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Tetrahedron Letters

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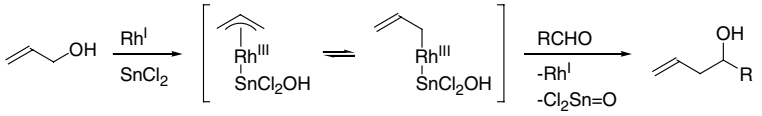
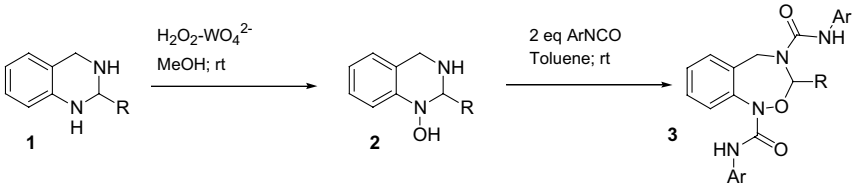
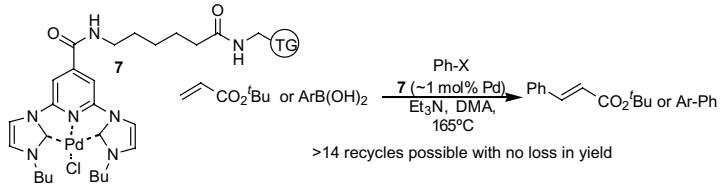
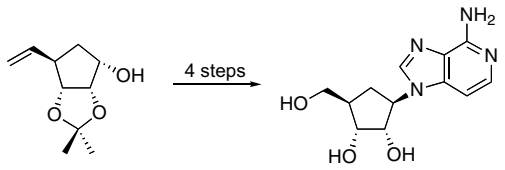
COMMUNICATIONS

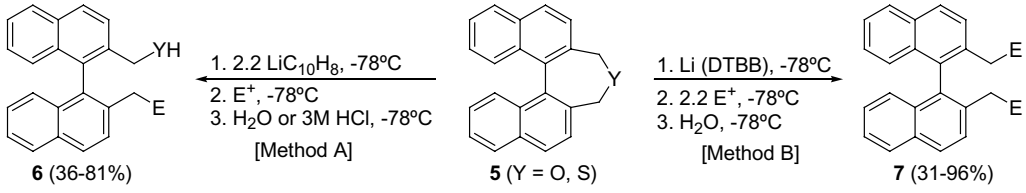


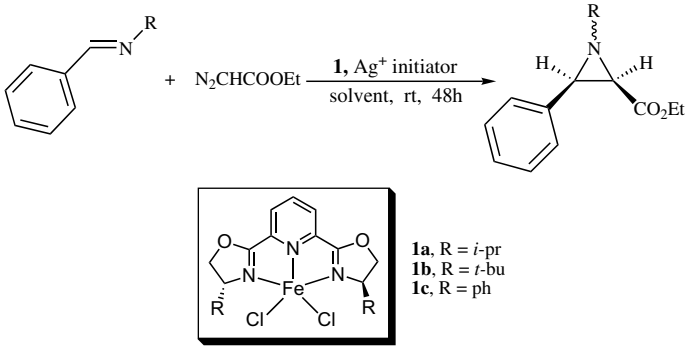


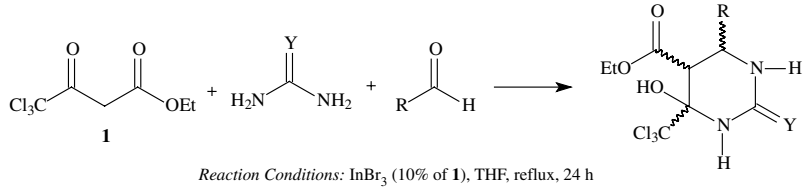
Quinazolines **2** were oxidized to give **3**, which underwent ring expansion when treated with aryl isocynates.

