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Tetrahedron Letters

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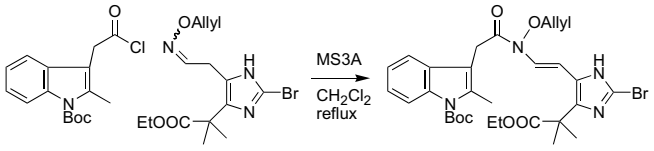
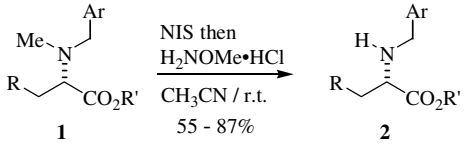
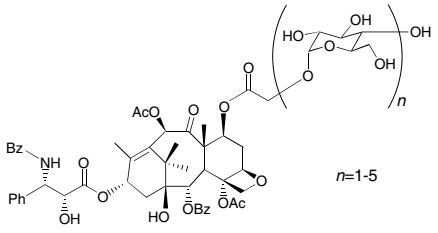
Contents

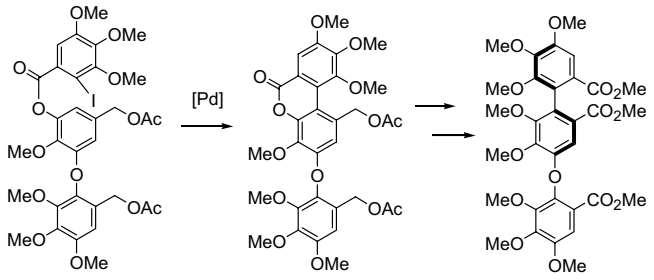
COMMUNICATIONS

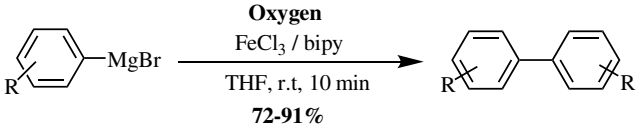


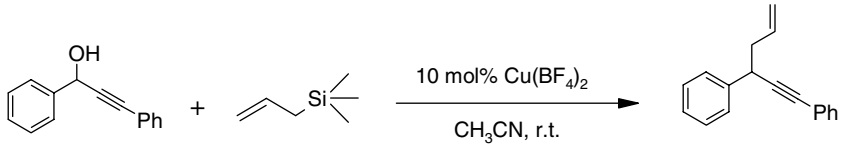
N-Acylation of an oxime gave the corresponding *N*-hydroxyenamide, which is a key precursor in our synthetic plan for the synthesis of the chartelline alkaloids.



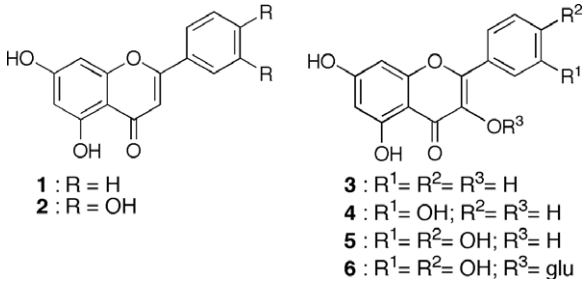


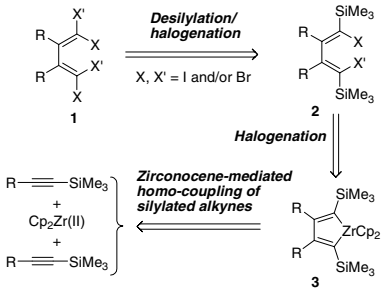


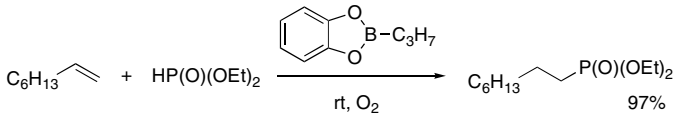


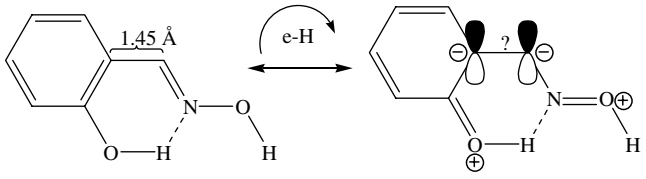


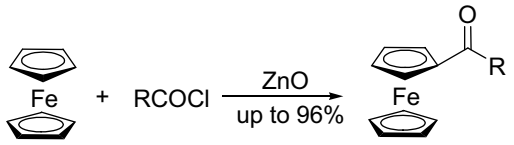
Flavonols **1**–**6** have been transformed upon treatment by *Trametes versicolor* laccase. Most of the major oxidation products have been investigated through spectral methods. The results are coherent with the predominance of a dismutation process, leading to cation formation, over direct radical–radical coupling.

