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Tetrahedron

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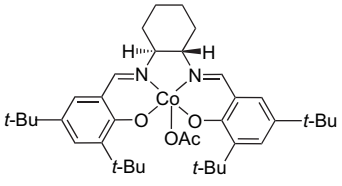
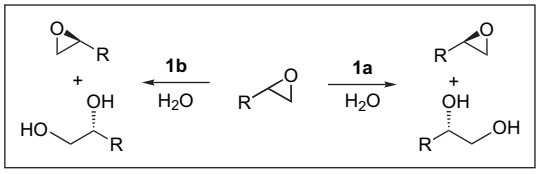
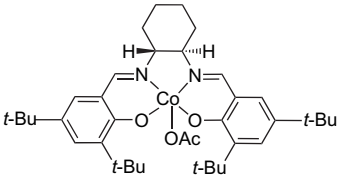
Contents

REPORT



(*S*,*S*)-SalenCo (III) OAc complex (**1b**)

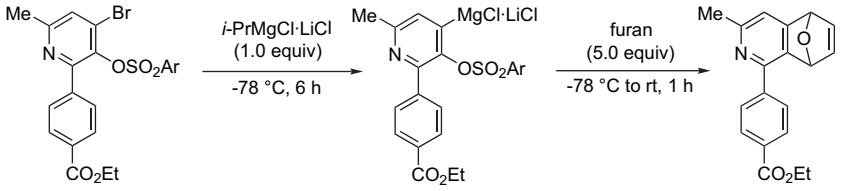




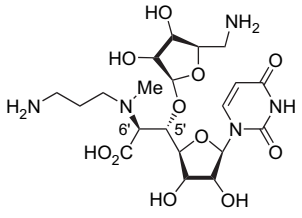
(*R*,*R*)-SalenCo (III) OAc complex (**1a**)

Hydrolytic kinetic resolution (HKR) developed by Jacobsen has emerged in recent times as a powerful tool to synthesize both terminal epoxides and their corresponding diols in highly enantiomerically pure form. In this review we have covered the application of HKR method for the first time in the synthesis of biologically active compounds.

ARTICLES



Ar = 4-ClC$_6$H$_4$ 76 %



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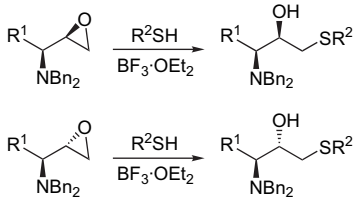