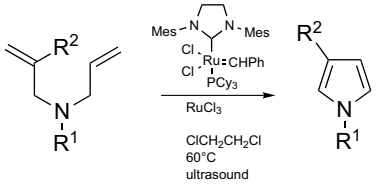


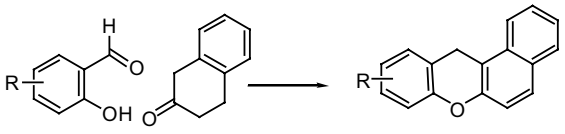


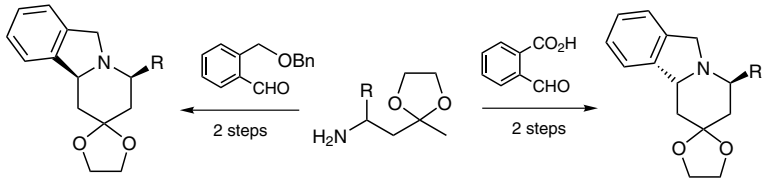


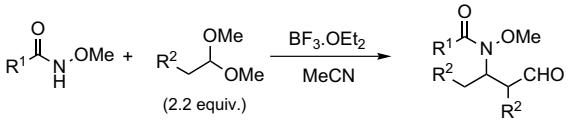


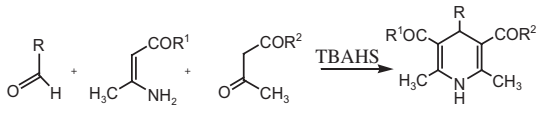


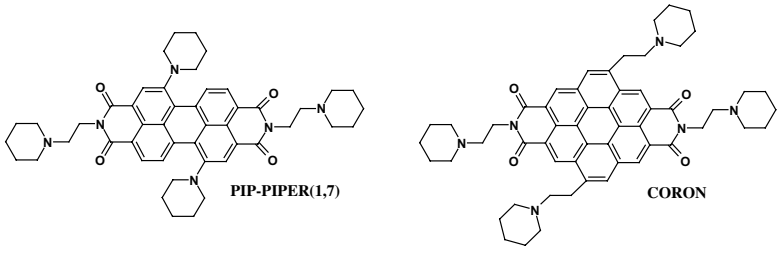


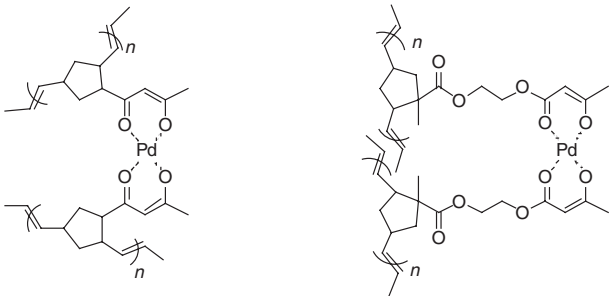


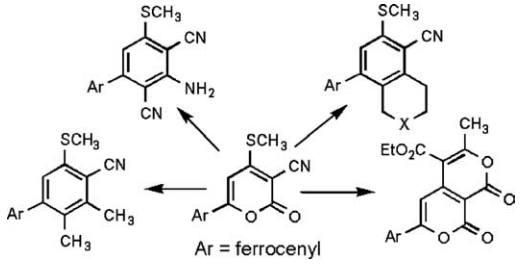




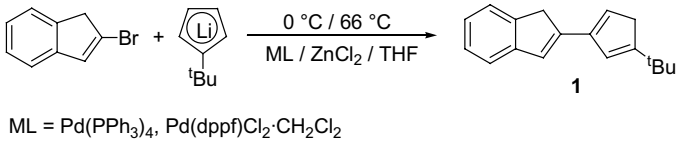


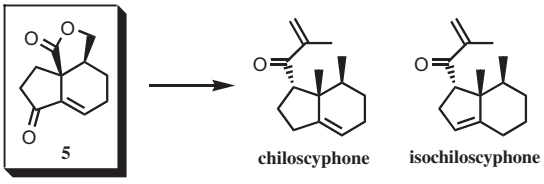




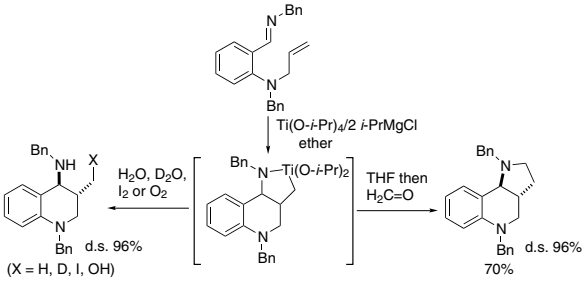


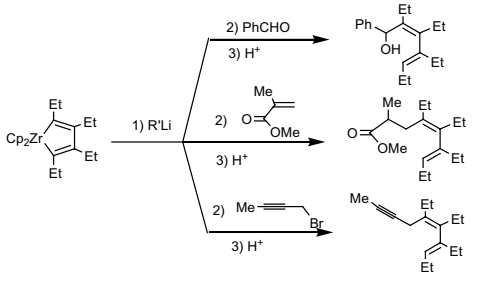
The synthesis of ferrocenylarenes and heteroarenes is described.

