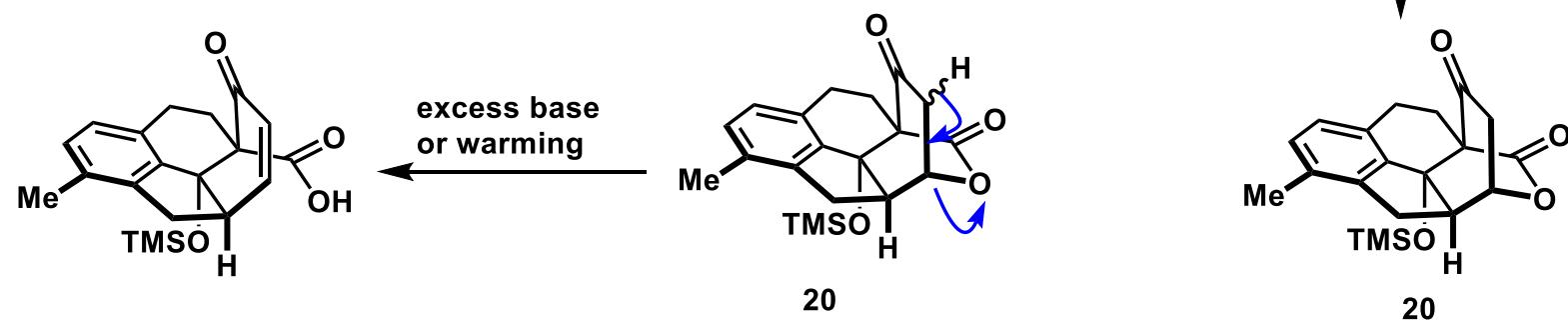
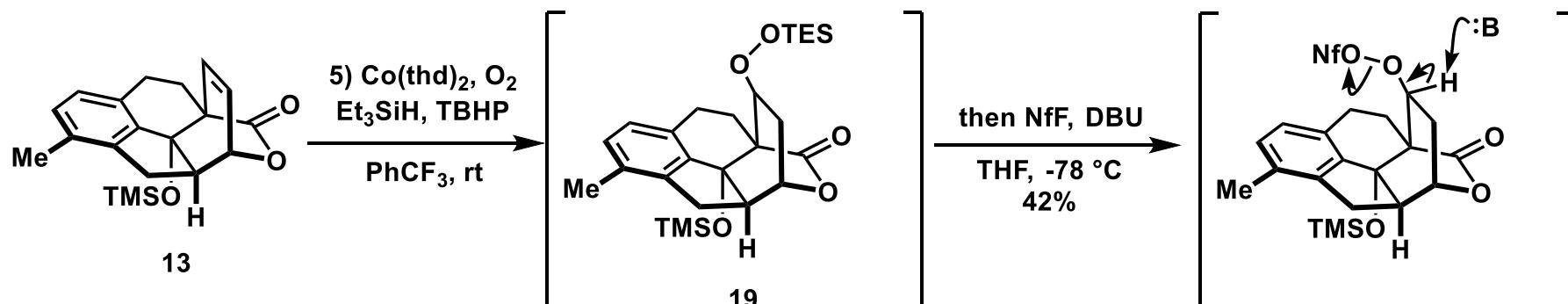
Maximally Bridged Rings



