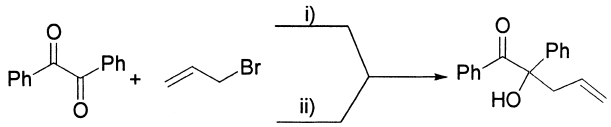
ELSEVIER

Tetrahedron

Tetrahedron Vol. 60, No. 9, 2004

Contents

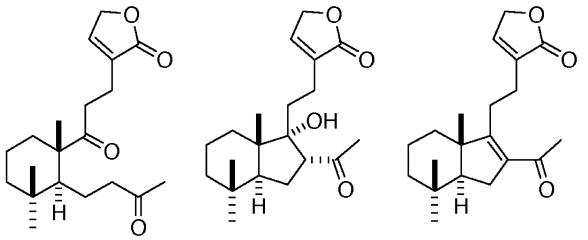
REPORT



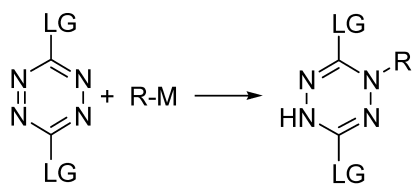
i. In, NaI, DMF, 5 min, 97%
ii. Ga, KI, LiBr, THF, 70 °C, 6 h, 62%

The carbon–carbon bond forming reactions mediated by indium as well as gallium are reviewed.

ARTICLES

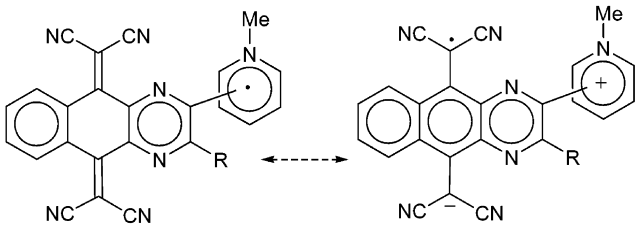


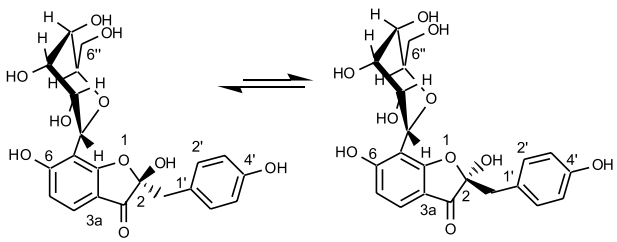
Chapecoderin A B C

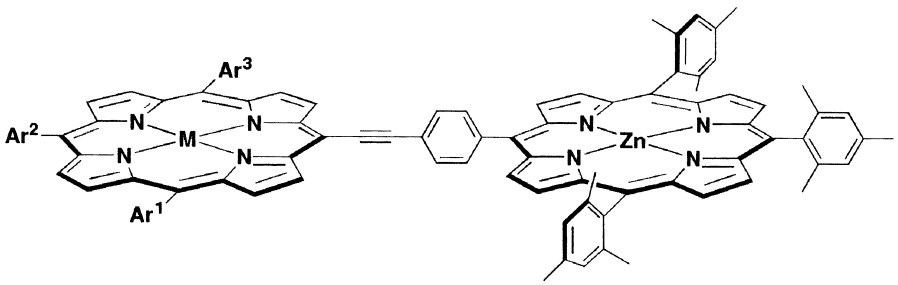


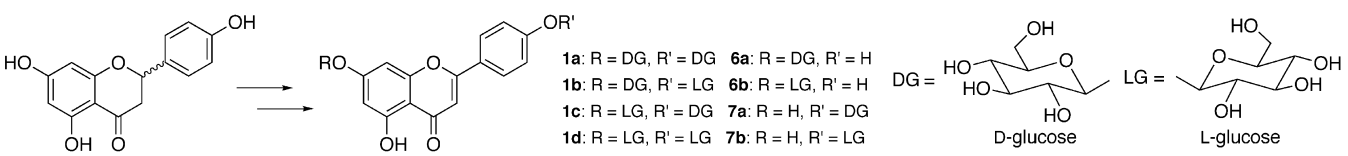
LG: pyrazolyl, SMe,pyridyl morpholino, chloro

