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Tetrahedron Letters

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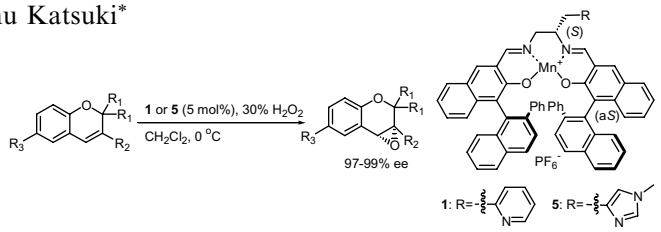
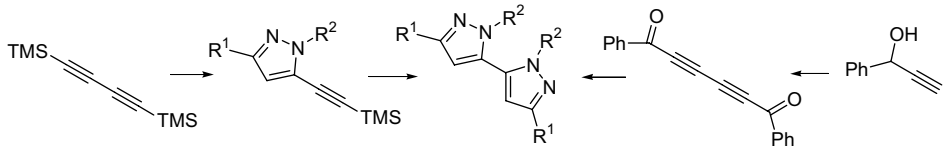
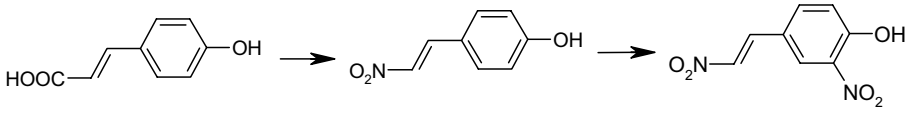
Contents

COMMUNICATIONS

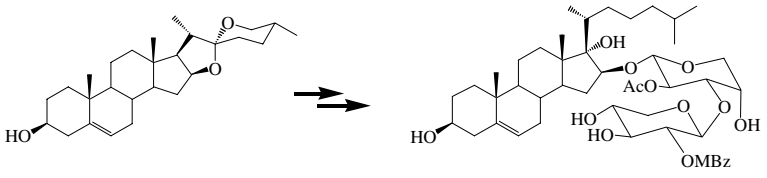


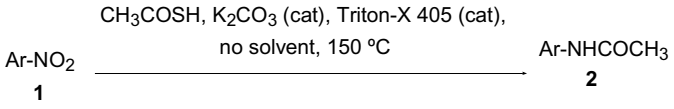
Pentacoordinated Mn–salen complexes **1** and **5** possessing an internal pyridine or *N*-methylimidazole ligand, respectively, were found to be efficient catalysts for asymmetric epoxidation of conjugated *Z*-olefins using aqueous hydrogen peroxide, in particular, the epoxidation of chromene derivatives proceeded with high enantioselectivity greater than or equal to 97% ee.



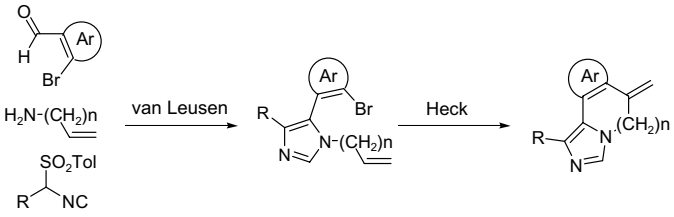


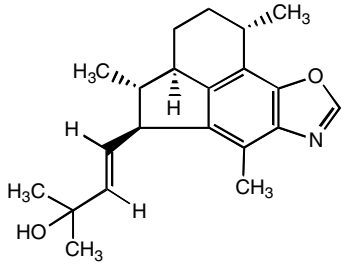
Selective nitrations of 4-hydroxycinnamic acid under microwave irradiation are discussed.