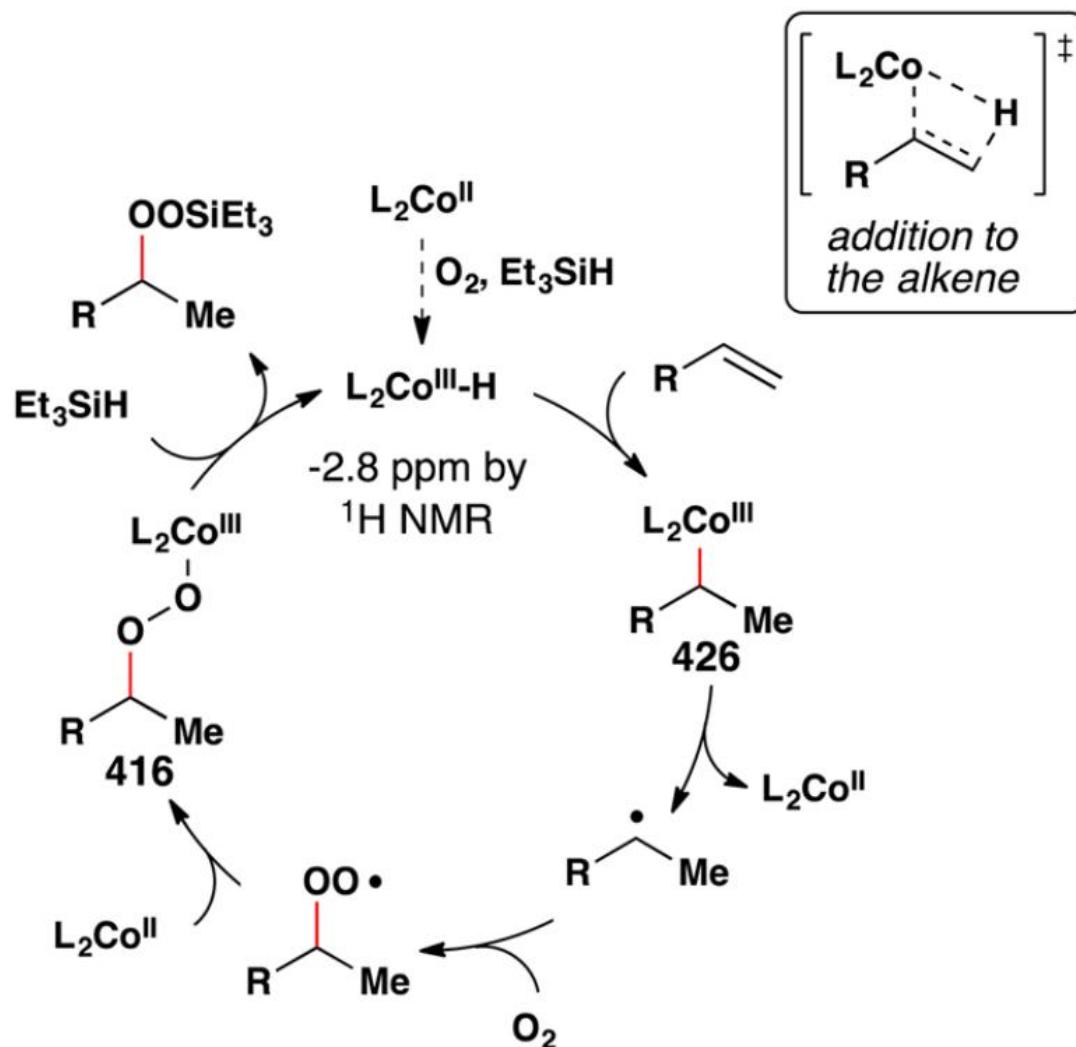
D. [4+2] Strategy for unified synthesis of