ELSEVIER

Tetrahedron

Tetrahedron Vol. 63, No. 52, 2007

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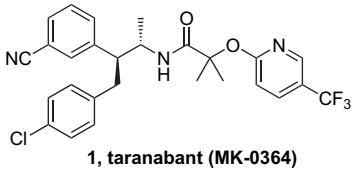
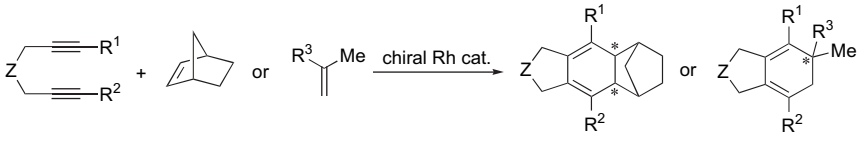
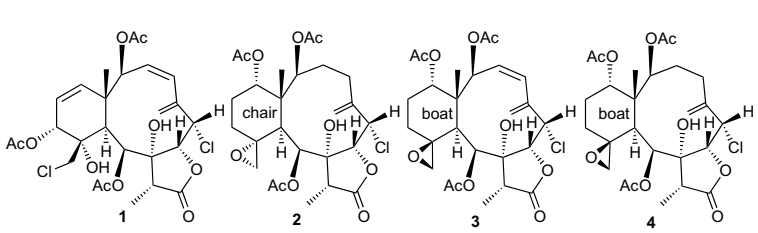
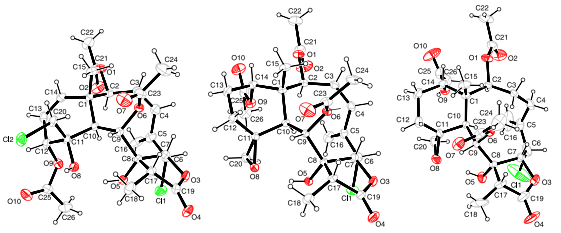


1, taranabant (MK-0364)

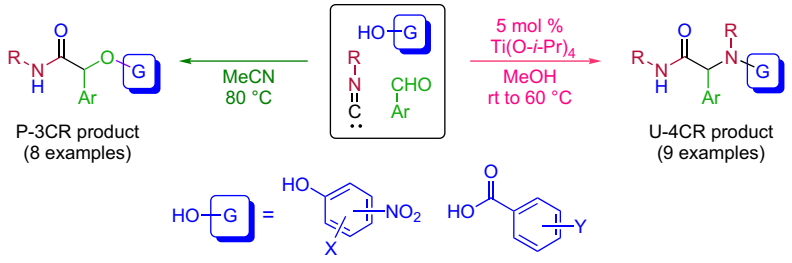


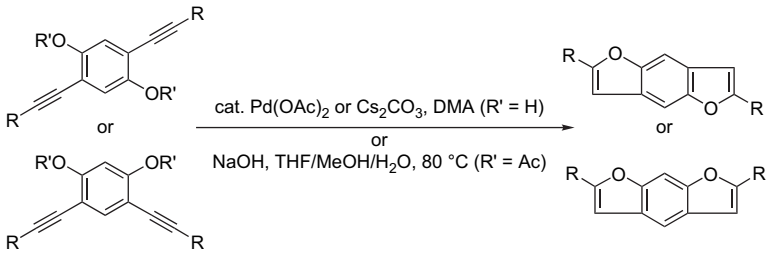


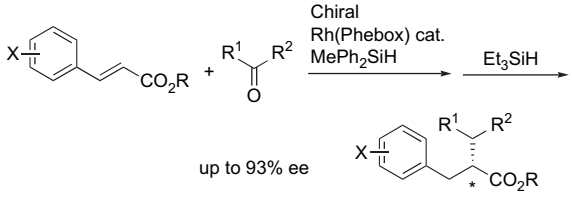
Robustolides D–G (**1**–**4**)

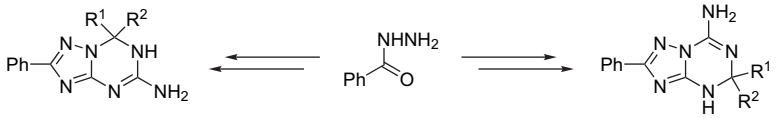


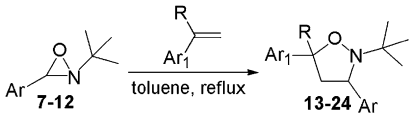
The ORTEP plots of robustolides D (**1**), F (**3**) and G (**4**)



