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Tetrahedron Letters

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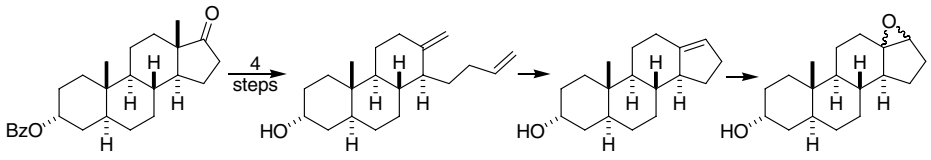
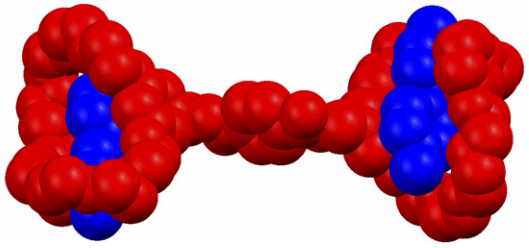
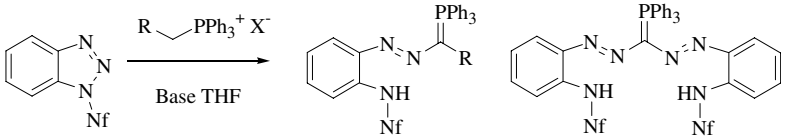
Contents

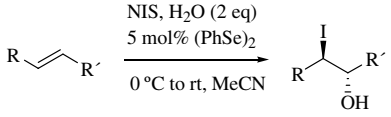
COMMUNICATIONS



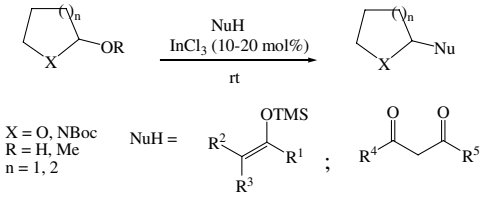




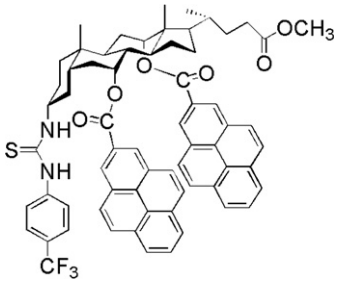
Nf = $SO_2C_4F_9$ R = Ar, COOEt (63-90%) R = H (44%)

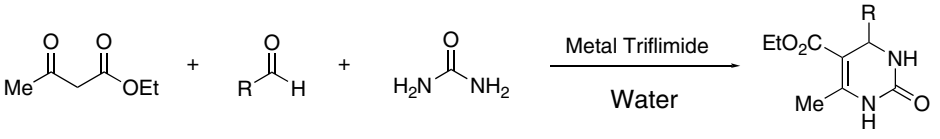


A new simple method for the catalyzed iodohydroxylation of alkenes using stoichiometric amounts of water is described. Iodohydrins were prepared in good yields from the corresponding alkenes using *N*-iodosuccinimide, 2 equiv of H_2O, and catalytic amounts of diphenyl diselenide in MeCN.

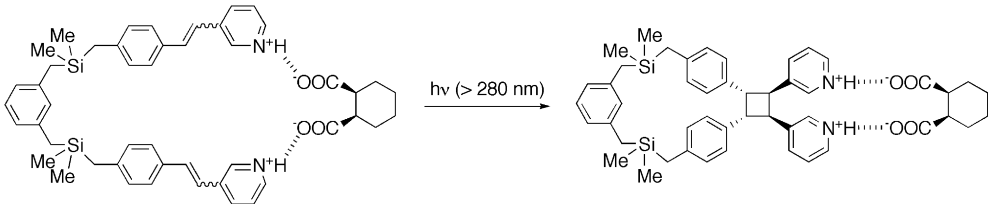


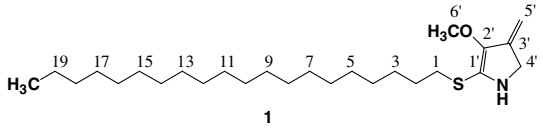
A fluorescent receptor **1** has been synthesized and showed a significant enantioselectivity for *S*-mandelate by the fluorescence and ^1H NMR studies.