the cephanolides

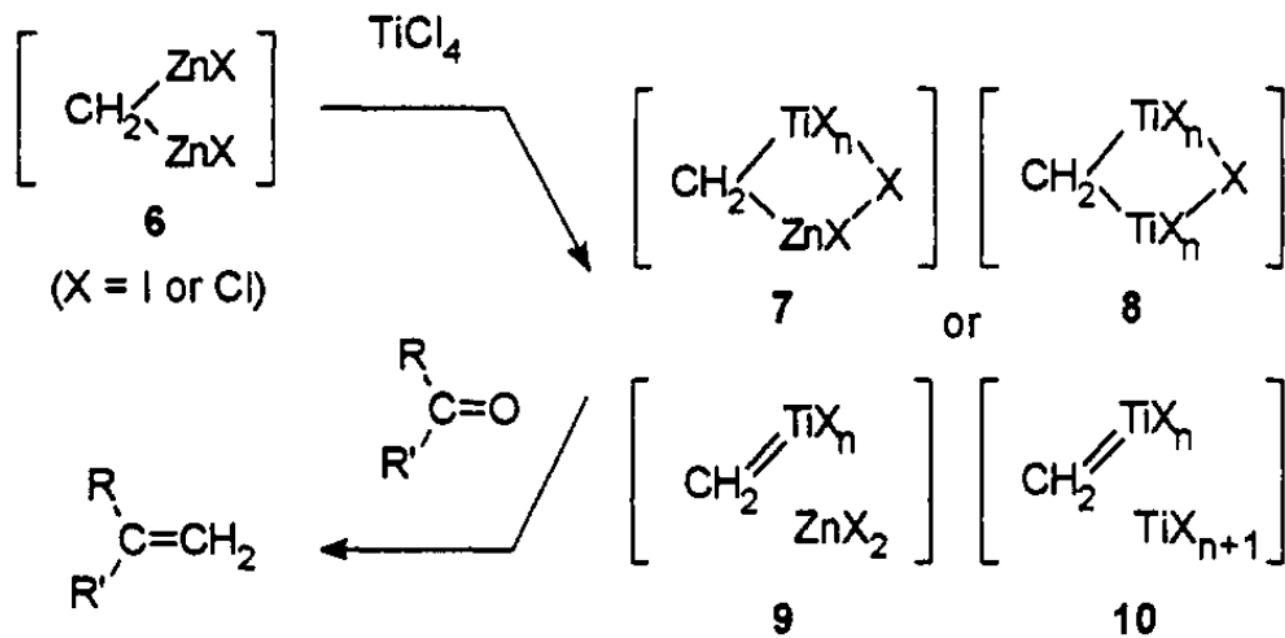


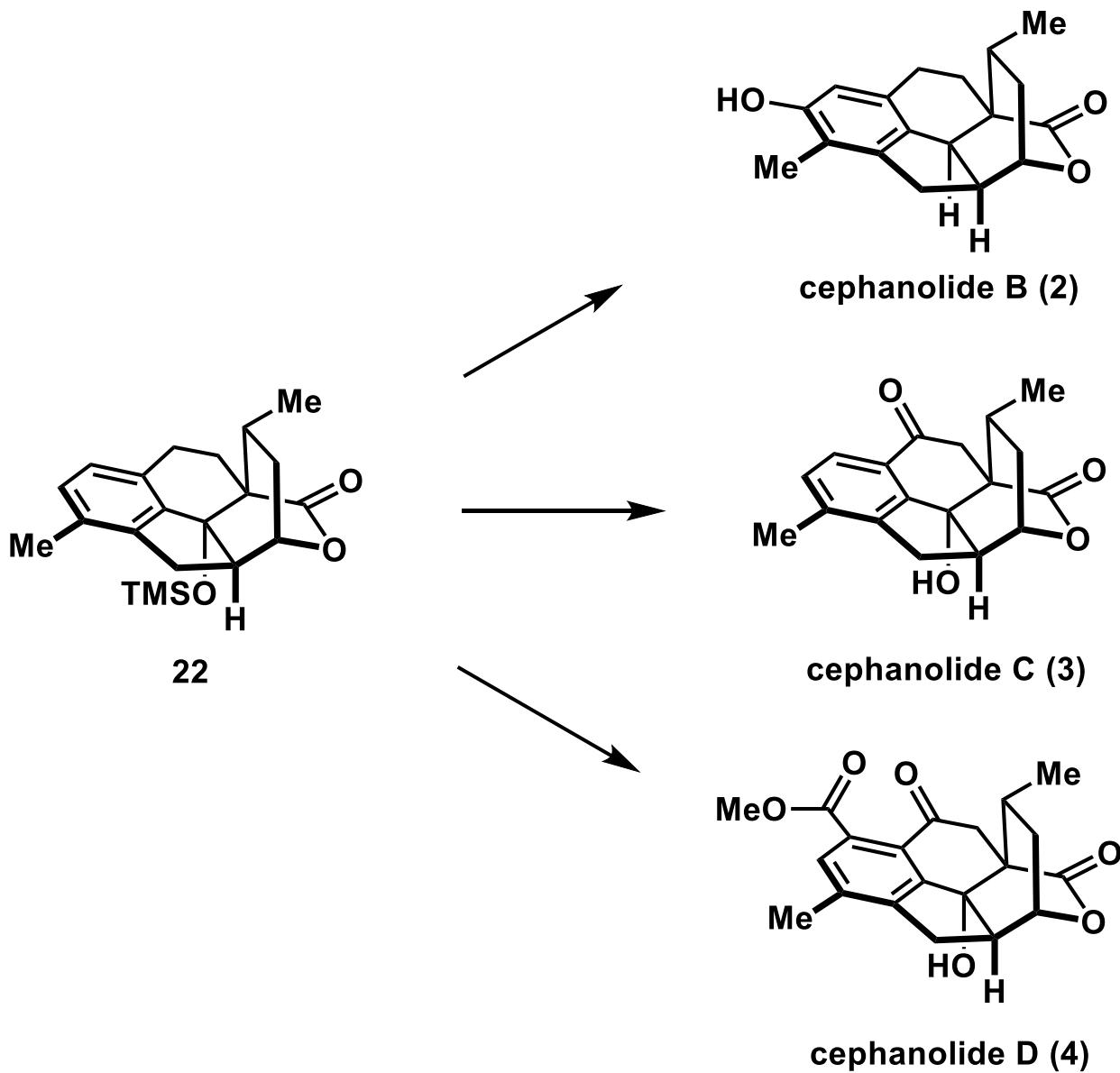