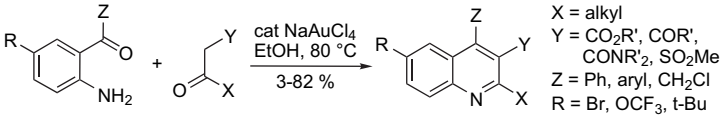

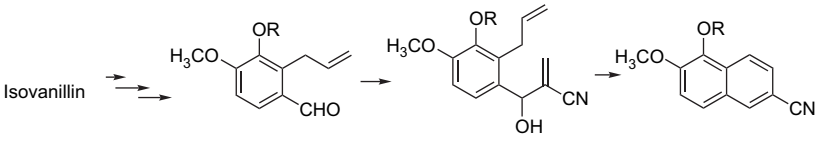

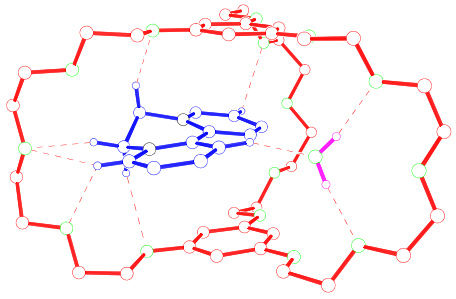

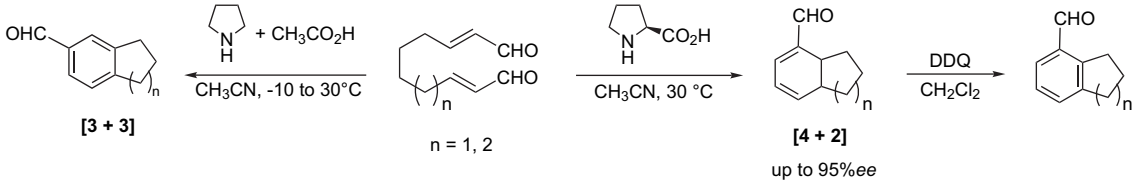

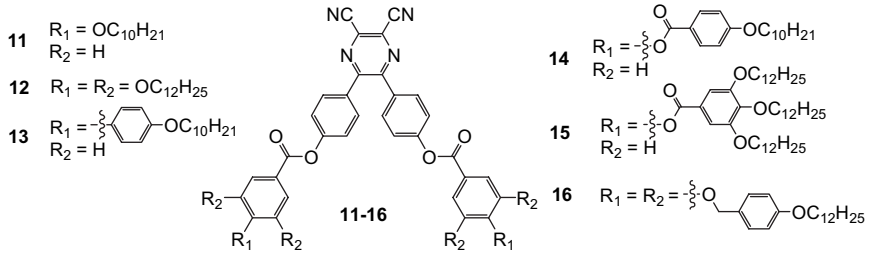

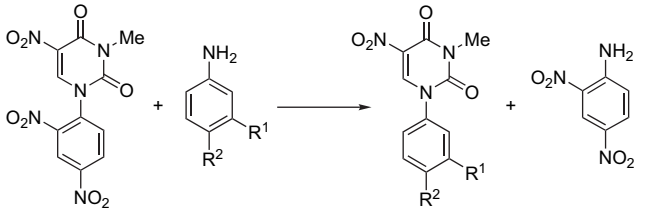

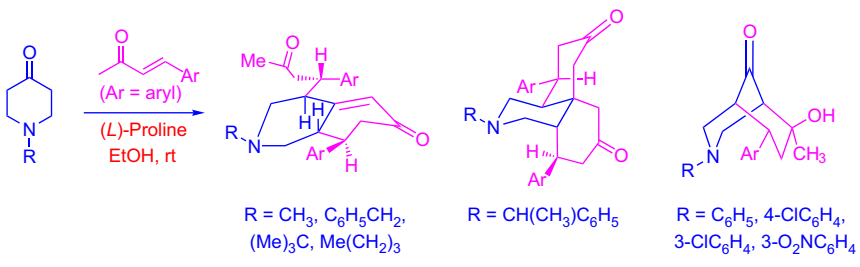

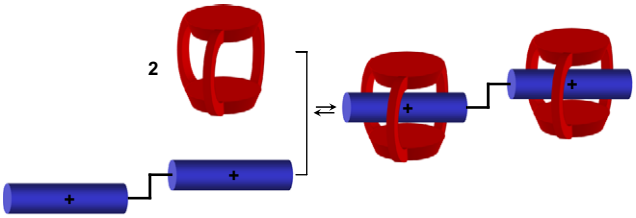

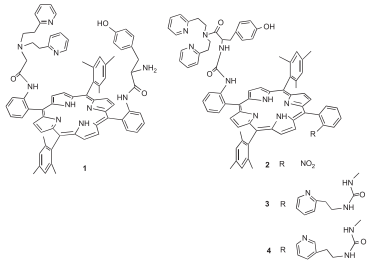

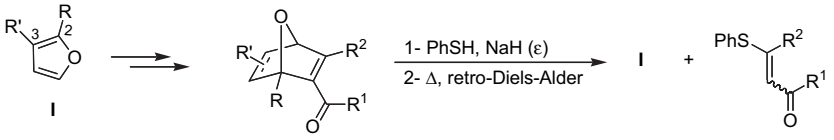

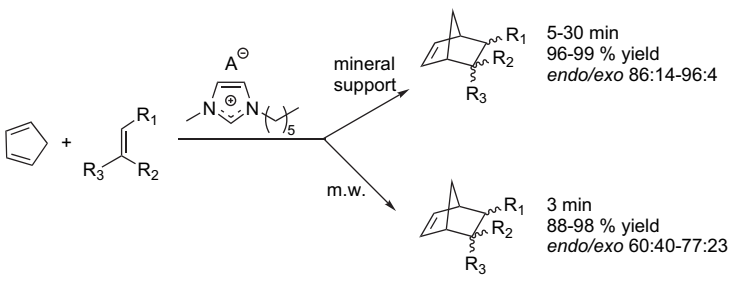

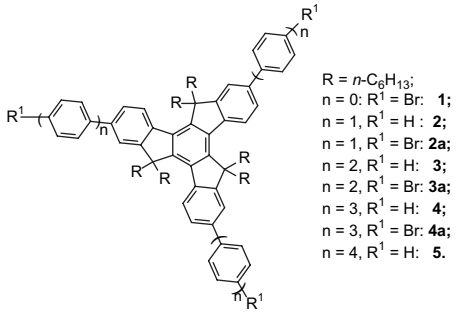

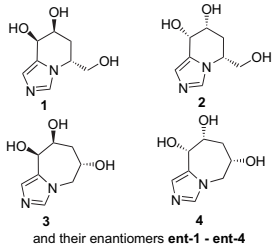

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

COVER

The preparation of the functionalized 3,4-pyridynes as highly reactive intermediates has been achieved by the controlled elimination of readily generated 2-magnesiated diaryl sulfonates obtained by a low temperature I/Mg- or Br/Mg-exchange starting from the corresponding aryl halides, and after trapping the functionalized 3,4-pyridynes with furan, the desired functionalized cyclo-adducts are obtained in good yield. *Tetrahedron* **2007**, *63*, 2787–2797.

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