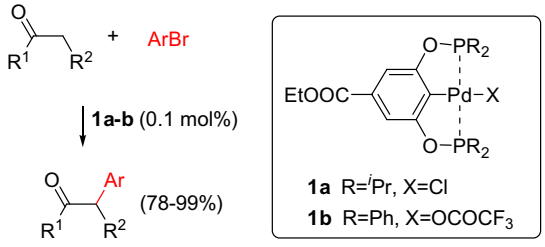


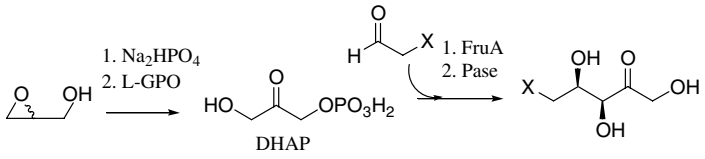


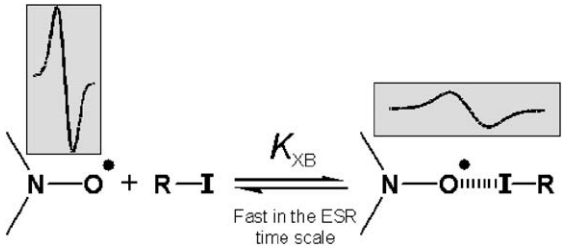
A novel one-step reductive acetamidation of arylnitro compounds mediated by thioacetate anion in thioacetic acid via in situ catalytic regeneration was developed and applied to an efficient synthesis of Acetaminophen™.

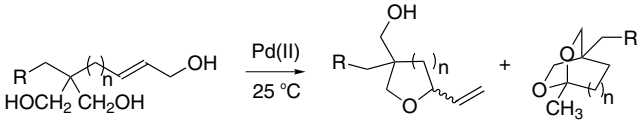


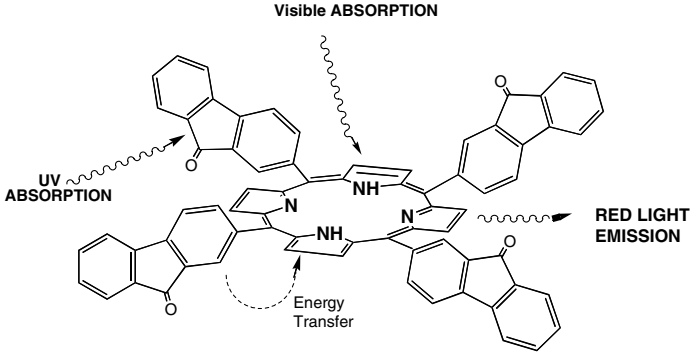


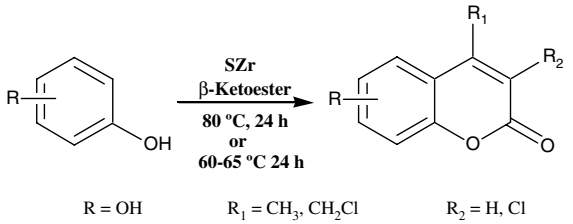




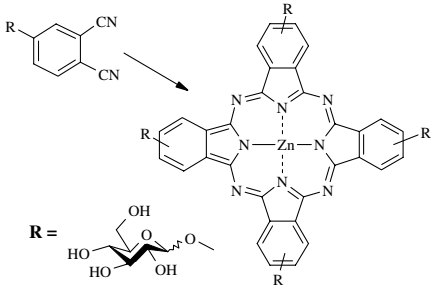


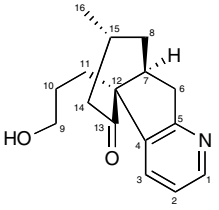




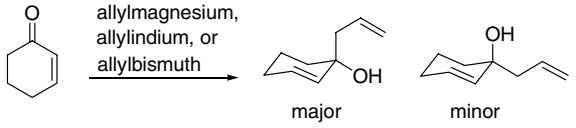


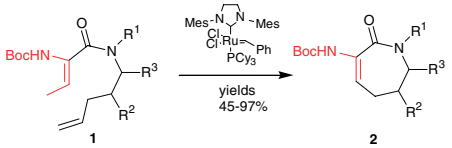
Preparation and characterization of peripherally glucose substituted zinc(II) phthalocyanines (Pc), linked via the anomeric carbon through a novel glycosidation method is reported for the first time. The Pc was formed in good yield and displays high solubility in water.