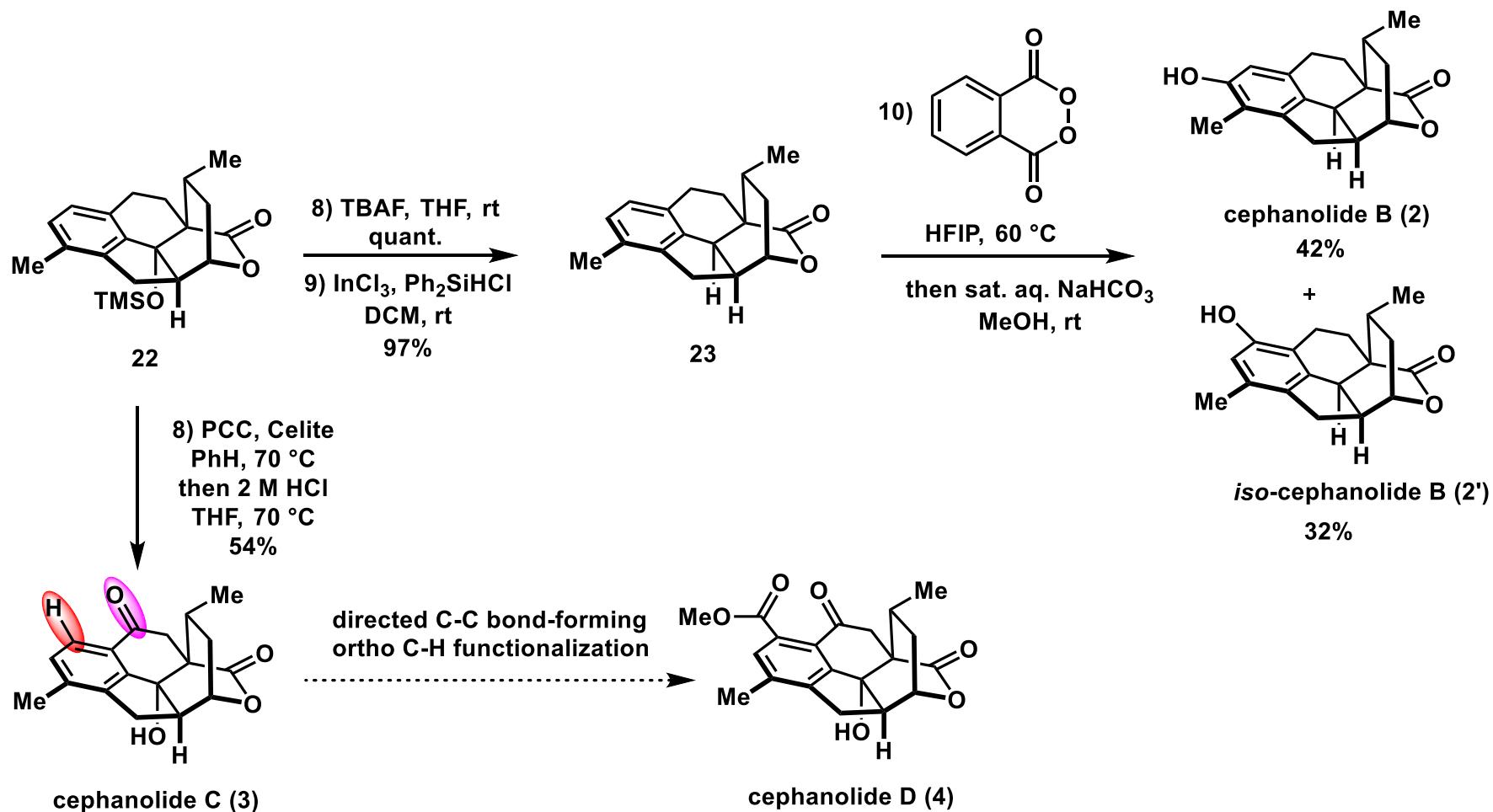


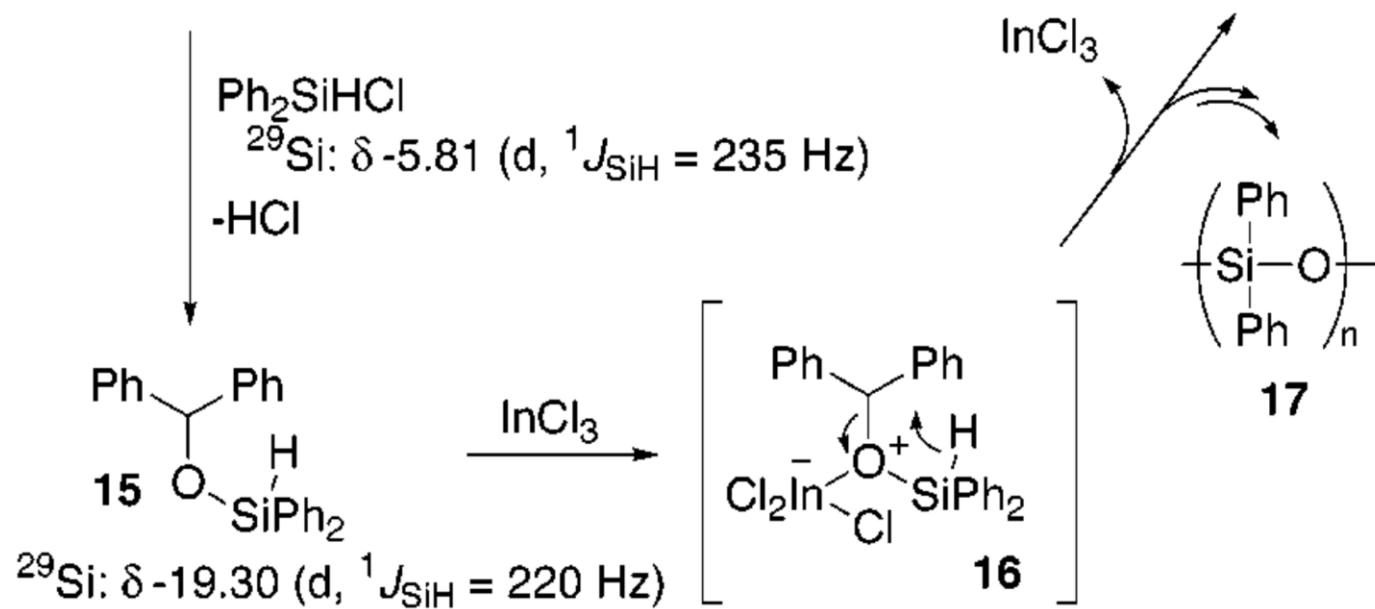
