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Tetrahedron Letters

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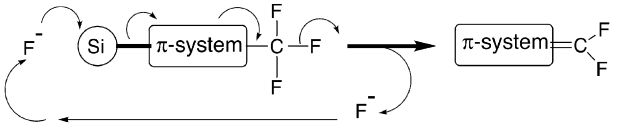
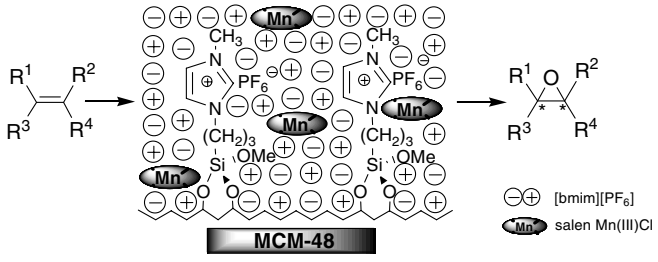
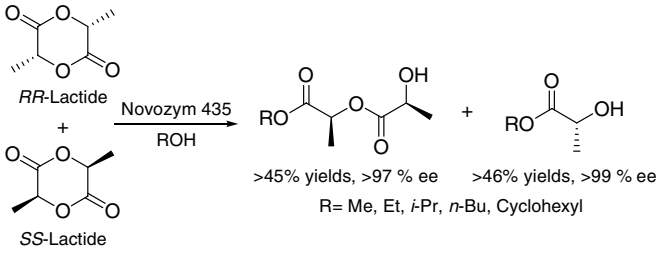
Contents

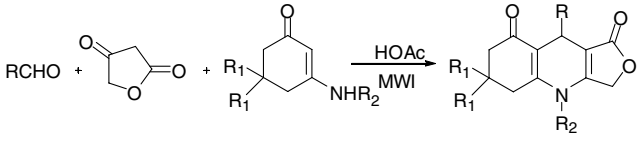
COMMUNICATIONS

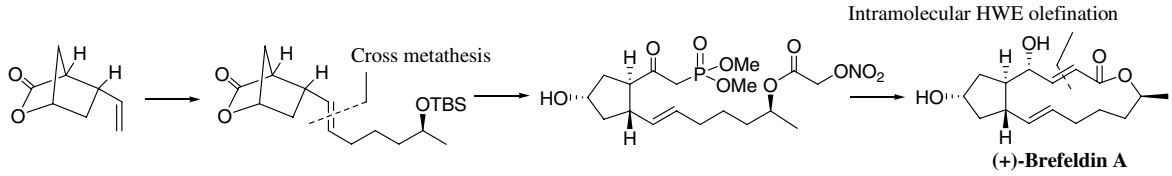


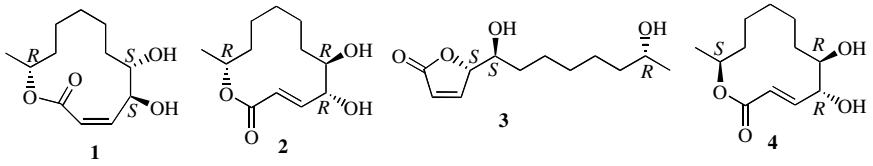
The chiral Mn(III) salen complexes were immobilized through a supported ionic liquid system. The obtained catalysts were stable and revealed excellent activity and enantioselectivity in the epoxidation of olefins.



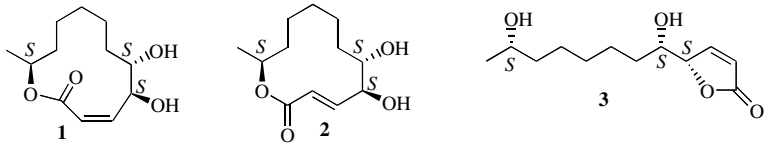






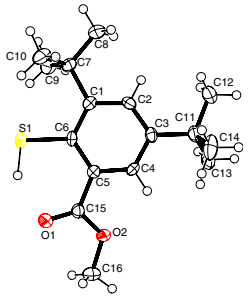


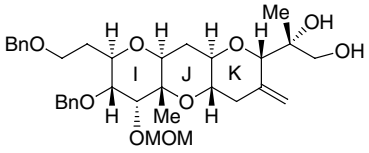
The synthesis of compounds **1**–**4** is described.

