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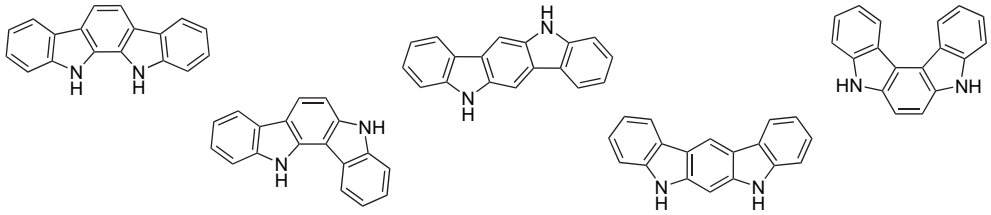
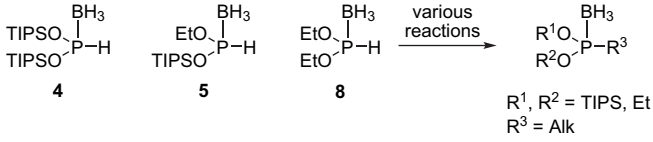
Contents

REPORT

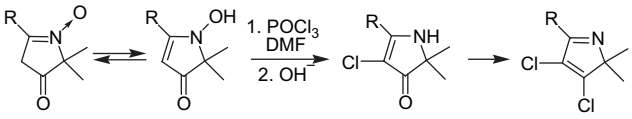


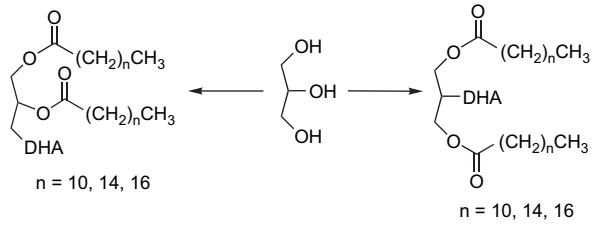
The recent advances in the chemistry and applications of indolocarbazoles are reviewed, mainly covering the period 2001–2007.

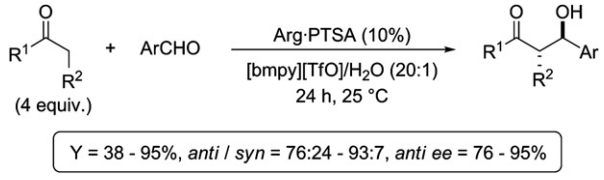
ARTICLES

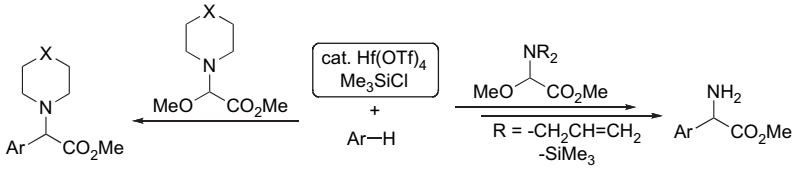


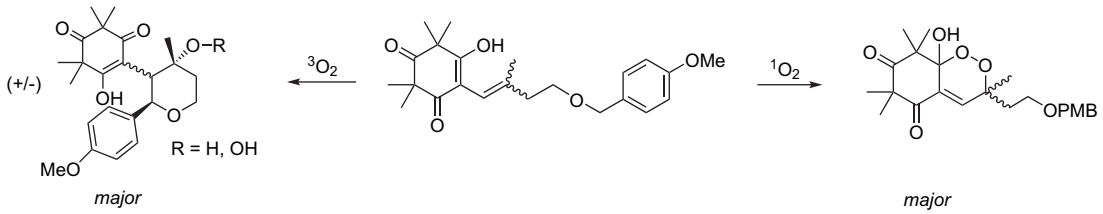
The preparation and reactivity of novel (R^1O)(R^2O)P(BH_3)H [R^1, R^2=Et, TIPS] synthons is investigated. The direct alkylation of these compounds with lithium hexamethyldisilazide (LiHMDS) and various electrophiles, provided new series of phosphonite-borane complexes, which can be converted into *H*-phosphinates and boranophosphonates.

