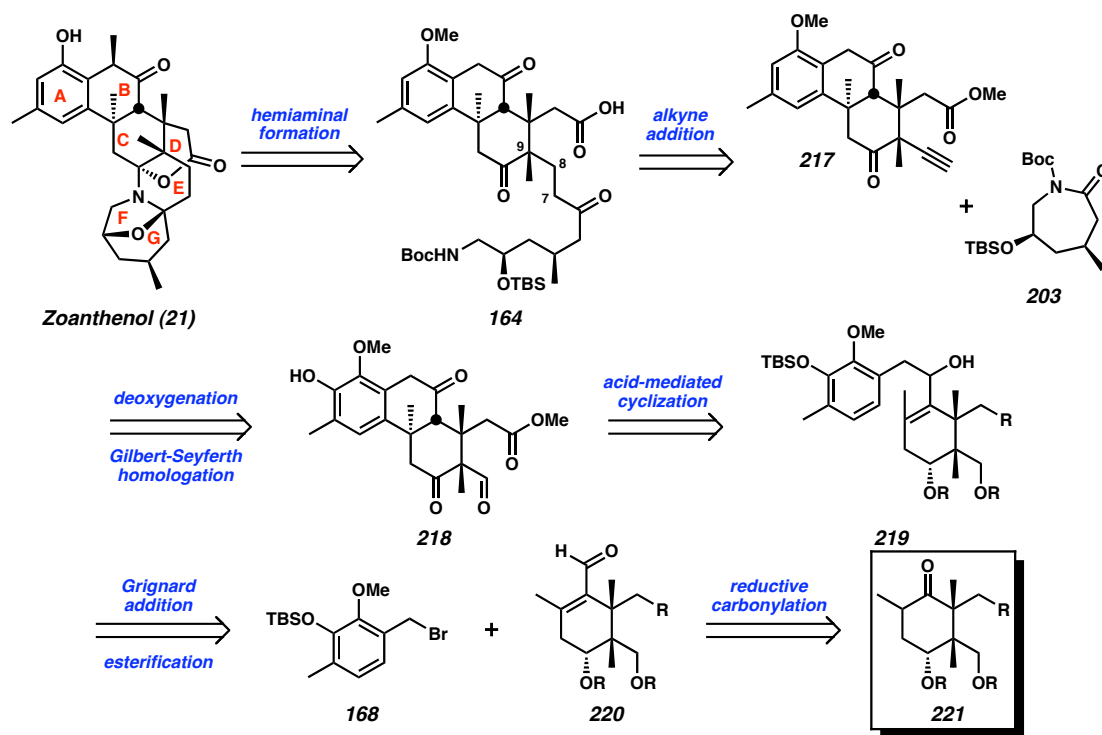


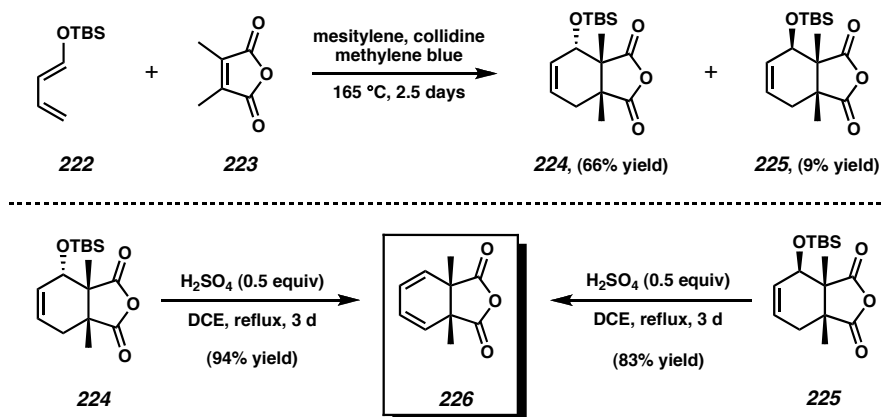
SYNTHETIC SUMMARY

Acid-Mediated Cyclization Approaches to the Densely Substituted Carbocyclic Core of Zoanthanol