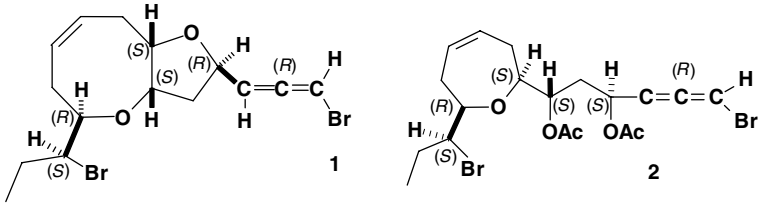


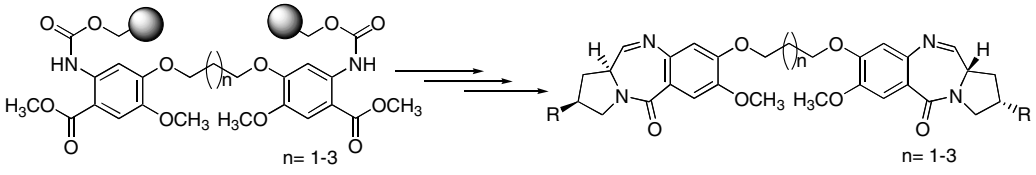
The synthesis of *iso*-cladospolide-B and cladospolides-B and C is described.

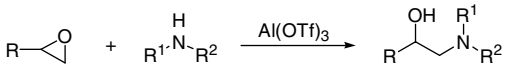
Syntheses of highly substituted thiophenol derivatives that incorporate steric bulk into the ligand framework via *ortho*- and *para*-*tert*-butyl substituents are reported. *S*-Benzyl and trityl protection were investigated and the effects of substituents on the Newman–Kwart rearrangement of the thiocarbamate discussed. Single crystal X-ray structures are reported for three compounds and they demonstrate the role of hydrogen bonding in stabilising the thiophenol to oxidation.

