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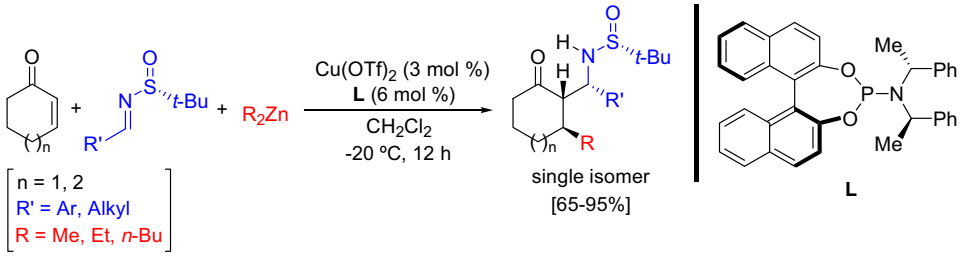
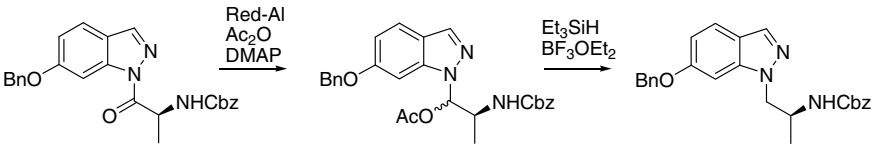
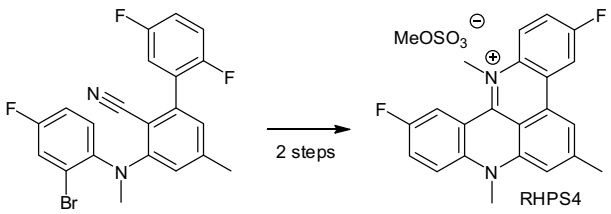
Contents

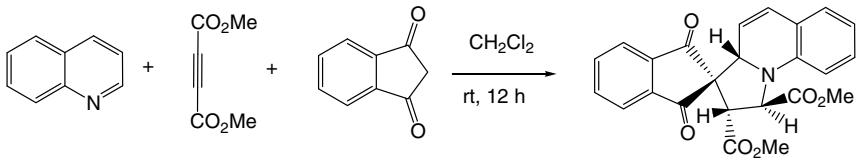
COMMUNICATIONS

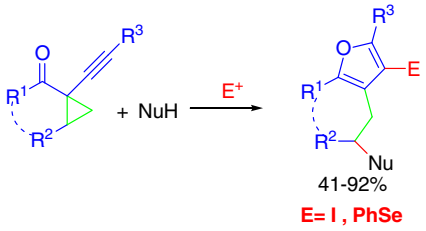


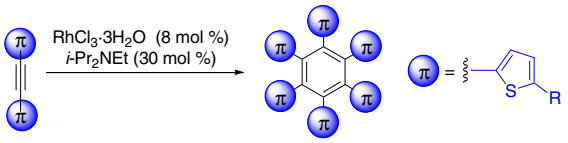


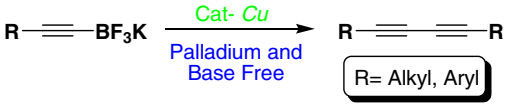
The two-step method avoids C–N bond cleavage, which predominates under typical metal hydride reduction conditions. This opens a new route to regiocontrolled formation of *N*1-alkylindazoles.