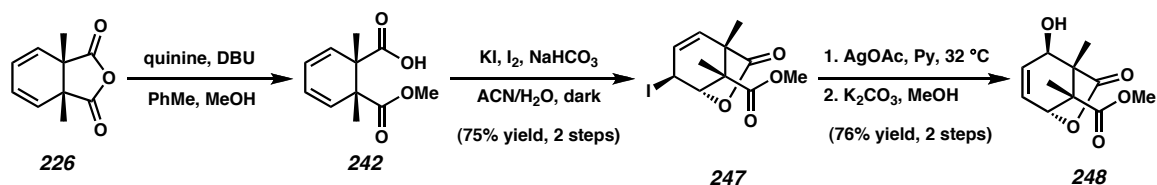
Scheme S3.1 Revised retrosynthetic analysis



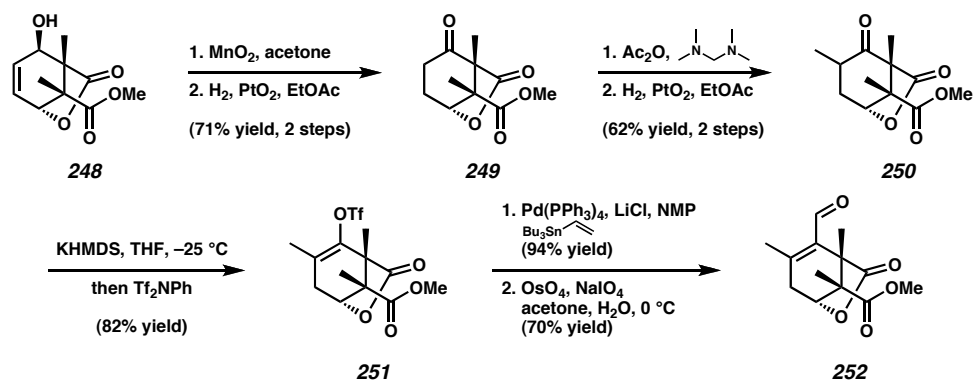
Scheme S3.2 Access to a meso anhydride



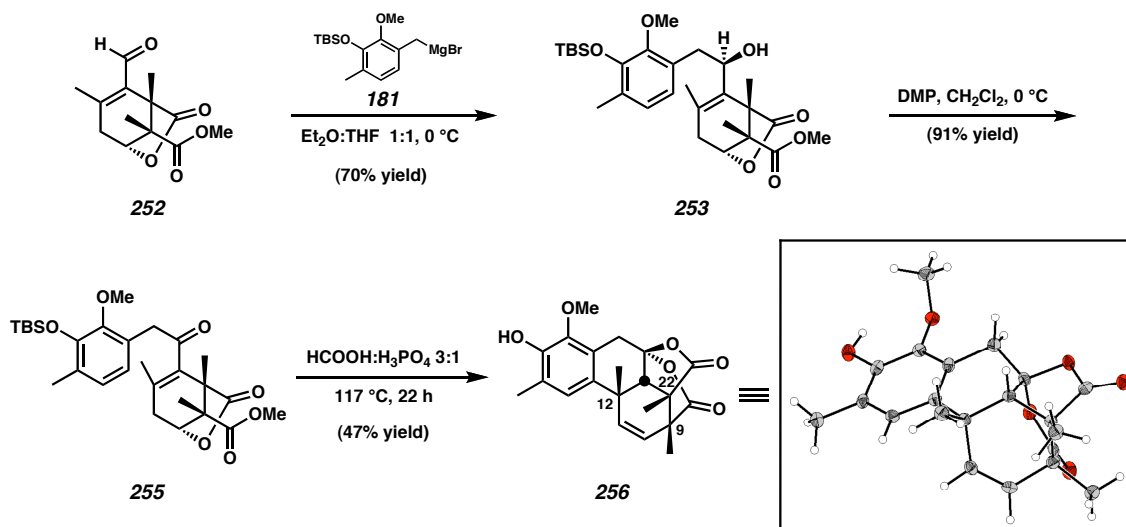
Scheme S3.2 Desymmetrization and elaboration of a meso anhydride