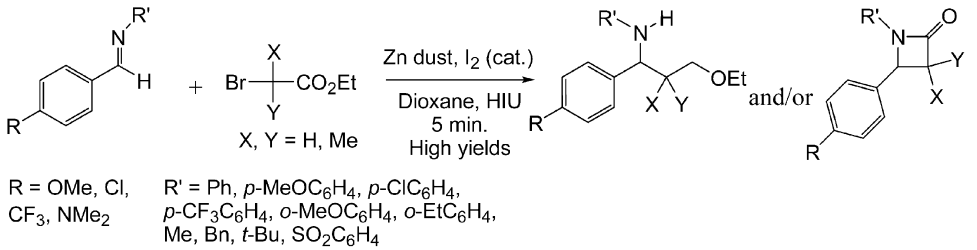
M: Li, Mg, Zn, Cu, In

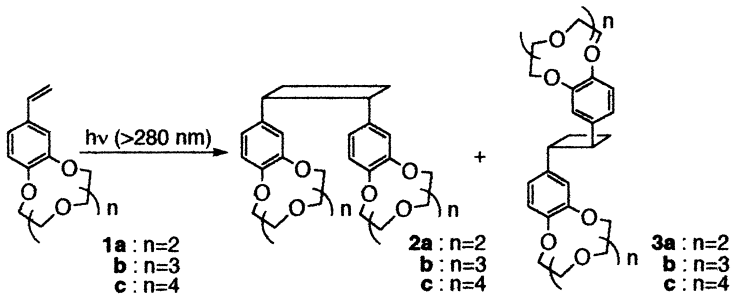


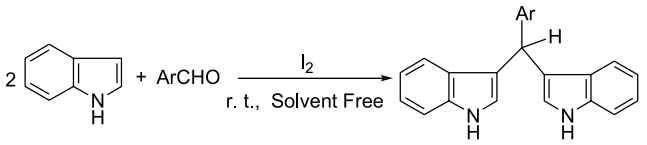


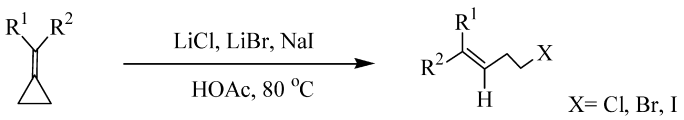




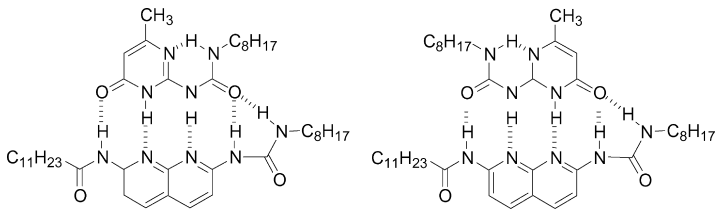


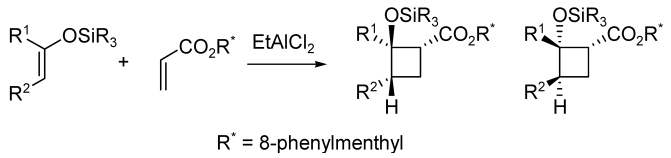


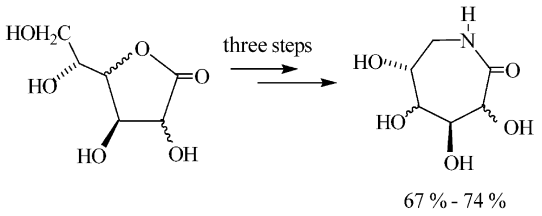


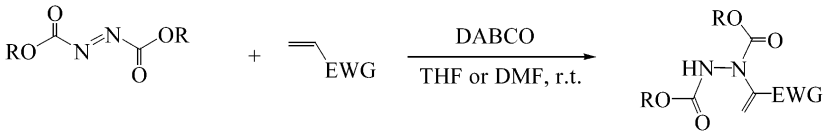


The reactions of MCPs **1** with LiCl, LiBr or NaI in acetic acid at 80 °C produce the corresponding homoallylic halides in good to excellent yields.