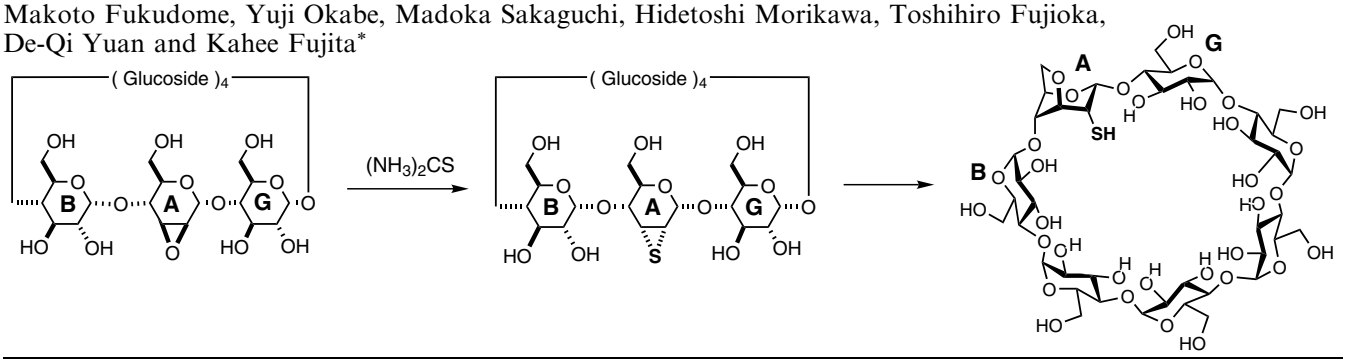


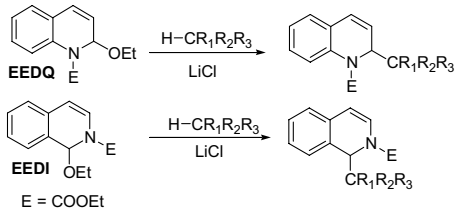


Tricyclic intermediate **5** was synthesized by using the intramolecular Diels–Alder reaction as the key step. Total synthesis of (±)-chiloscyphone and (±)-isochiloscyphone was accomplished.

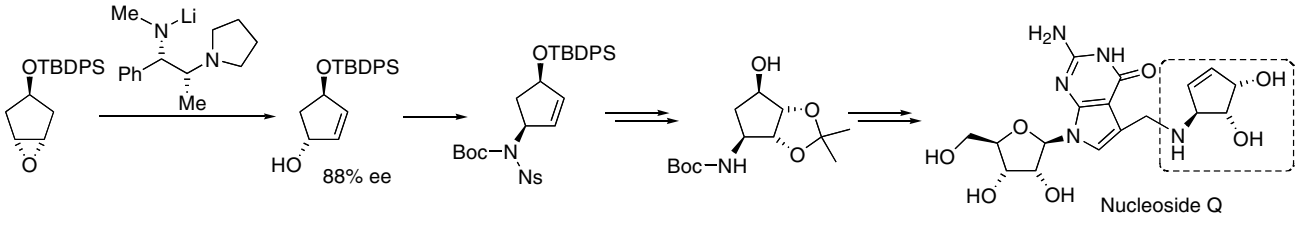


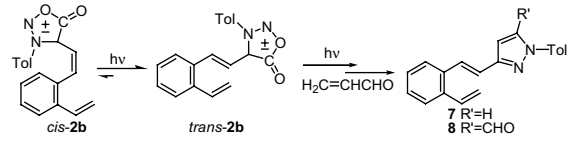


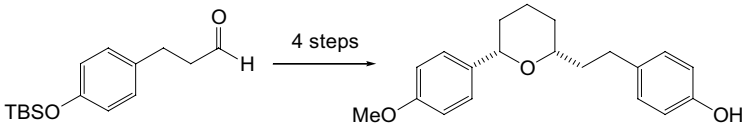


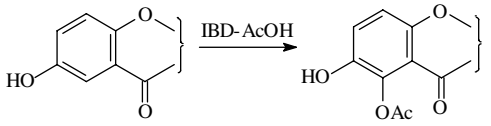


The in situ generated EEDQ and EEDI reacted with alkylating reagents such as diethyl malonate, ethyl acetoacetate etc. in the presence of a 0.5 equiv of LiCl in acetonitrile to provide the corresponding products in high yields.