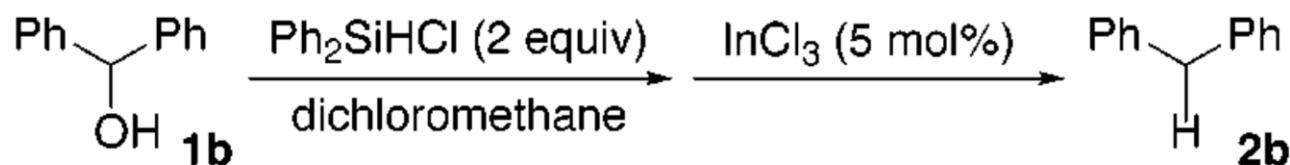
cobalt-catalyzed alkene hydroperoxidation

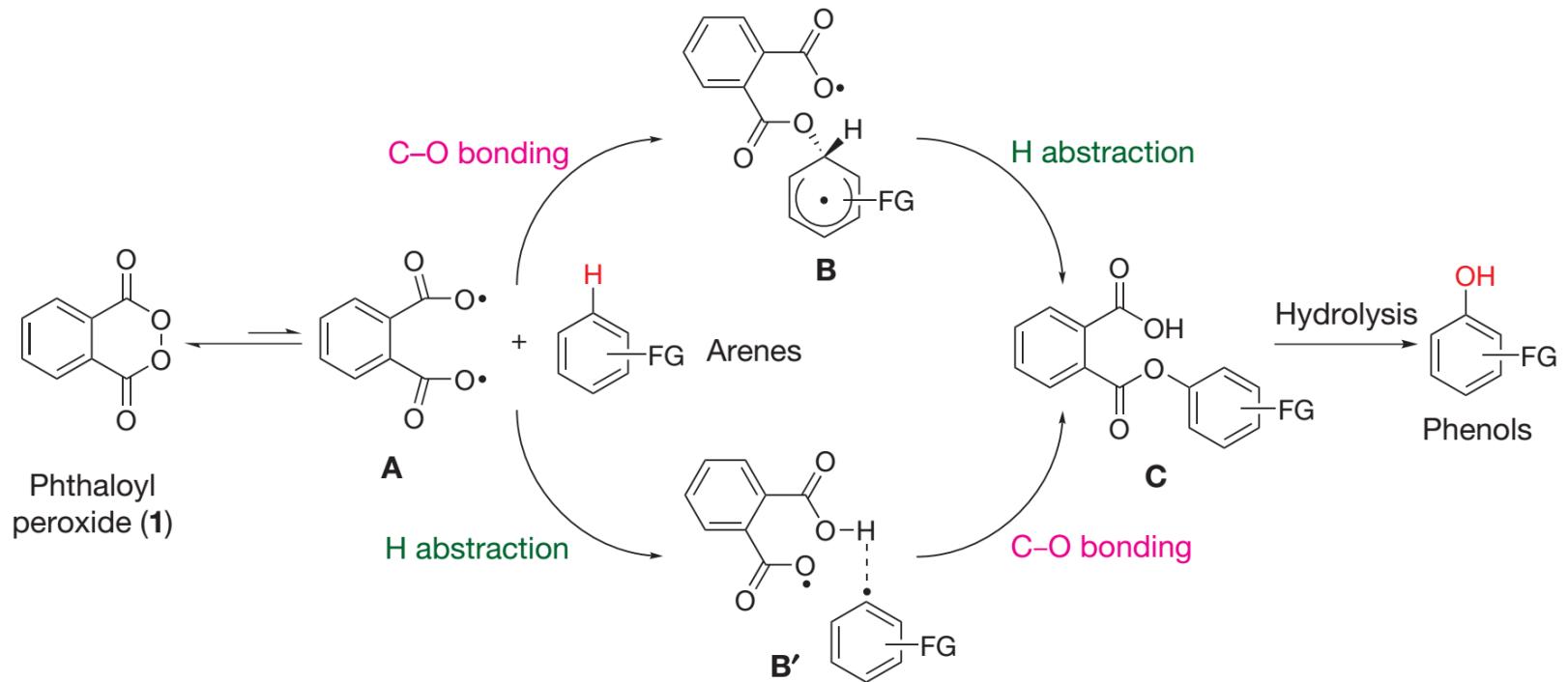


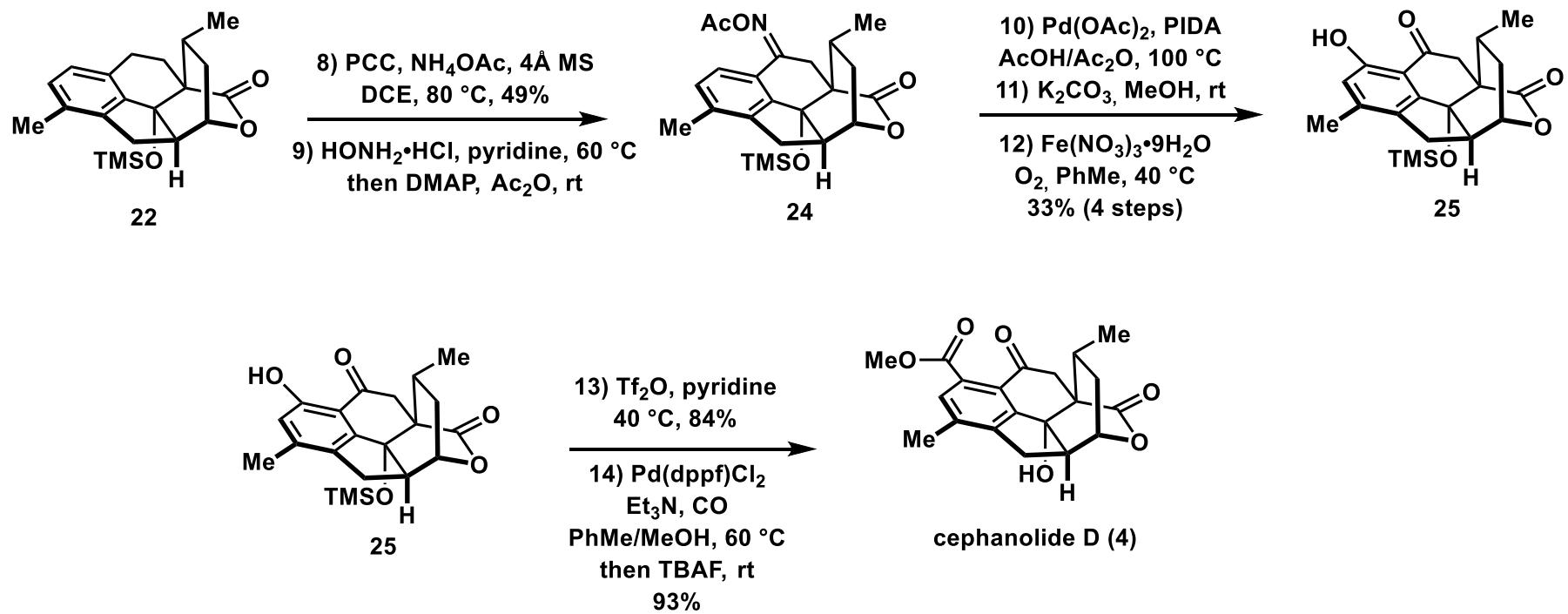


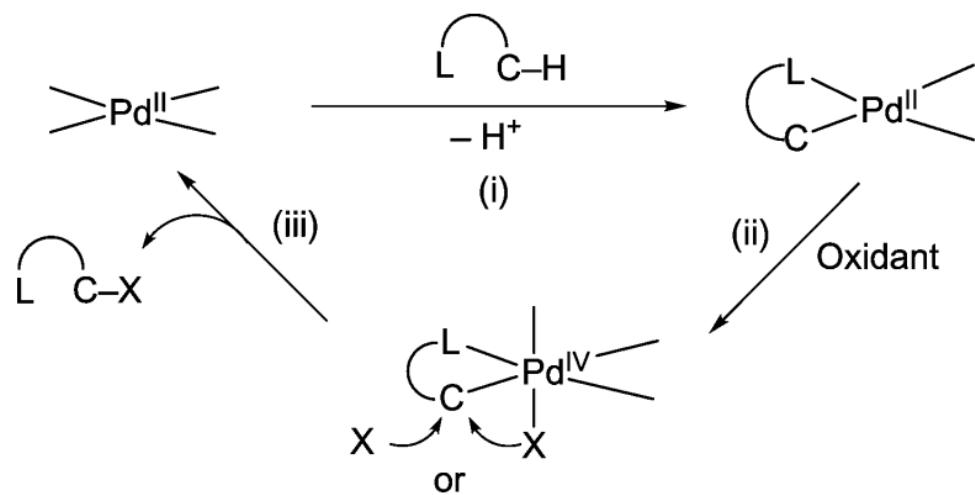