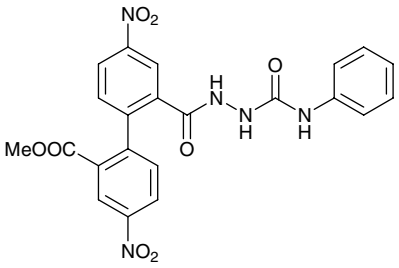




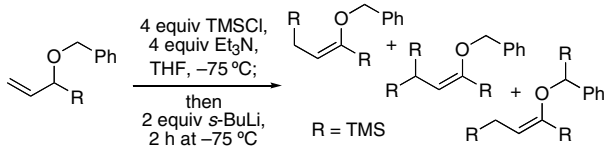


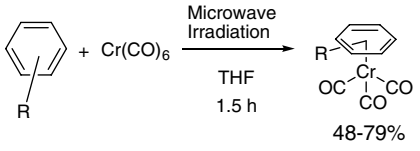


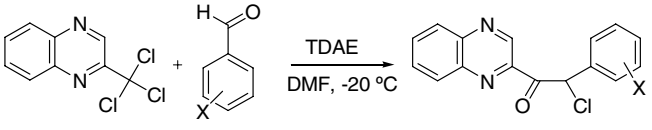




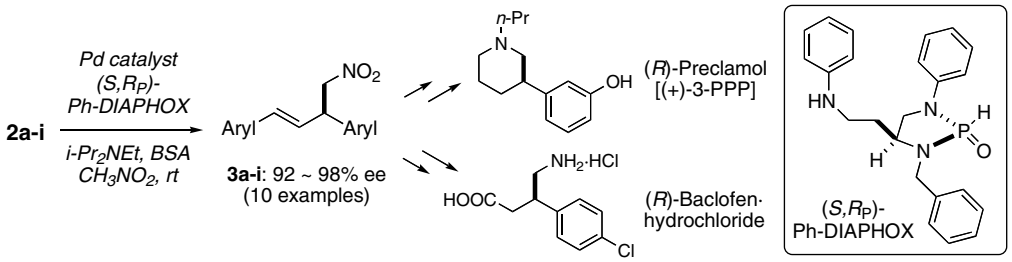
A new semicarbazide biphenyl derivative is able to act as a selective chemodosimeter for benzoate.

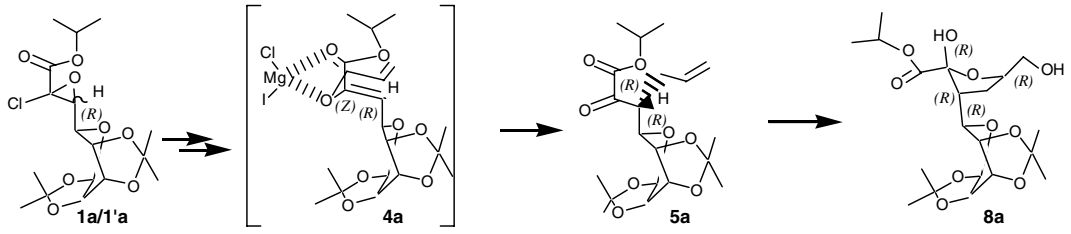


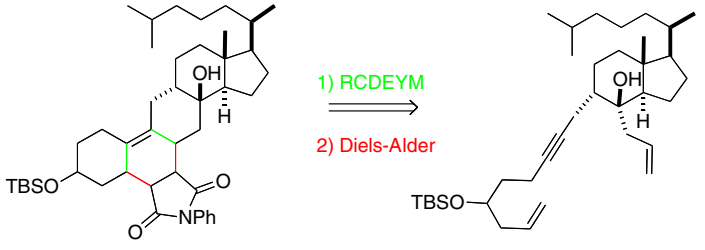


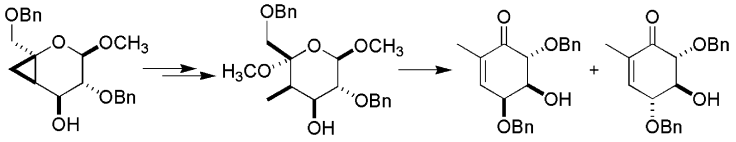


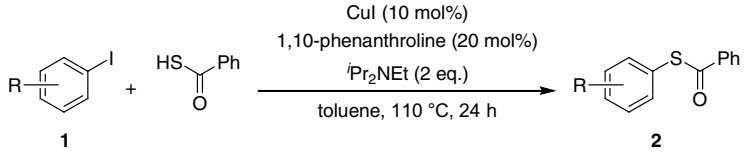
We report herein an original and rapid synthesis of new α-chloroketones in azaheterocyclic series based on TDAE strategy.