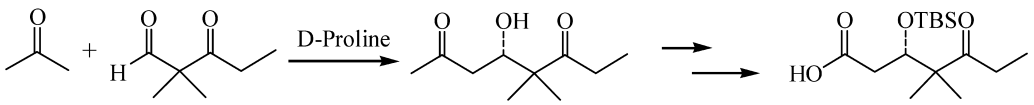


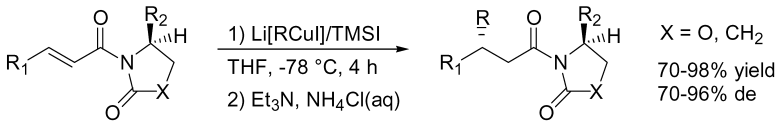
R = ^{i}Pr, Et

EWG= COOMe, COOAr, CN

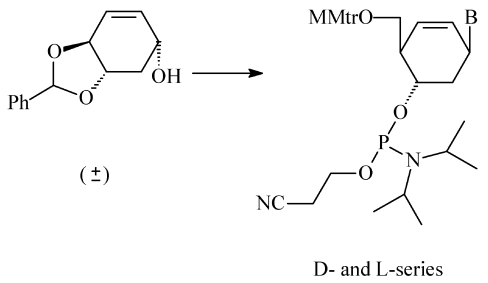
R = ^{i}Pr, Et

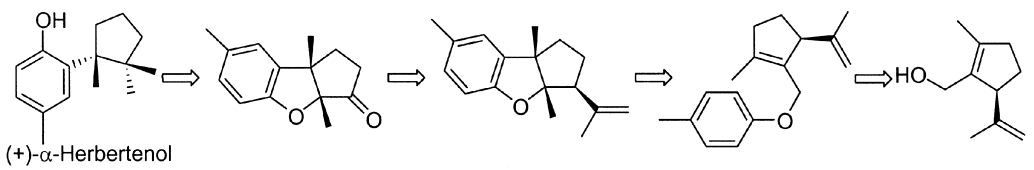
The aza-Baylis–Hillman reaction of DIAD or DEAD with various acrylates and acrylonitrile proceeds smoothly in the presence of DABCO in THF or DMF to give the corresponding adducts in moderate to good yields.

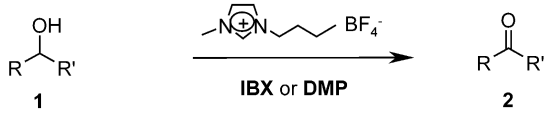


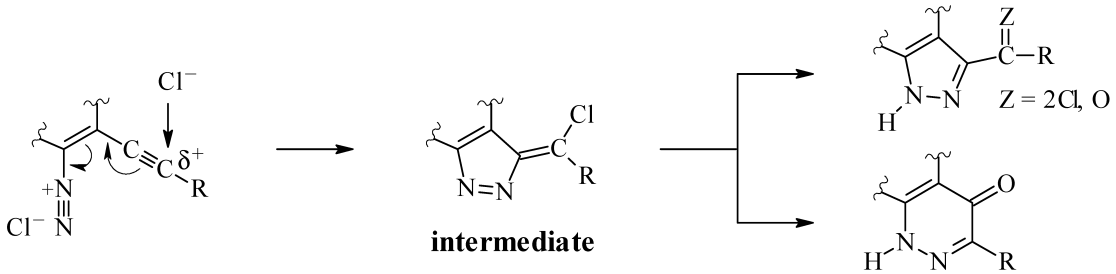


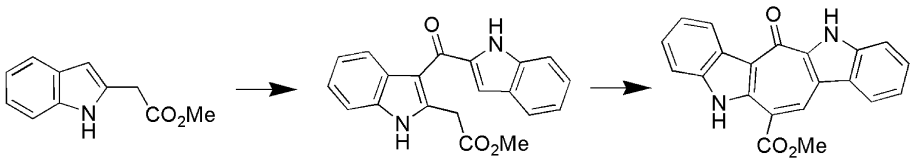
Presence of TMSI in the conjugate additions of Li[RCuI] to various chiral imides are described. TMSI is crucial for the conjugate additions, but only in THF or when 12-crown-4 is used. The reaction is thought not to involve any halosilane in any critical steps in ether. The CuI/DMS complex plays an instrumental role for high yield as well as stereoselectivity.

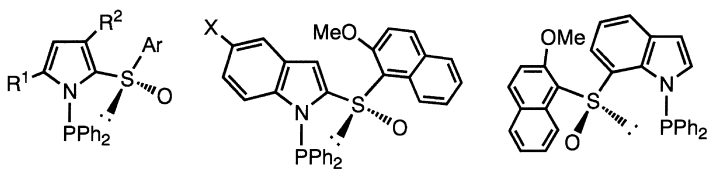


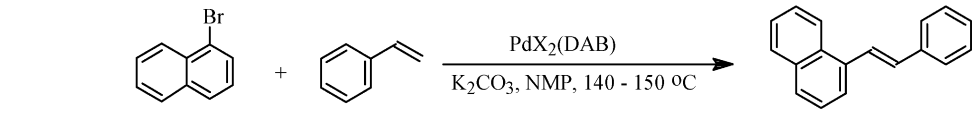












Pd cat : DMG, DAB, 8-Hydroxyquinoline, palladacycles, NHC

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OTHER CONTENTS

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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