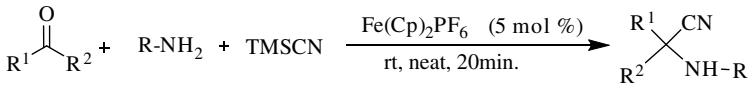


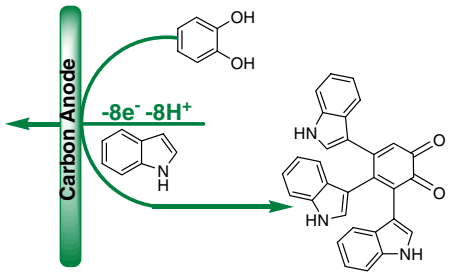


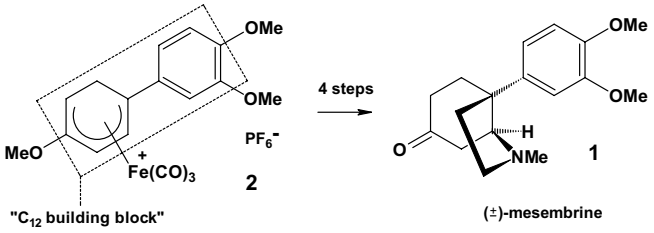




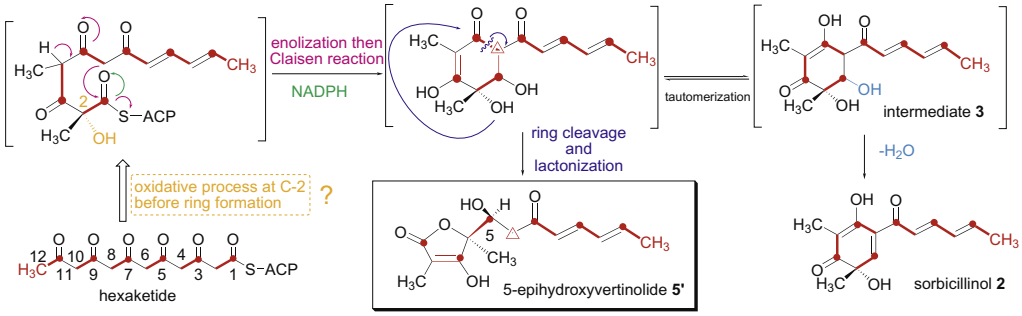


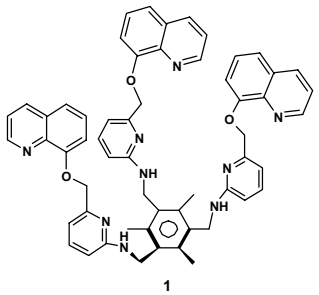




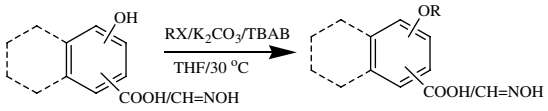


A 1-aryl-substituted electrophilic η^5-cyclohexa-dienyliron 'C_{12} building block' for the synthesis of (±)-mesembrine adopts a flattened conformation to allow nucleophile addition *ipso* to the arene.

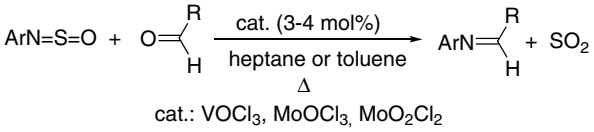


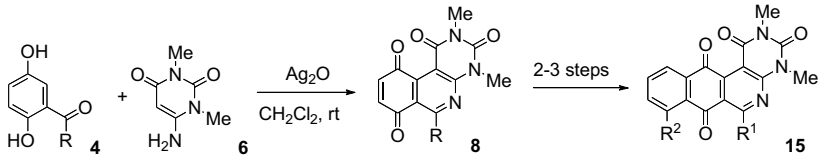


The quinoline-based tripodal fluororeceptor **1** has been designed and synthesized to bind citric acid. Receptor **1** shows strong excimer emission upon hydrogen bond-mediated complexation of citric acid.