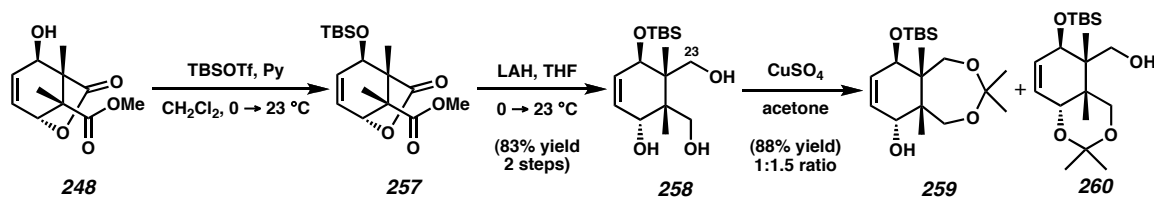


Scheme S3.3 Synthesis of a lactone-derived C ring synthon

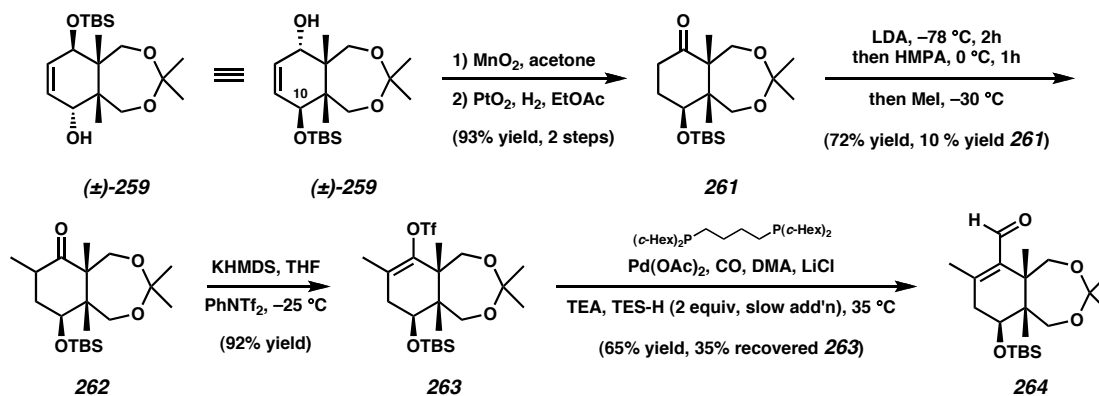


Scheme S3.4 Fragment coupling and cyclization of the A and lactone-derived C rings