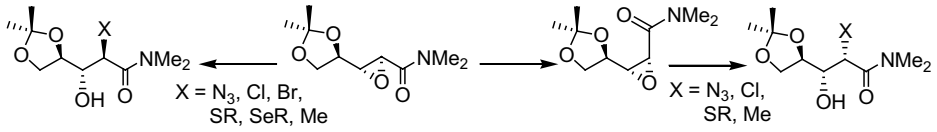


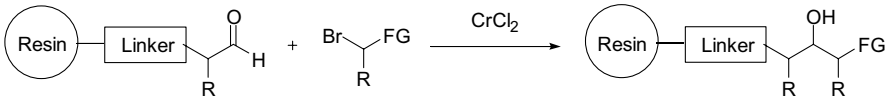


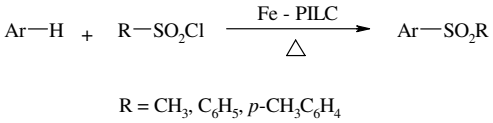


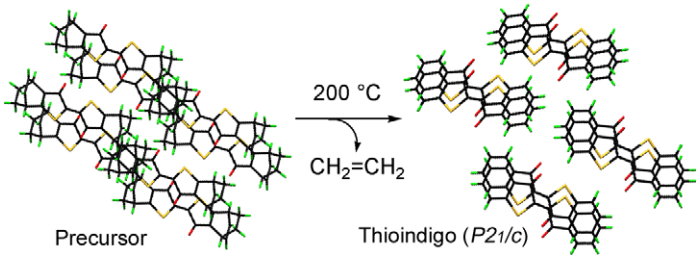


Oxidation of 6-hydroxyflavone and 6-hydroxyflavanones with iodobenzene diacetate in acetic acid leads to regioselective acetoxylation, thereby providing a novel and convenient route to 5-acetoxylated products.

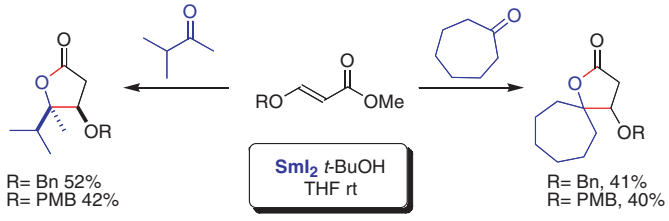


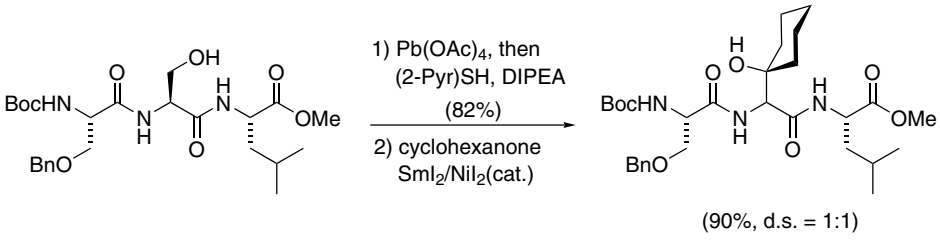


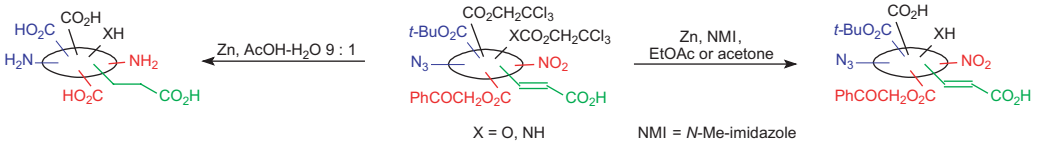


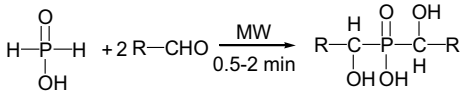


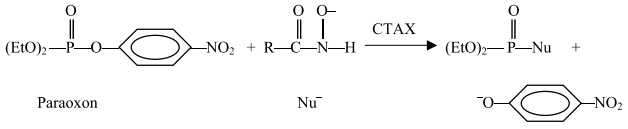
The precursor was converted to thioindigo with $P2_1/c$ structure by heating.