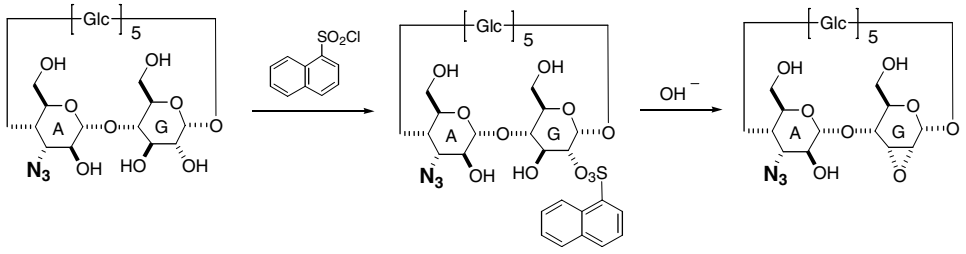


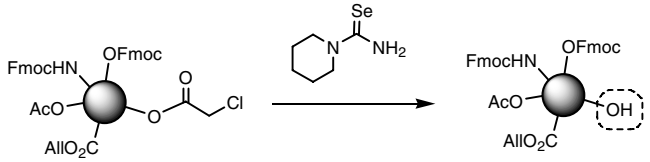


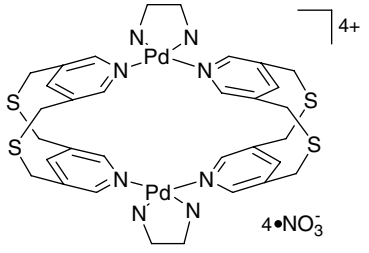




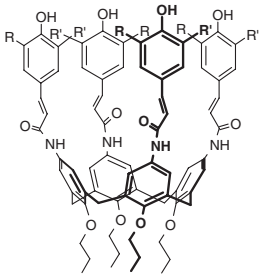


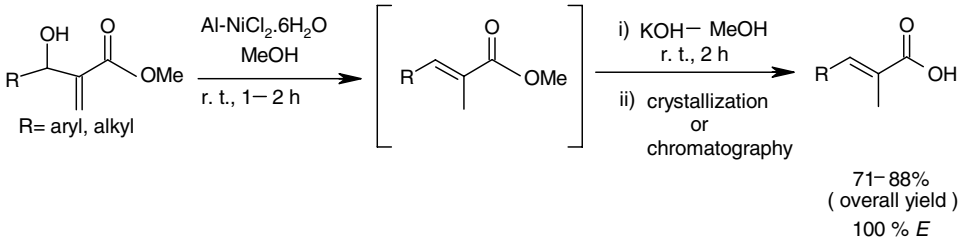


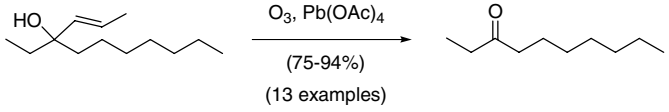


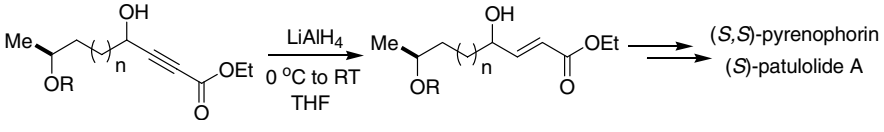


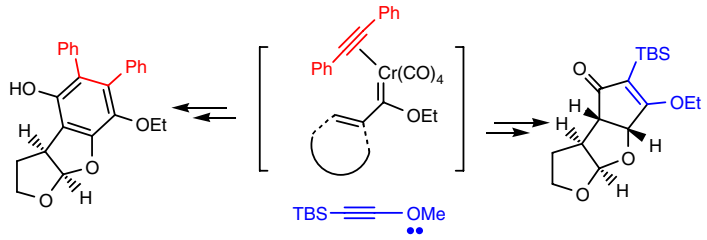
The self-assembled coordination molecular cage has been constructed from the small-sized pyridinophane.



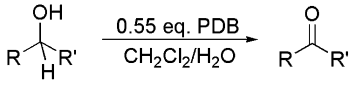






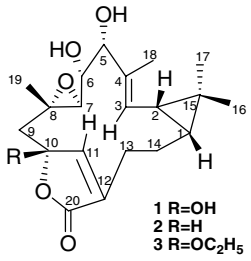


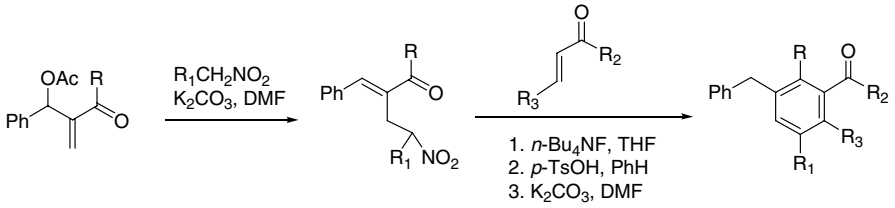
The outcome of a Dötz benzannulation reaction may be controlled by the addition of a second alkyne.