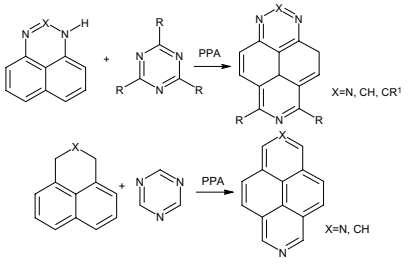
A simple method for chemoselective phenol alkylation with different phenolic substrates and alkyl halides is described using TBAB as catalyst.

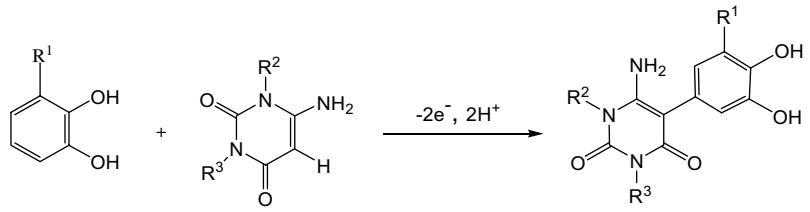


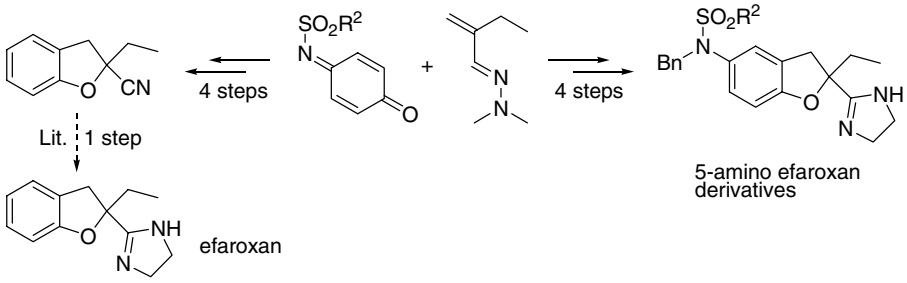


A straightforward access to angucyclinone AB-pyridopyrimidine analogues **15** from acylhydroquinones **4** and aminouracil **6** and preliminary evidence of their antitumour activity are reported.

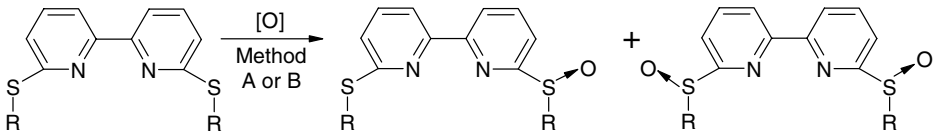
An effective synthesis of various azapyrenes from phenalenes and their dihydro derivatives has been developed using 1,3,5-triazines in polyphosphoric acid (PPA).



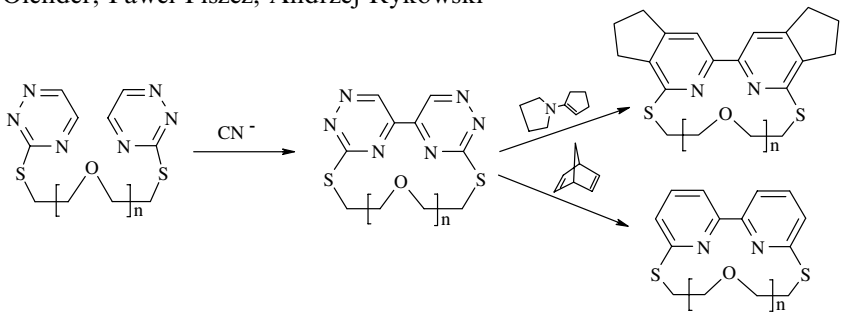




The formal total synthesis of (±)-efaroxan and the preparation of some 5-amino derivatives were achieved using a convergent strategy, based on a [3+2] cycloaddition reaction.



Method A: (+)-(8,8-dichlorocamphorylsulfonyl)oxaziridine; method B: modified Sharpless reagent.



*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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