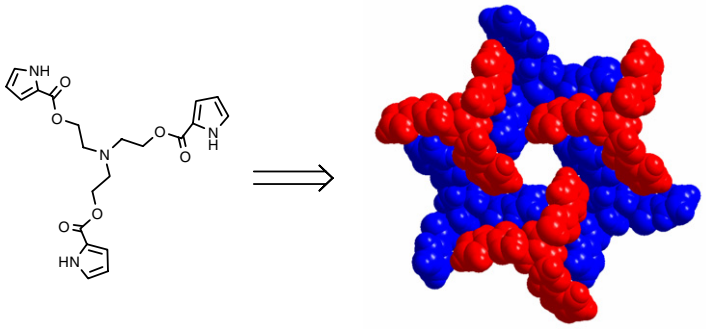


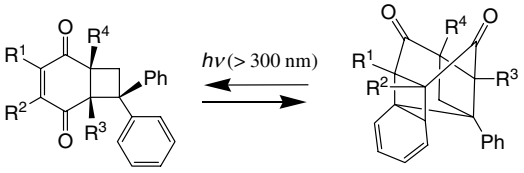


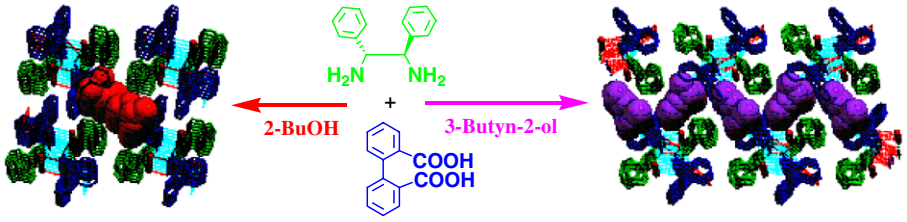
Metal Triflimide: $Ni(NTf_2)_2$, $Cu(NTf_2)_2$ and $Yb(NTf_2)_3$