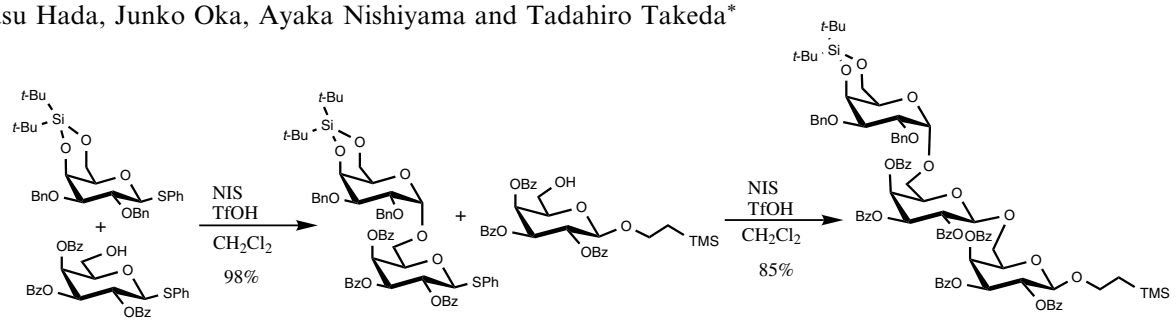


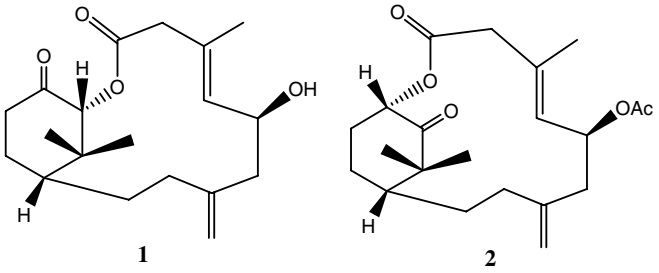
R = phenyl, allyl, or alkyl
R' = alkyl or hydrogen

The reaction between 1,4-diazabicyclo[2.2.2]octane (DABCO) and bromine in CCl_4 produces a stable ionic polymer (polymeric DABCO–bromine complex; PDB), presumably containing alternating DABCO-hypervalent bromine repeat units with Br_3^- acting as a counter ion. This complex acts as a mild oxidant, converting primary and secondary alcohols to the corresponding aldehyde or ketone in biphasic CH_2Cl_2/H_2O.