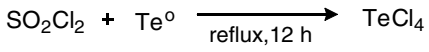




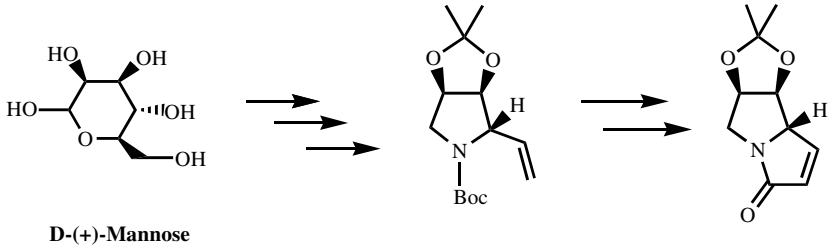


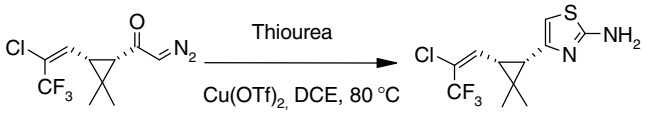


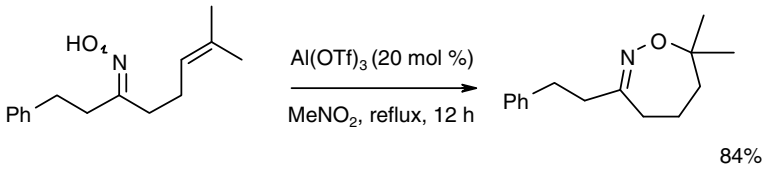


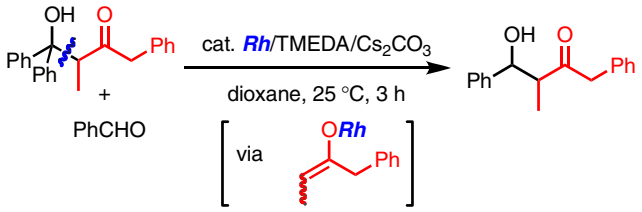


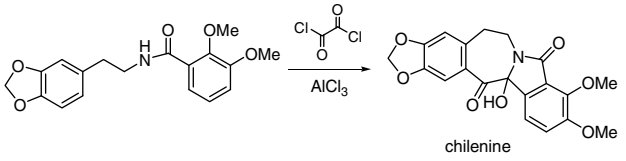
An efficient and practical synthesis of tellurium tetrachloride from elemental tellurium and sulfuryl chloride is described.