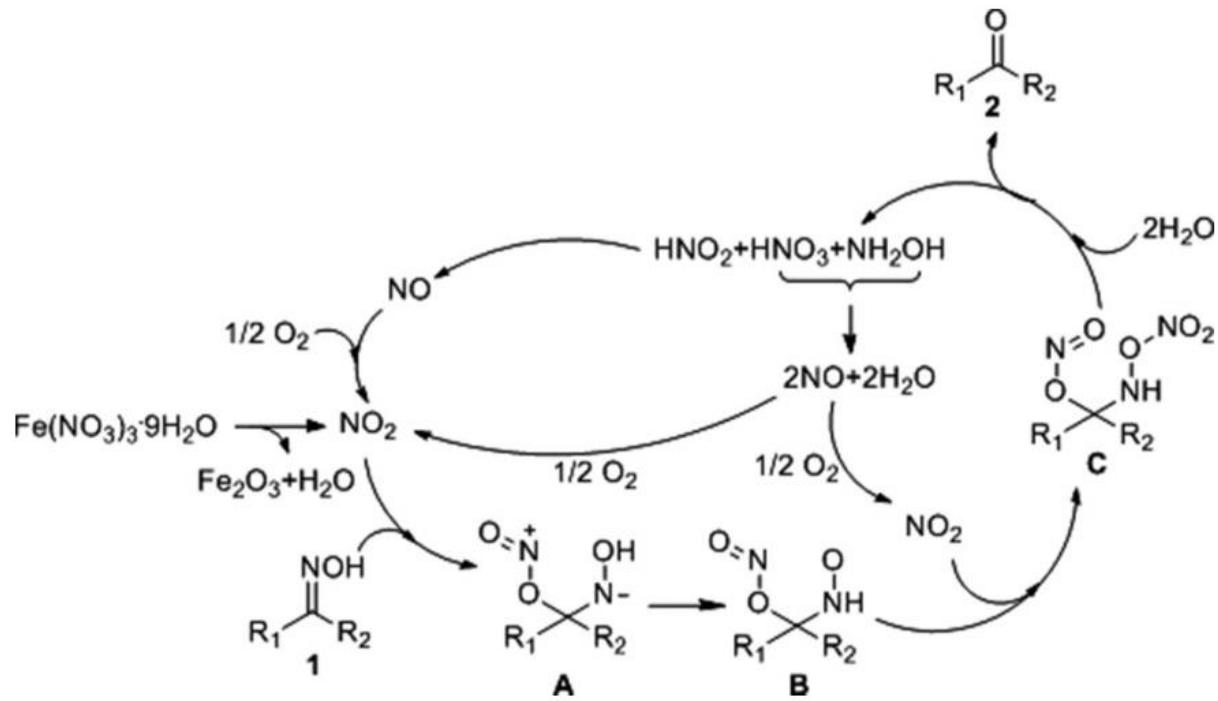


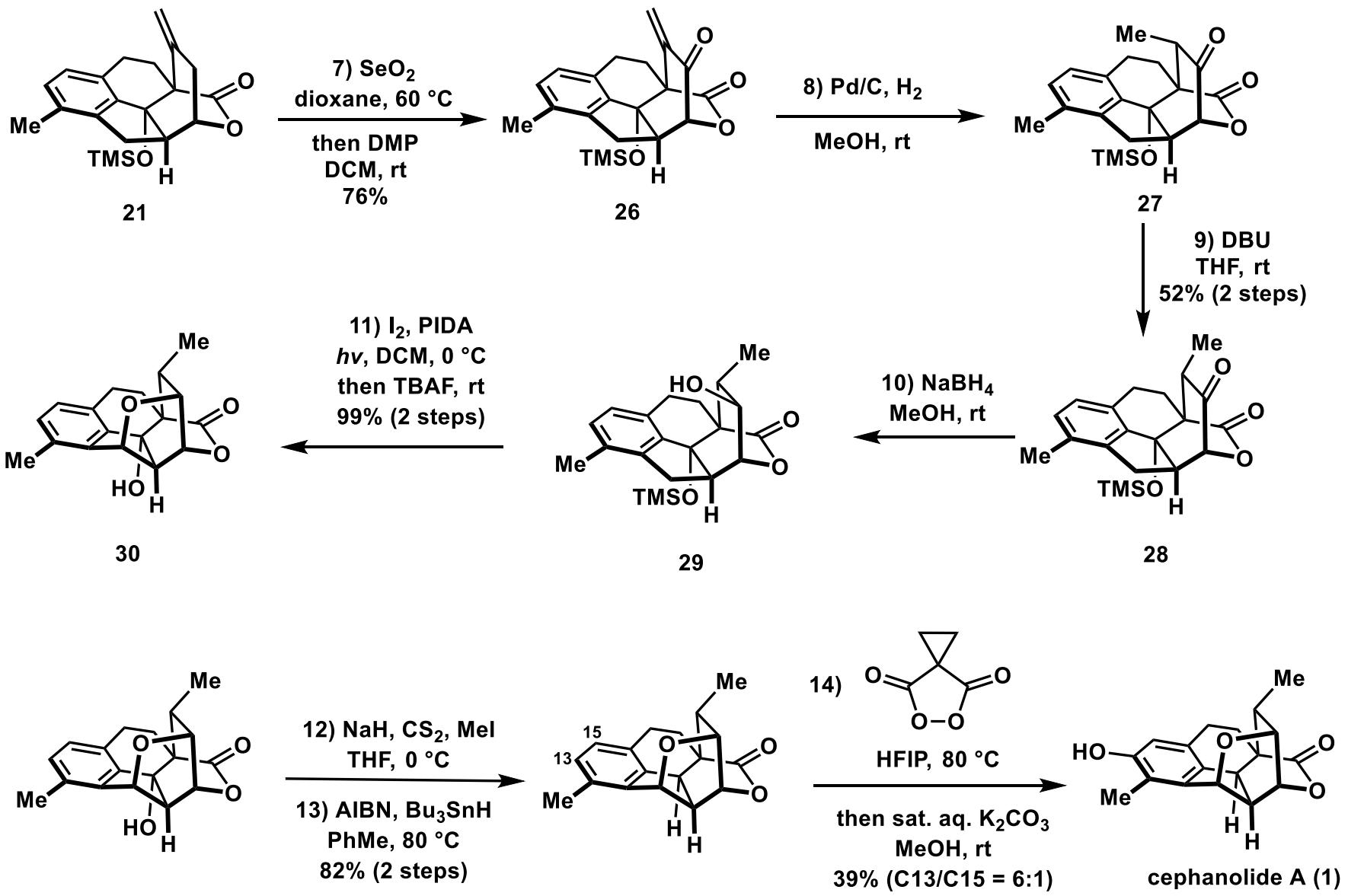






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RILEY SELENIUM DIOXIDE OXIDATION