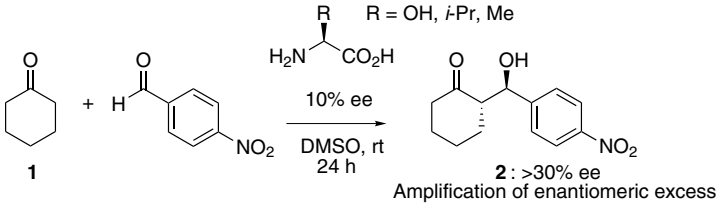






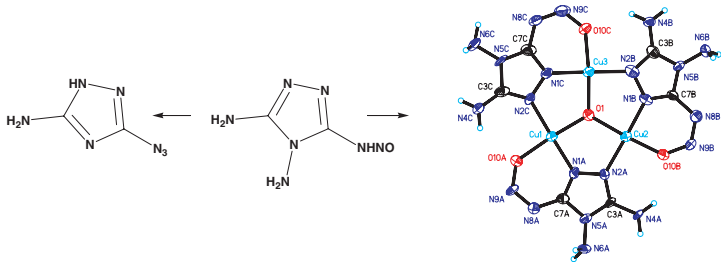
1 **2**

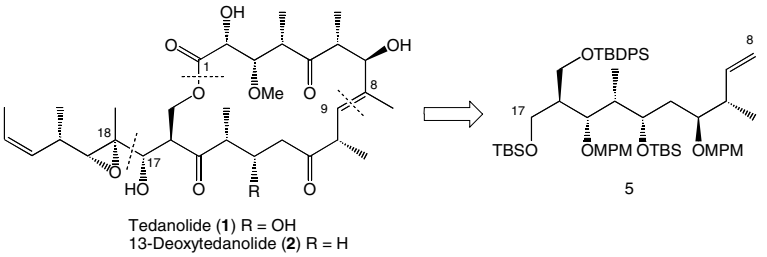
Four new norditerpenoids, designated cespihypotins A (**1**), B (**2**), C and D, were isolated from *Cespitularia hypotentaculata* Roxas (Xeniidae).



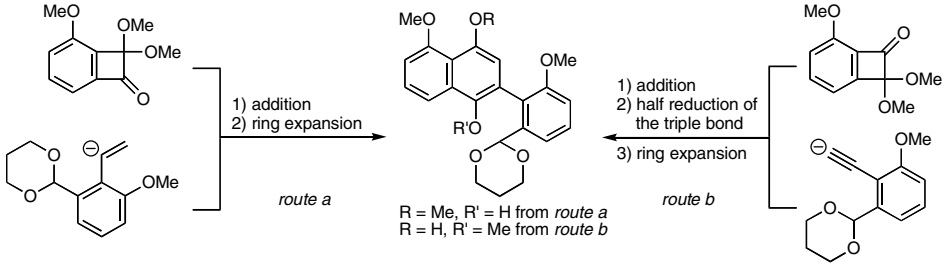
1

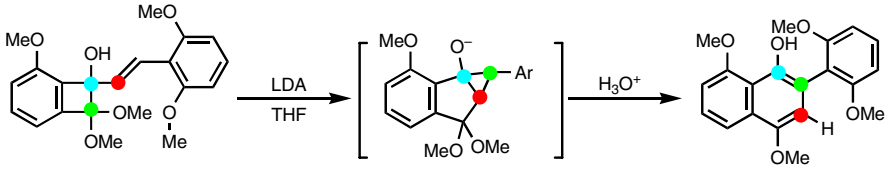
2 : >30% ee
Amplification of enantiomeric excess

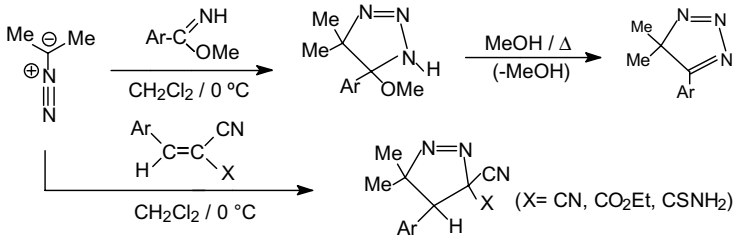


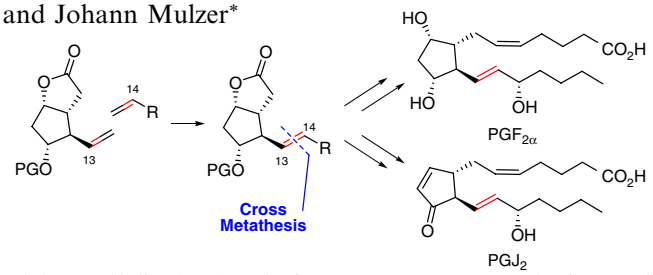


Tedanolide (**1**) R = OH
13-Deoxytedanolide (**2**) R = H









We describe the effect of allylic (C15) and homoallylic (C11) substituents on cross metathesis reactions with Corey lactone derivatives. This strategy has led to the successful syntheses of $PGF_{2\alpha}$ and PGJ_2.

OTHER CONTENTS

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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