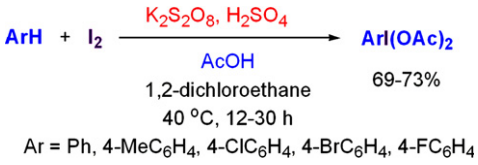


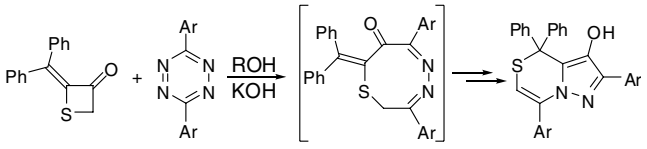


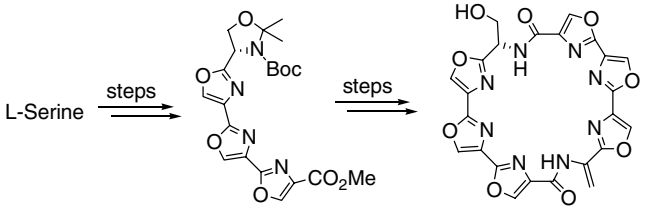


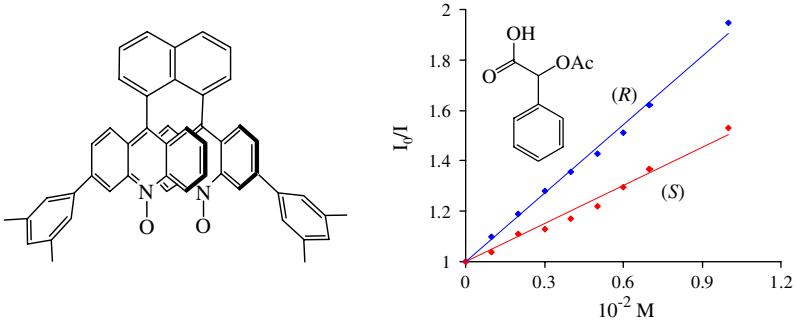


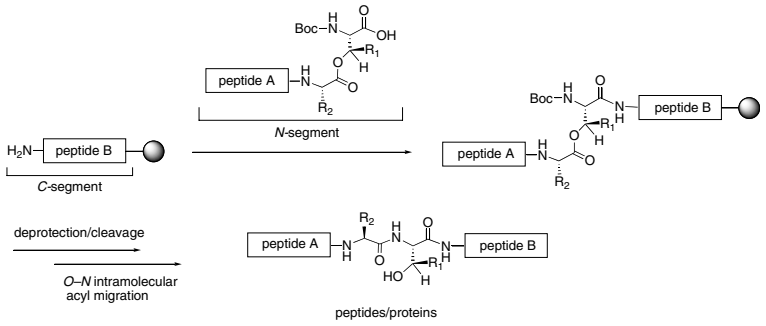


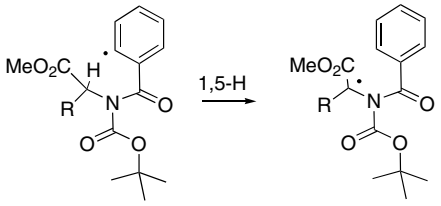




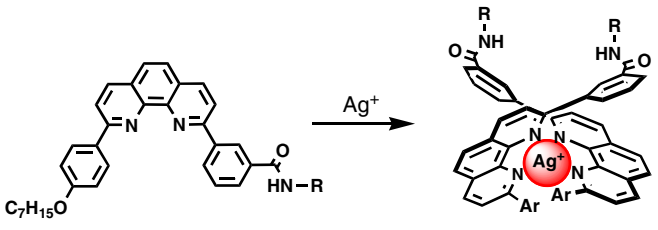




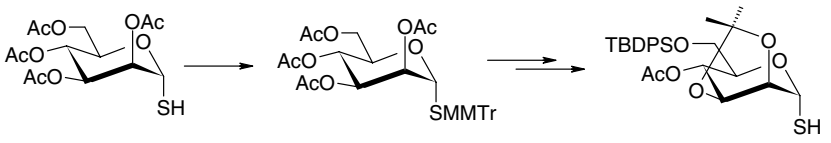




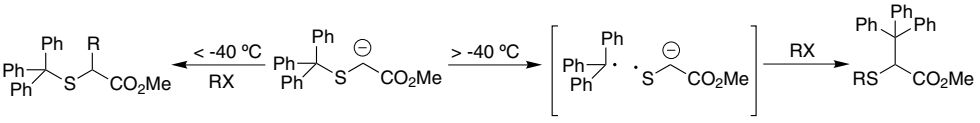
Absolute rate constants for 1,*n*-hydrogen atom transfers in some substituted amino acid derived radicals have been determined in benzene through the use of competitive kinetics. Values in the range: 1.0–4.9 × 10^7 s^{-1} at 80 °C were determined for 1,5-hydrogen transfers in the systems depicted.

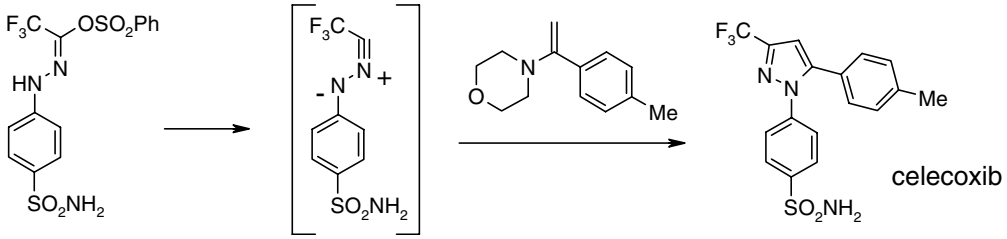


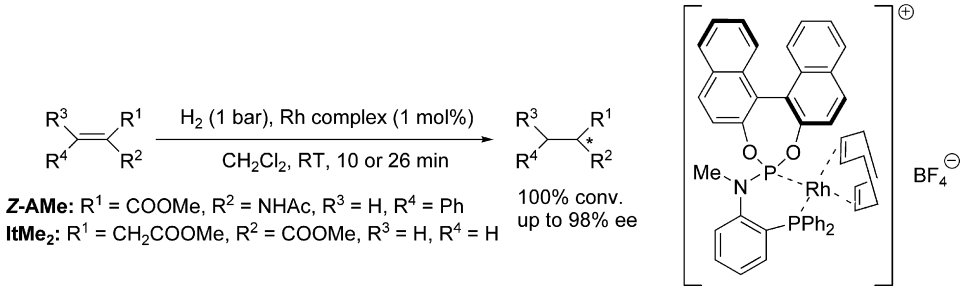
We report the synthesis of a dynamic combinatorial library of fullerene hosts via metal-induced self-assembly, and its evaluation by using ESI mass spectrometry.

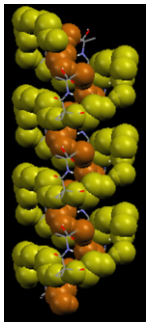


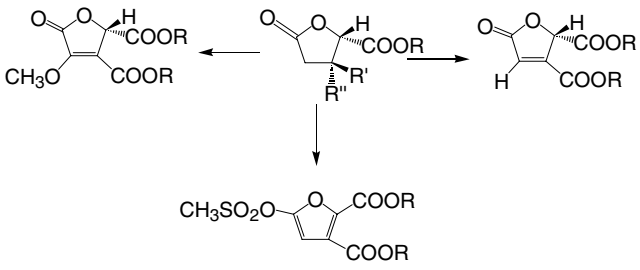
The 4-monomethoxytrityl (MMTr) group was demonstrated to have potential as an anomeric S-protecting group for the synthesis of glycosyl thiols.