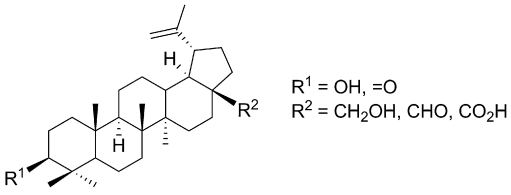




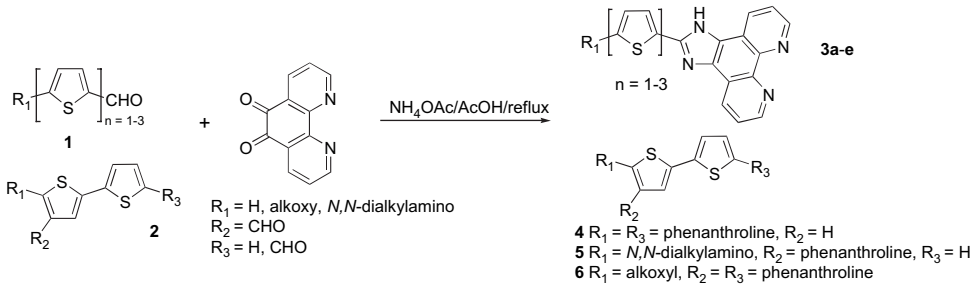


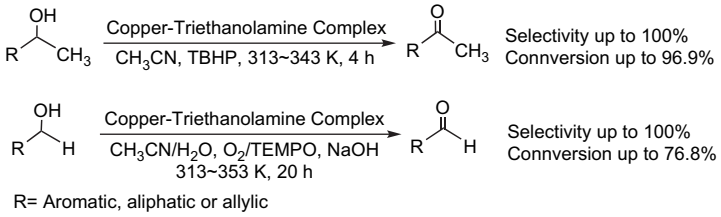


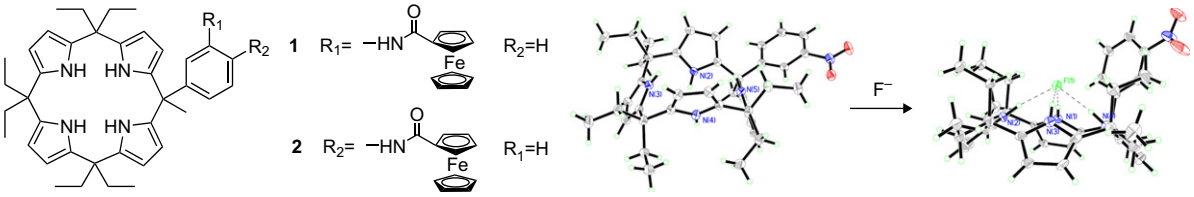


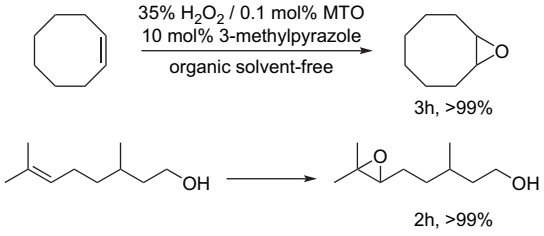


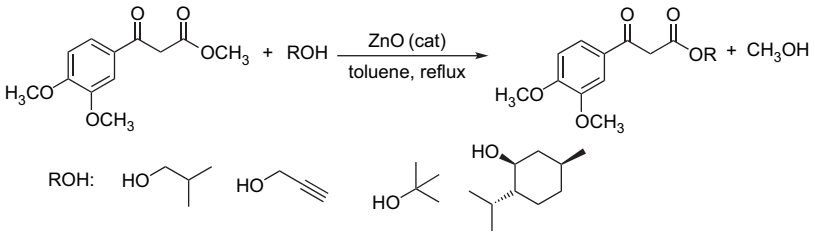
New thermally stable heterocyclic chromophores **3**–**6** based on an (oligo)thiophene π-conjugated bridge and an imidazo-phenanthroline moiety were synthesized in moderate to excellent yields by condensation of 5,6-phenanthroline-dione with formyl (oligo)thiophenes **1**–**2** in the presence of ammonium acetate in glacial acetic acid.