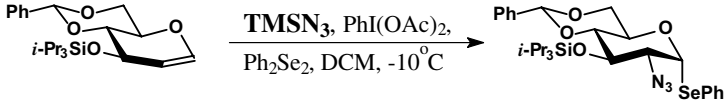




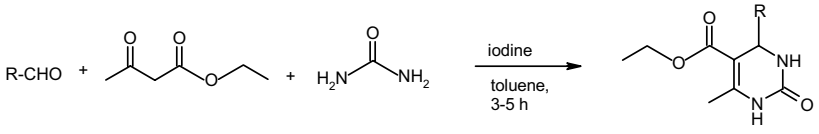




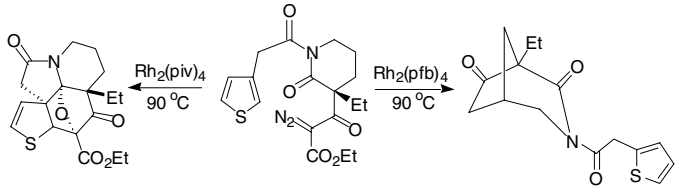
R = C_6H_5 (Benzohydroxamic acid, BHA), R = CH_3 (Acetohydroxamic acid, AHA), R = 2-HOC_6H_4 (Salicylhydroxamic acid, SHA)
CTAX = n-$C_{16}H_{33}N^+(Me)_3X^-$; X^- = Br^- (CTAB), X^- = Cl^- (CTACl), X^- = SO_3H^- (CTAP)

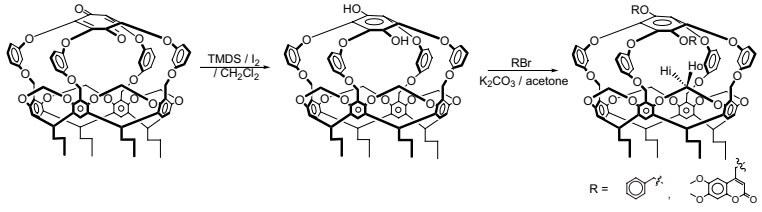


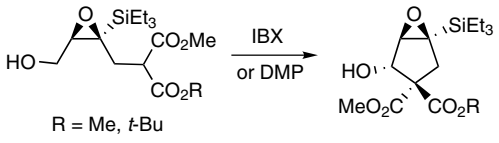
The use of $TMSN_3$ instead of NaN_3 allows the reaction to be performed under homogeneous conditions, shortens the reaction time, and provides reliable scale-up.



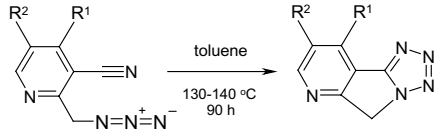
The use of iodine, as a catalyst for the one-pot synthesis of 3,4-dihydropyrimidin-2(1*H*)-ones is reported.

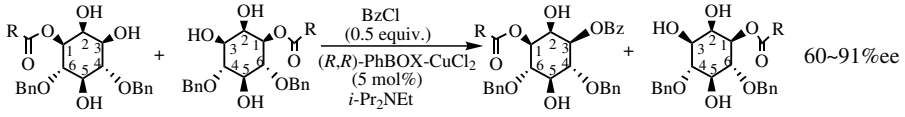


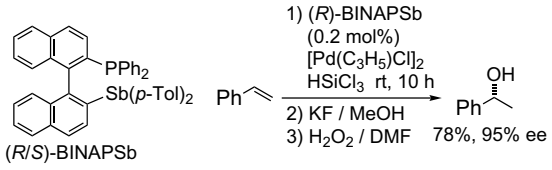


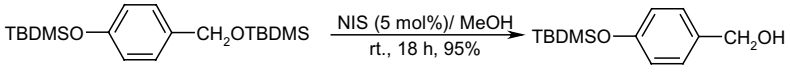


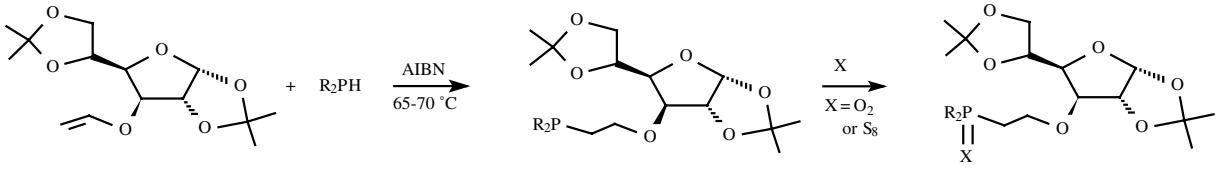
Mild stereoselective conversion of epoxyalcohols into cyclopentanols, induced by the oxidizing reagents DMP or IBX.











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*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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