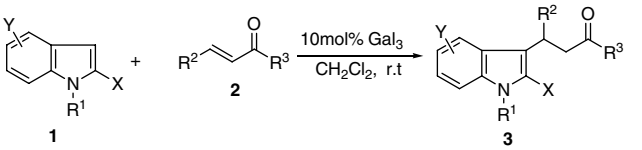






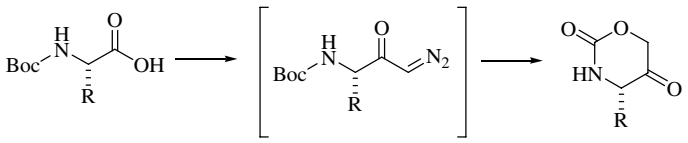




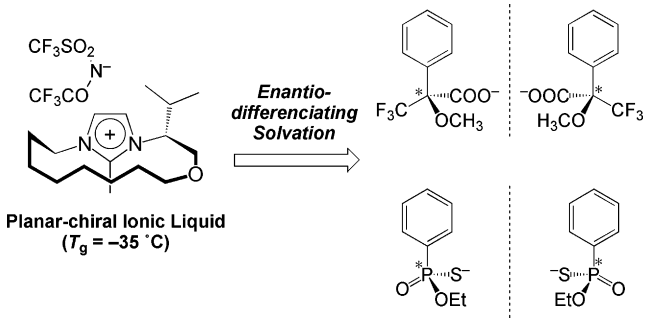


X = H, CH_3; Y = H, 5-Br, 7-CH_3; R^1 = H, CH_3; R^2 = H, Alkyl, Aryl; R^3 = Alkyl, Aryl

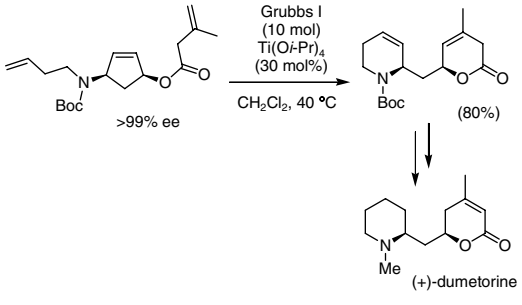
Reactions of indoles and α,β-unsaturated ketones could be effectively catalyzed by using 10 mol % gallium triiodide to give the corresponding Michael adducts in good to excellent yields.

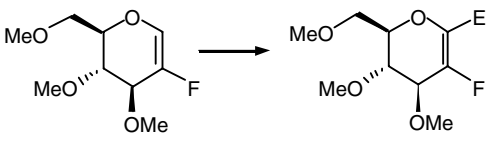


A simple and efficient synthesis of cyclic urethanes and related oxazinanones from diazoketones is described.

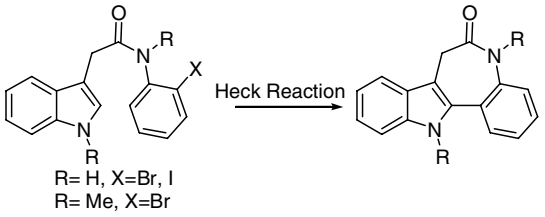


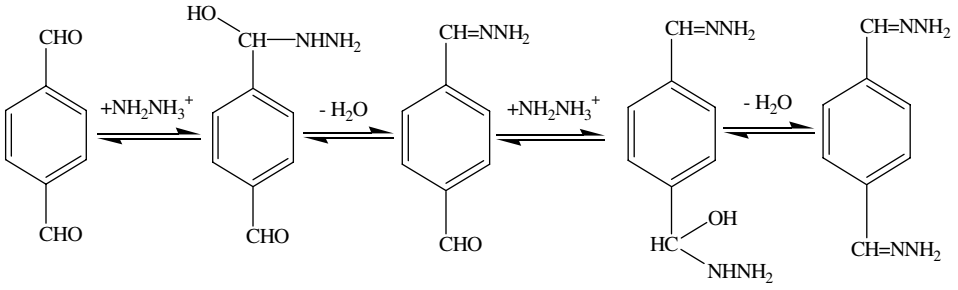
The first enantioselective synthesis of (+)-dumetorine is described by ring-rearrangement reaction in a concise synthesis, using only the cheap, commercially available Grubbs I catalyst in the key step.





The metallation and subsequent alkylation of 2-fluoro-3,4,6-tri-*O*-methyl-D-glucal is described.





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*Corresponding author
Supplementary data available via ScienceDirect

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