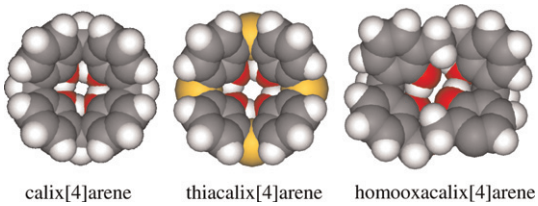


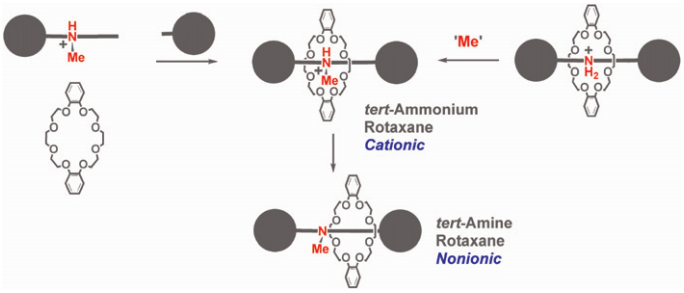


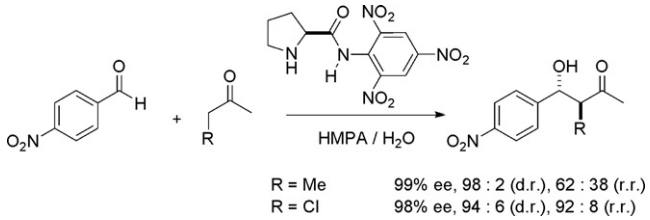


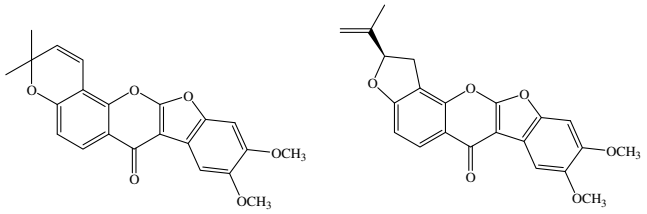






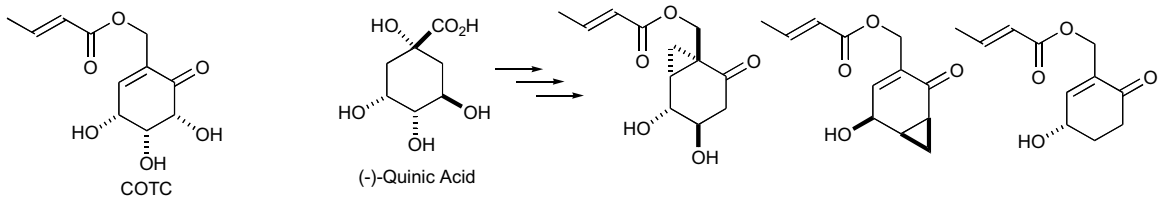


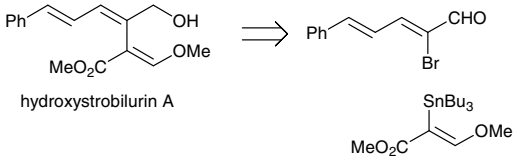




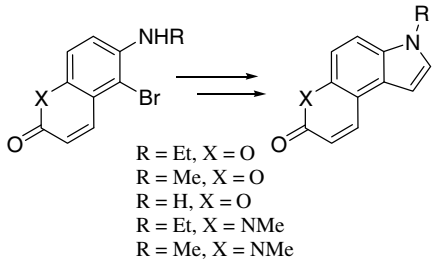
nor-Dehydrodeguelin *nor*-Dehydrorotenone

The newly reported natural C_{22} coumaronochromones are probably issued from either the corresponding 2′-hydroxyisoflavones and/or from the C_{23} dehydrorotenoids parents.

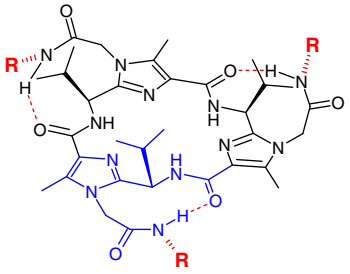


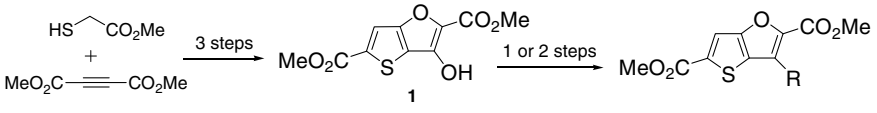


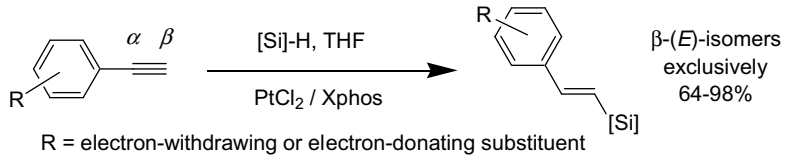
A six-step total synthesis of the fungicidal natural product hydroxystrobilurin A is described, utilising Stille chemistry for efficient access to the strobilurin (*E*,*Z*,*E*)-triene system.

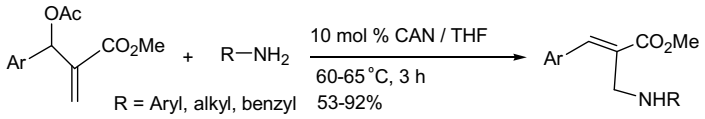


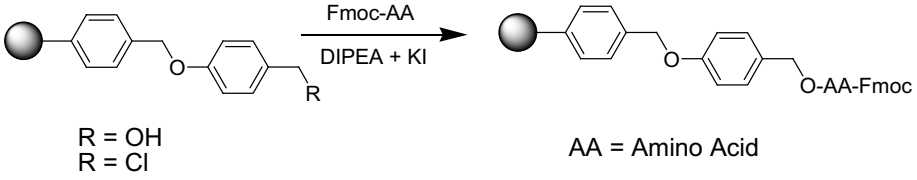
Cyclic imidazole-containing hexapeptides with three arms bound to the peptide scaffold via the secondary nitrogen atoms of the imidazoles are presented; these arms, together with a part of the macrocycle, form peptide-like β-turns making their helicity predeterminable and allowing the diastereoselective synthesis of Λ-metal complexes.