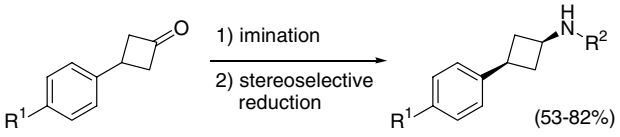
Lycopladine A

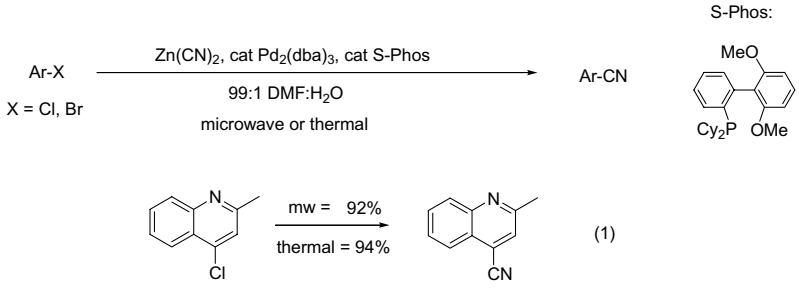


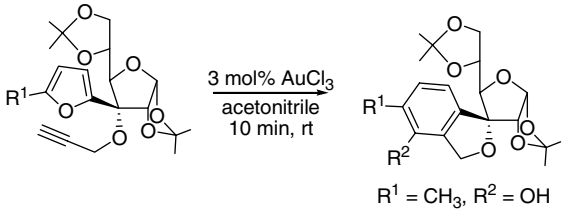


R^1=2,4-dimethoxylbenzyl, benzyl, benzyloxy, furfuryl, pyridin-2-yl.
R^2=H, OAc, OCOCy.
R^3=H, Benzyl.

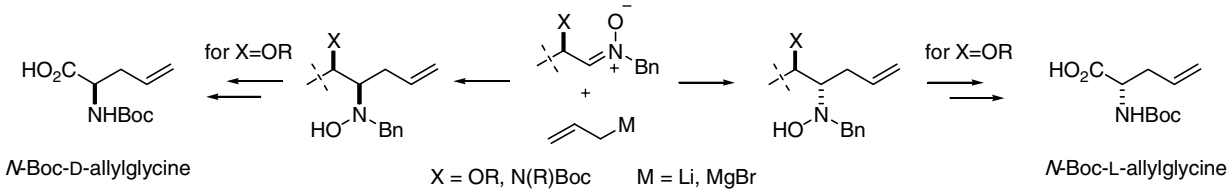
An efficient synthetic methodology allowing access to functionalized α-amino caprolactams using ring-closing metathesis (RCM), a very high tolerance of α-amino acrylamide RCM precursors toward functional groups is demonstrated.





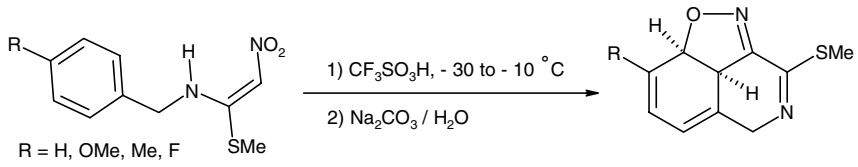


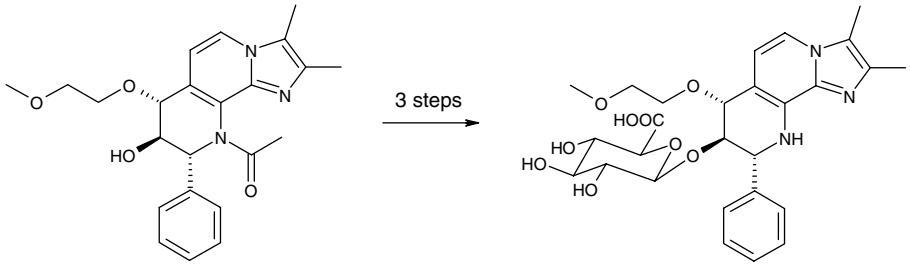
$R^1 = CH_3$, $R^2 = OH$



N-Boc-D-allylglycine

N-Boc-L-allylglycine





OTHER CONTENT

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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