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Tetrahedron

Tetrahedron Vol. 62, No. 26, 2006

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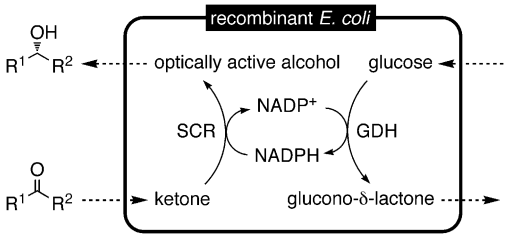
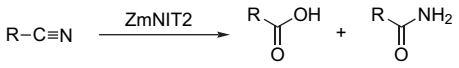
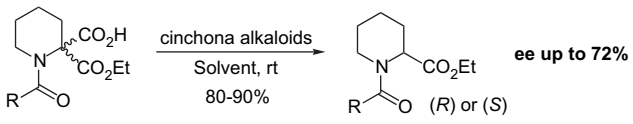
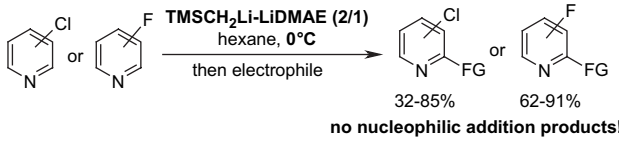
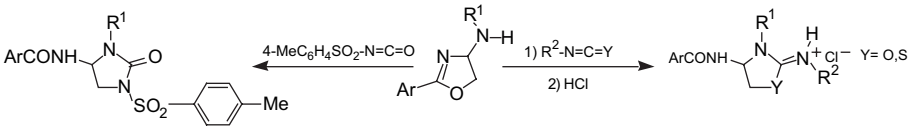
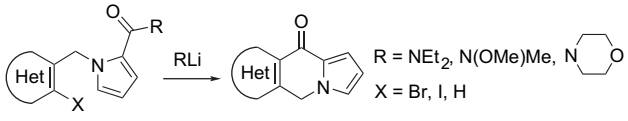