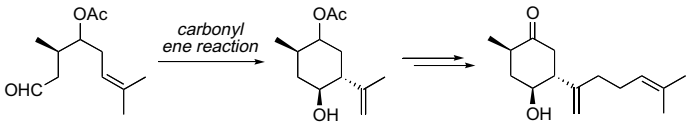


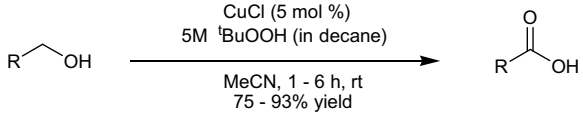




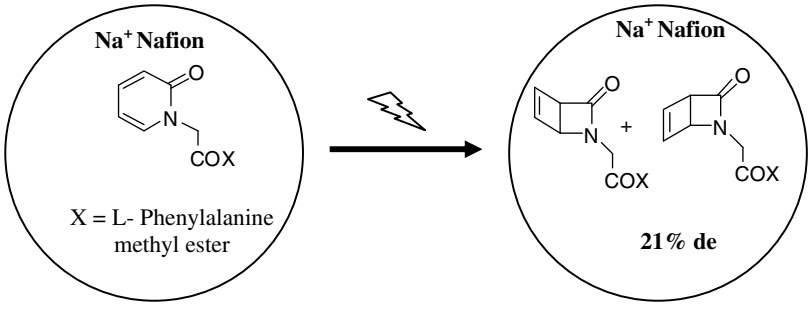


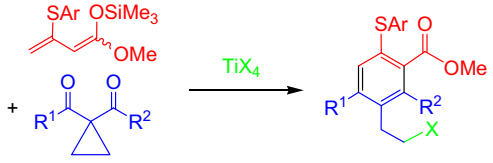


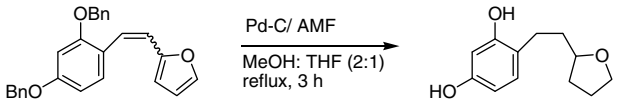




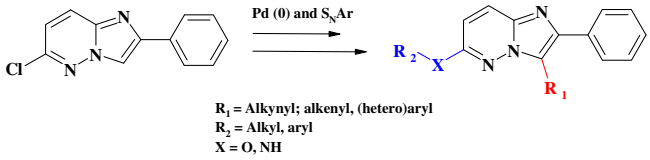
Direct oxidation of primary alcohols to the corresponding carboxylic acids is performed highly efficiently at room temperature with anhydrous *tert*-butyl hydroperoxide in the presence of a catalytic amount of CuCl under ligand free conditions in acetonitrile. Benzylic alcohols and allylic alcohols are more reactive than aliphatic alcohols, and are selectively oxidized to the corresponding acids in the presence of aliphatic alcohols such as 1-octanol and 1-decanol.

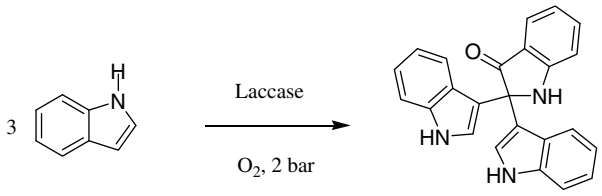






Pd–C/ammonium formate efficiently and selectively reduces hetero-aromatic furan ring to the corresponding tetrahydrofuran moiety. Under this reaction condition, carbon–carbon double bond and α,β-unsaturated ketones also reduced to the corresponding alkanes and saturated ketones.





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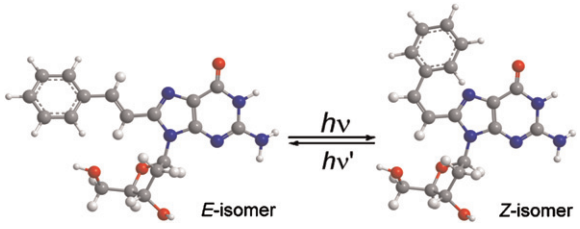

A novel guanosine derivative with a photoswitching property was synthesized, and showed reversible and efficient switching cycles in photoisomerization.

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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