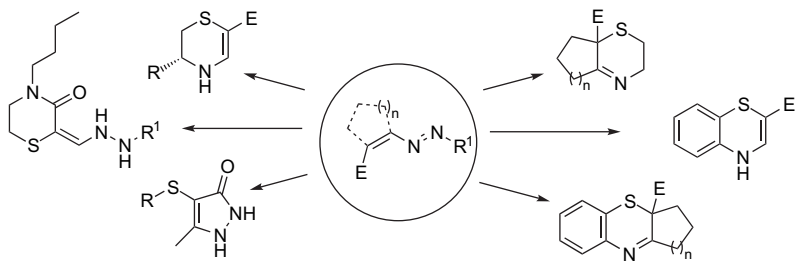


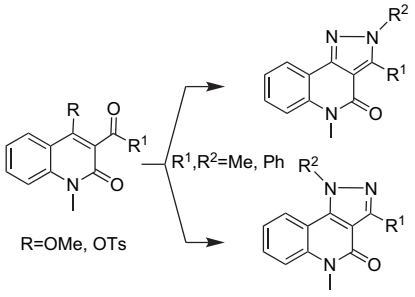


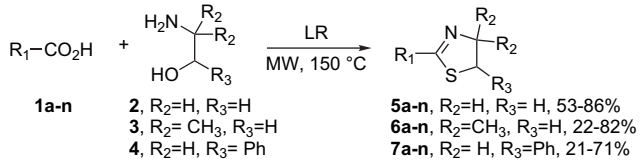


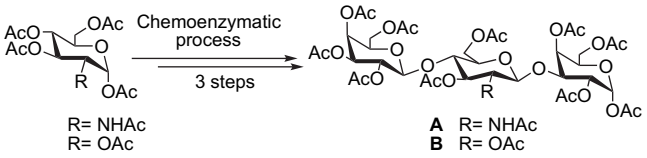


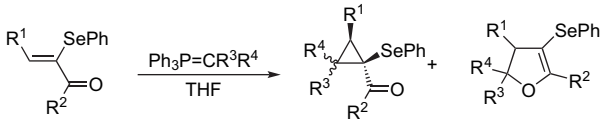


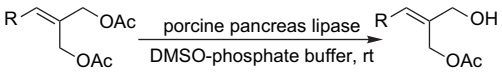


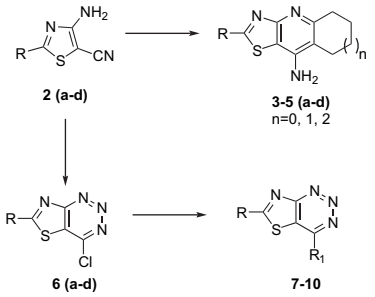


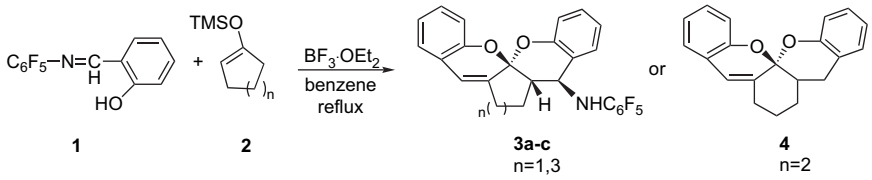


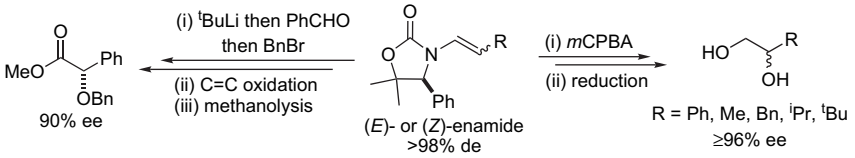












Functionalisation of homochiral enamides derived from SuperQuat (*S*)-4-phenyl-5,5-dimethyl-oxazolidin-2-one offers access to homochiral 1,2-diols and α-benzyloxy carbonyl compounds.

*Corresponding author
Supplementary data available via ScienceDirect

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