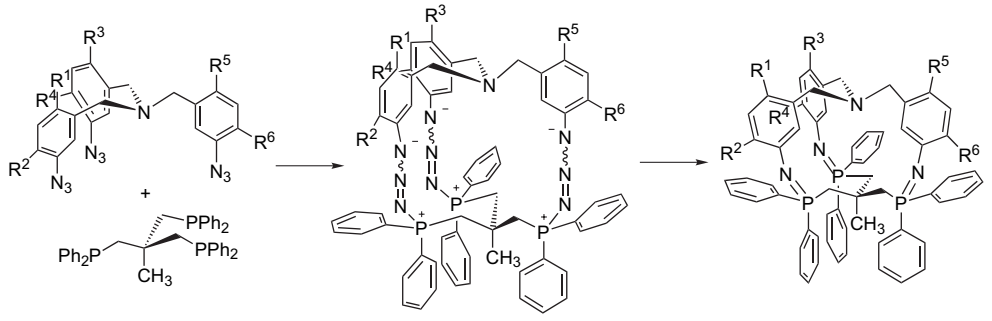


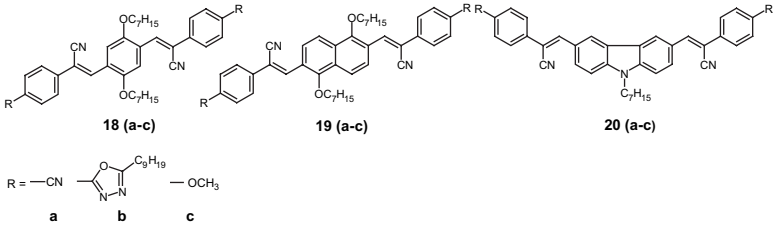




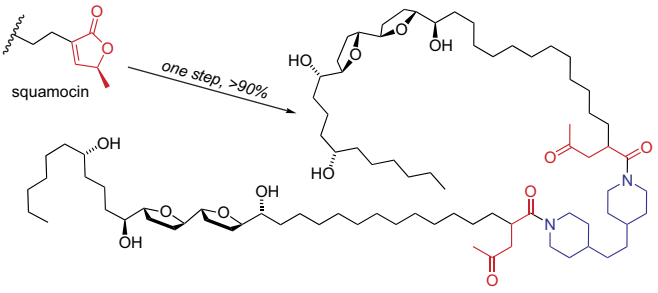




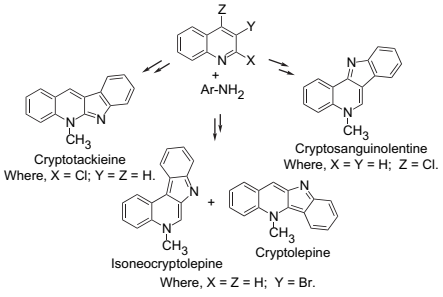


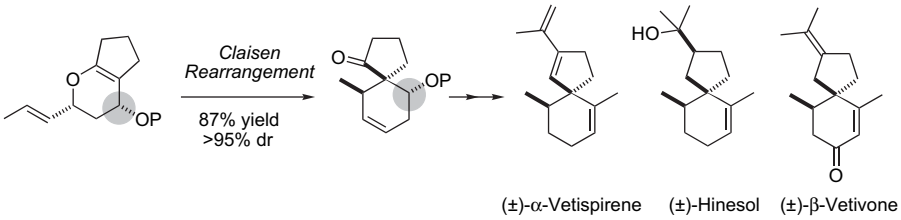


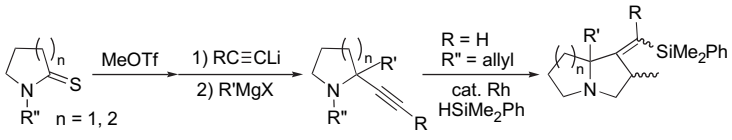
A series of cyano-substituted model compounds (**18**–**20**) for OLEDs were prepared and the influence of electron releasing and electron-withdrawing substituents on α-cyanostyryl moieties was investigated as far as their emissive and absorptive properties were concerned.

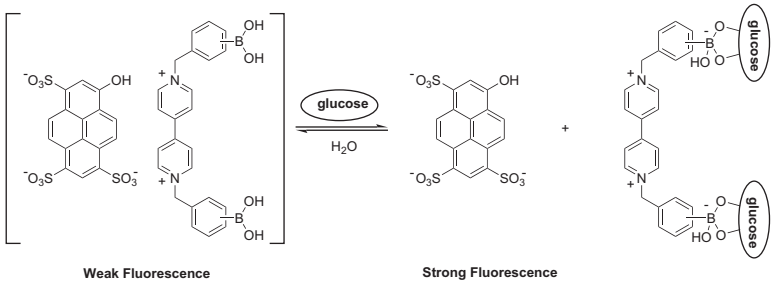


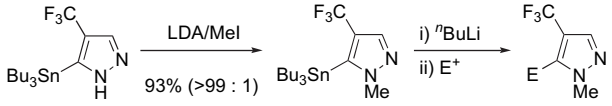
A three-step synthesis of the indoloquinoline alkaloids and their new methyl derivatives has been described, which may be useful as new antiplasmodial drugs and DNA intercalating agents.

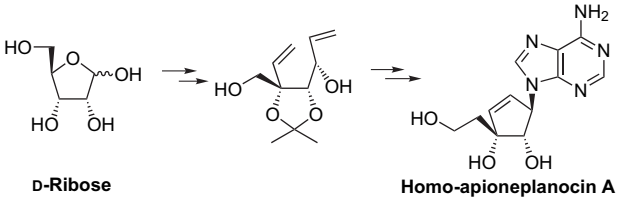




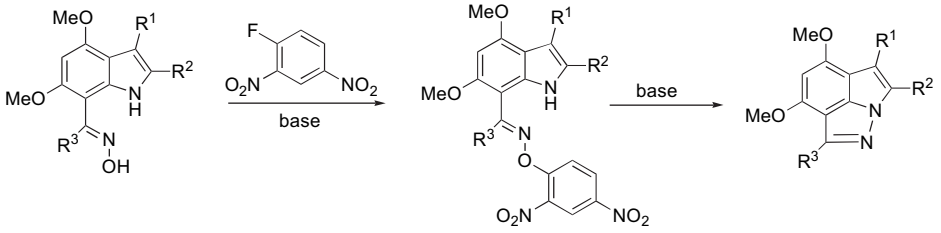


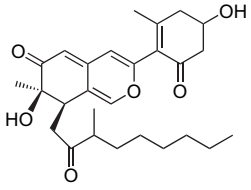




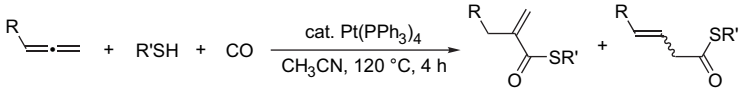


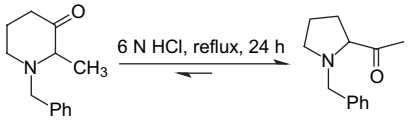
Homo-apioneplanocin A was efficiently synthesized via stereoselective hydroxymethylation, regio- and chemoselective hydroboration, and chemoselective oxidation as key steps from D-ribose.