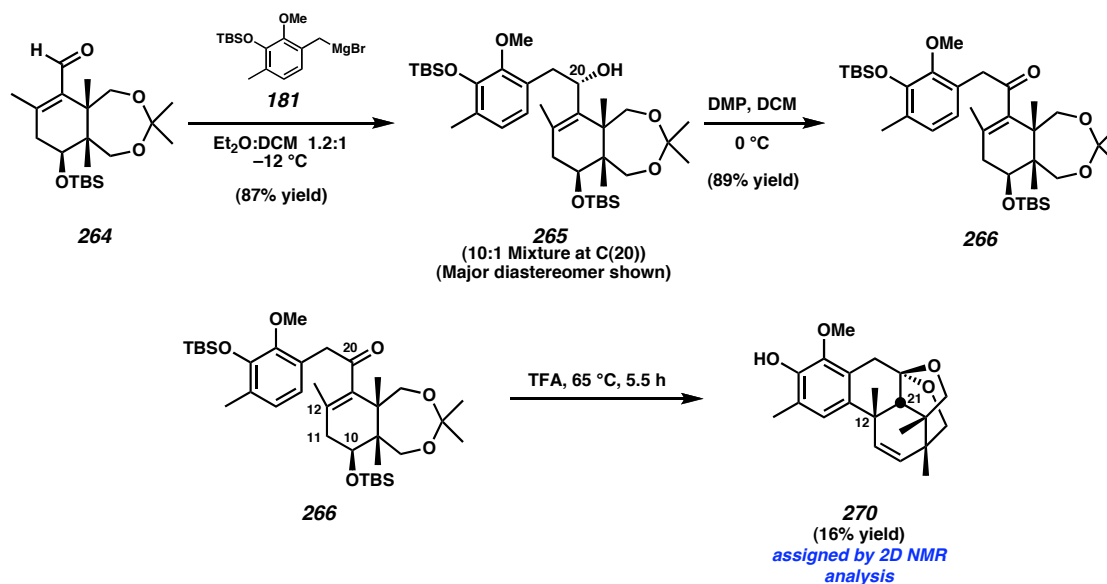


Scheme S3.5 Elaboration of lactone **248**

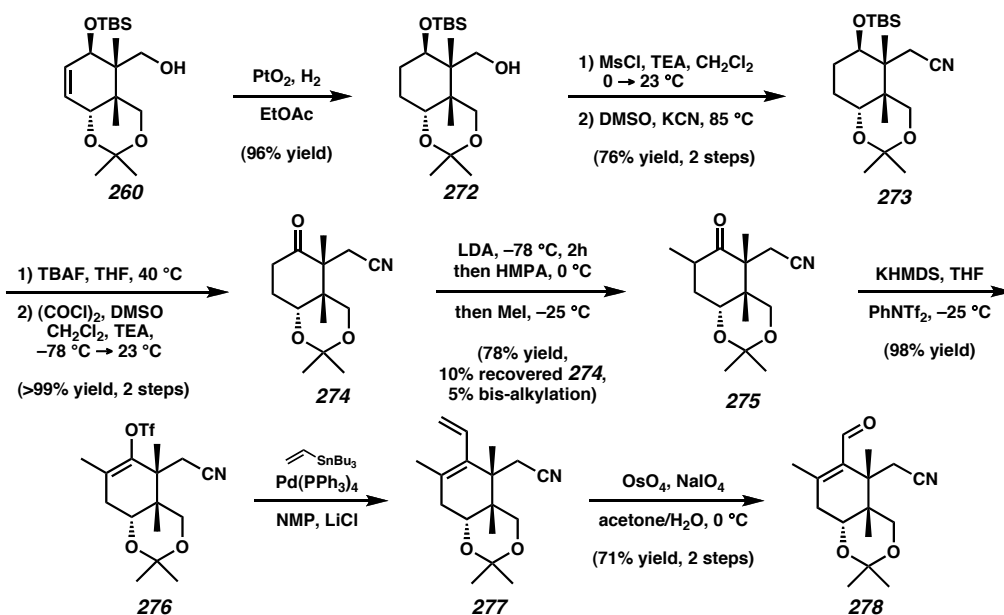
Scheme S3.6 Synthesis of a 7-membered acetal-derived C ring synthon



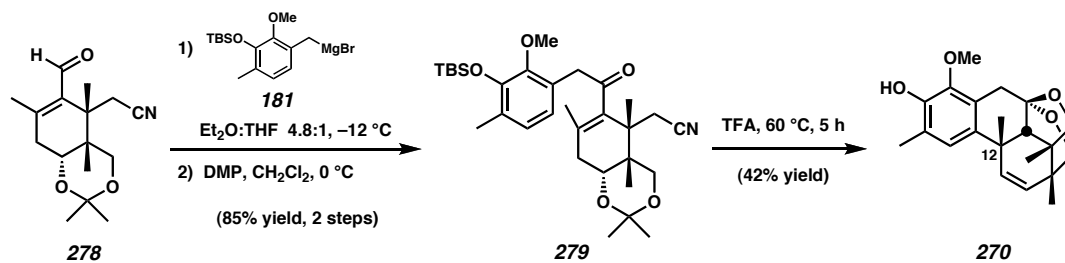
Scheme S3.7 Fragment coupling and cyclization of the A and 7-membered acetal-derived C rings



Scheme S3.8 Synthesis of a homologated nitrile-derived C ring synthon



Scheme S3.9 Fragment coupling and cyclization of the A and homologated nitrile-derived C rings



Scheme S3.10 Synthesis, fragment coupling, and cyclization of the A and homologated carboxylic acid-derived C rings