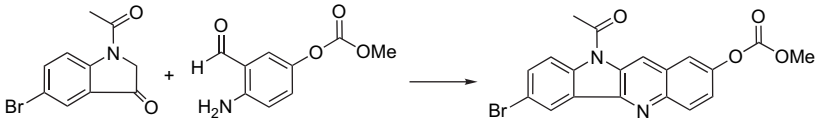


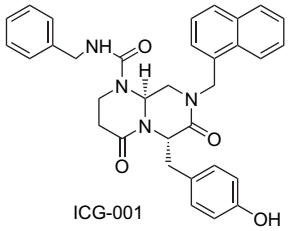




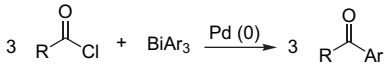


Ar = Ph, 2-Pyridinyl, 3-Pyridinyl, 4-Pyridinyl, 2-Thiazolyl, 2-Benzothiazolyl
Ar_1= *p*-Me-C_6H_4, Ph, 2-Pyridinyl
R = H, Me

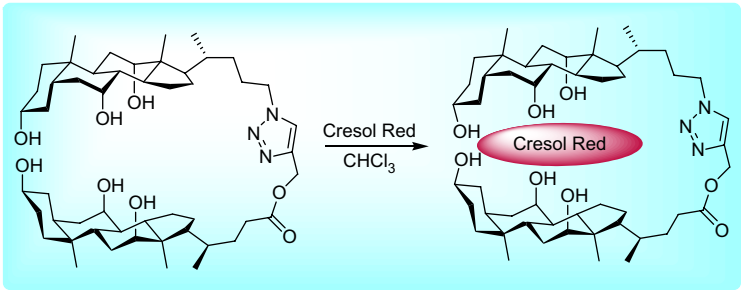


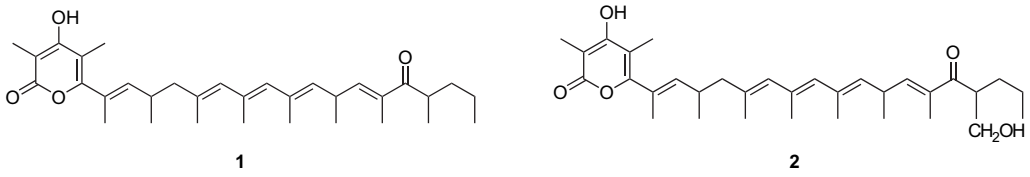


ICG-001

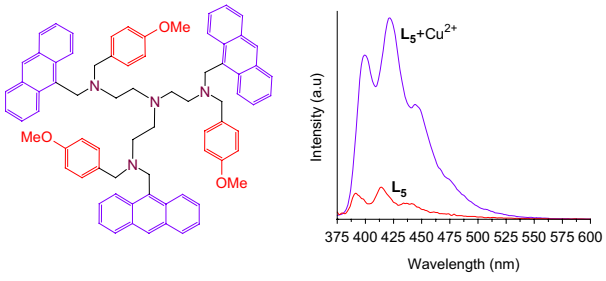


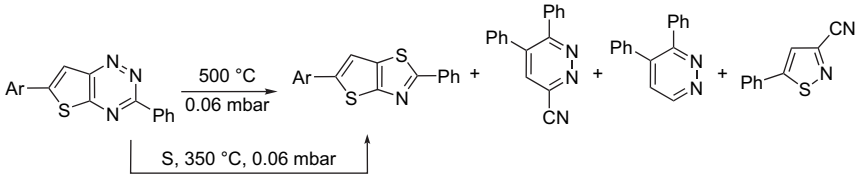
R = aryl, di-aroyl, heteroaryl, alkyl

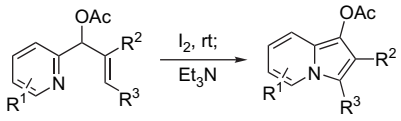




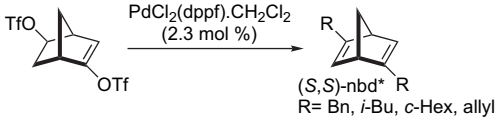
Structural elucidation of polypropionates **1** and **2** was achieved by chemical and advanced spectroscopic methods.