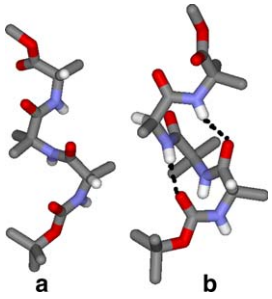


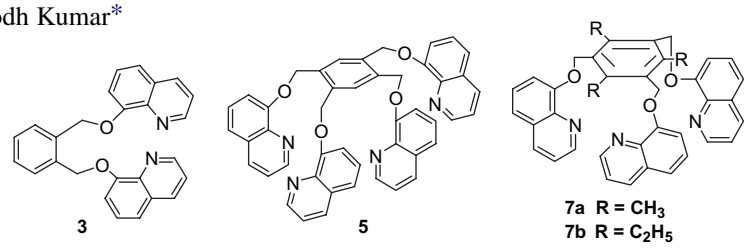


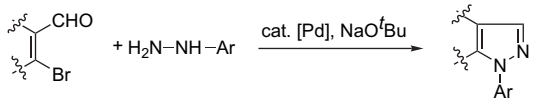
Four new antibiotic azaphilones named cohaerins C–F along with binapthyl were isolated and characterized from the xylariaceous fungus *Annulohypoxylon cohaerens*.

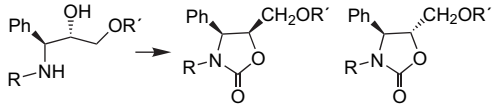


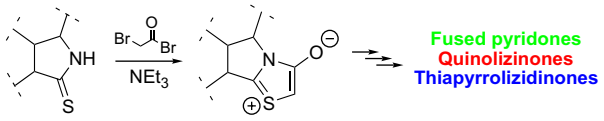




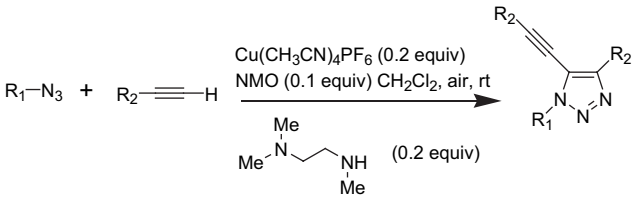


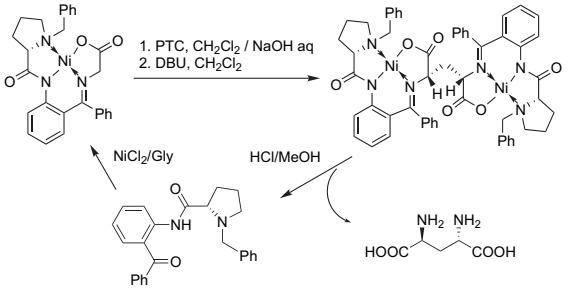


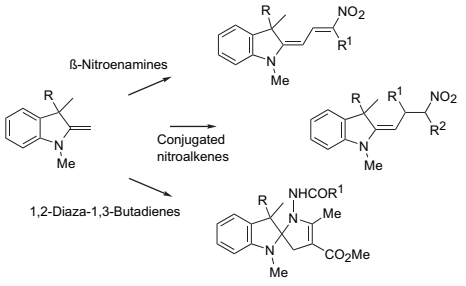


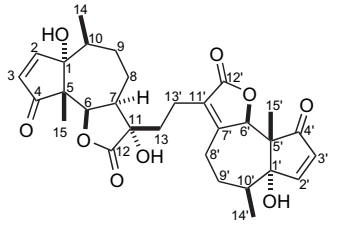


Substituted thiapyrrolizidinones and fused pyridones, and quinolizinones were synthesized efficiently by thioisomünchnone/1,3-dipolar cycloaddition/desulfurization cyclization cascade in a one-pot procedure from thioamides.









dichrocepholide D

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

COVER

The self-assembly of tris(3-azidobenzyl)amines with 1,1,1-tris[(diphenylphospino)methyl]ethane (*triphos*) *via* tripod–tripod coupling proceeds successfully to give chiral macrobicyclic triphosphazides. The heating of these macrobicyclic cages induces a remarkable stepwise triple extrusion of molecular nitrogen to afford tri-λ^5-phosphazenes which preserve the chiral, propeller-like topology of their precursors. The molecular structure of one of the tri-λ^5-phosphazenes ($R^1{=}R^3{=}R^5{=}$Br, $R^2{=}R^4{=}R^6{=}$H) is shown projected along the threefold axis [from the tribenzylamine fragment (right) and also from the *triphos* fragment (left)]. Six phenyl groups have been replaced by hydrogen atoms for clarity. *Tetrahedron* **2006**, *62*, 6190–6202.

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ISSN 0040-4020