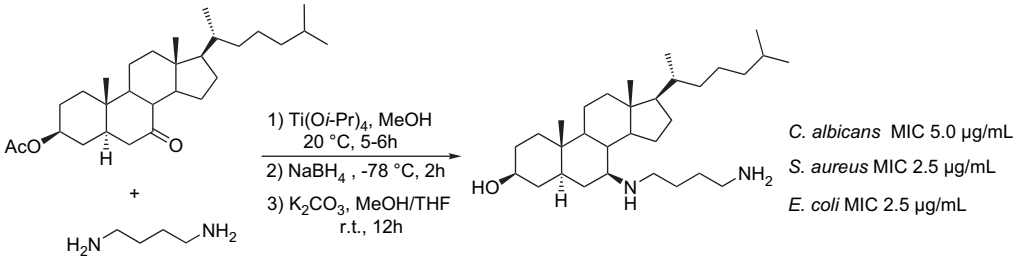


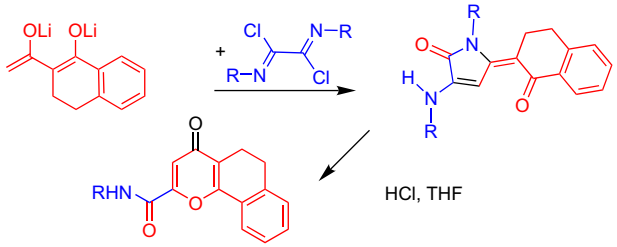


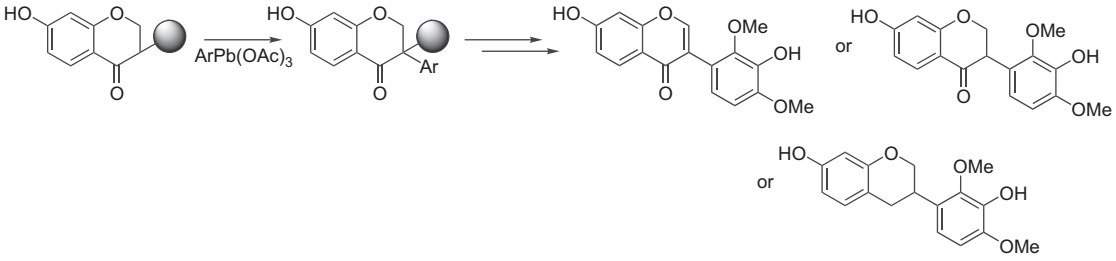


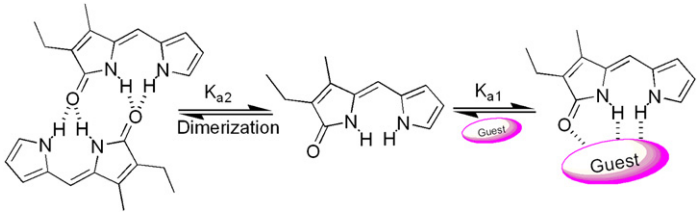
5-*endo-trig* Iodocyclization followed by isomerization and dehydroiodination of allylic acetates provides a convenient route to highly substituted indolizines under mild conditions.

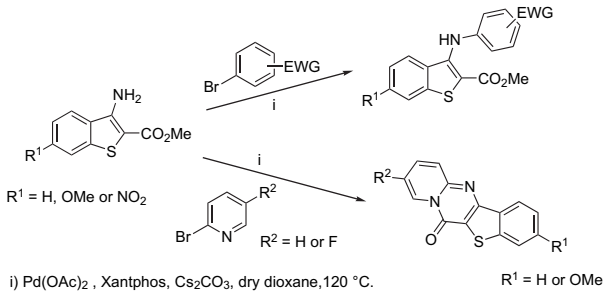


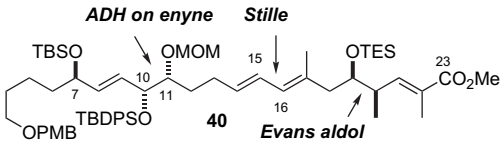


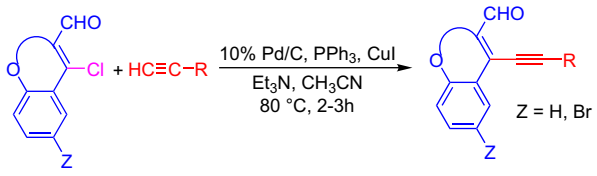


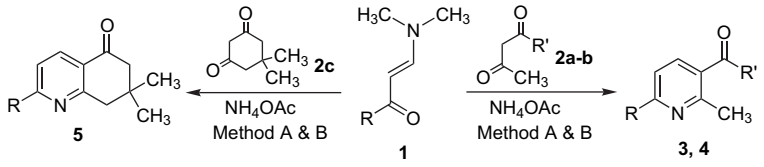




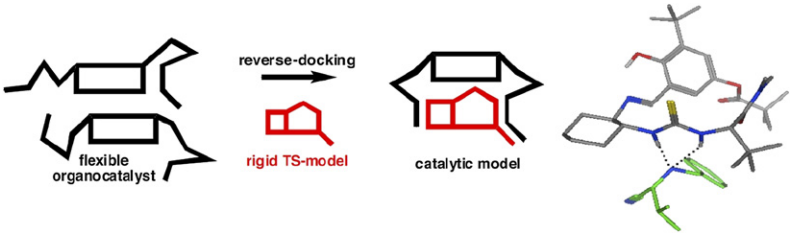








Method A: $K_5CoW_{12}O_{40}.3H_2O$, IPA, Reflux, 2-3h;
Method B: $K_5CoW_{12}O_{40}.3H_2O$, Neat, 115 °C, 0.5-1.0h



A novel docking method is employed to investigate the enantioselectivity and transition state geometries of asymmetric Strecker reactions catalyzed by Jacobsen's organocatalyst.

OTHER CONTENTS

*Corresponding author
Supplementary data available via ScienceDirect

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