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Tetrahedron Letters

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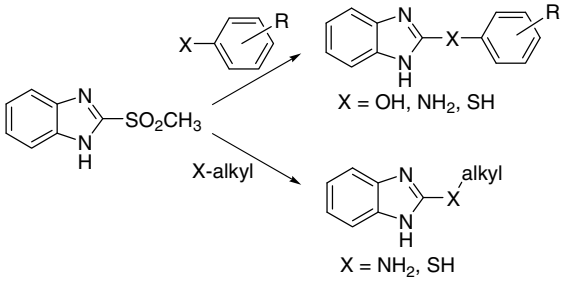
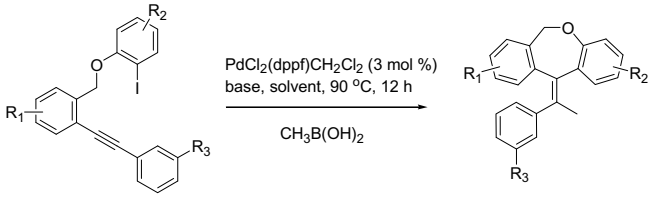
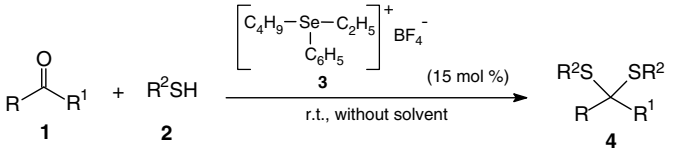
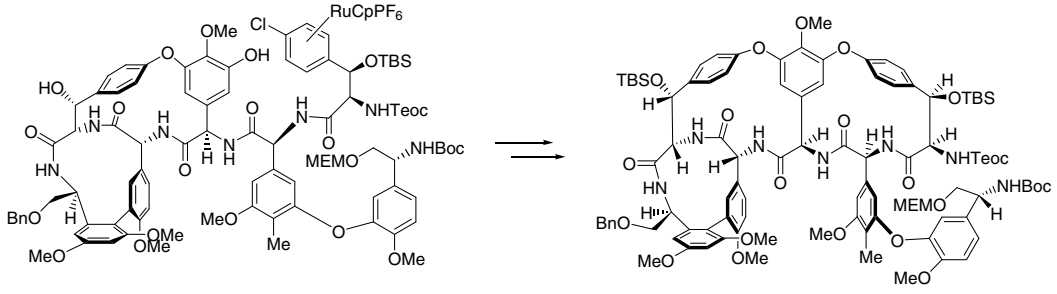
Contents

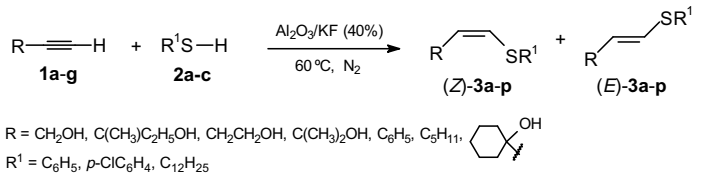
COMMUNICATIONS

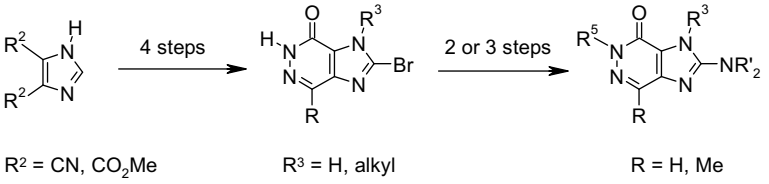


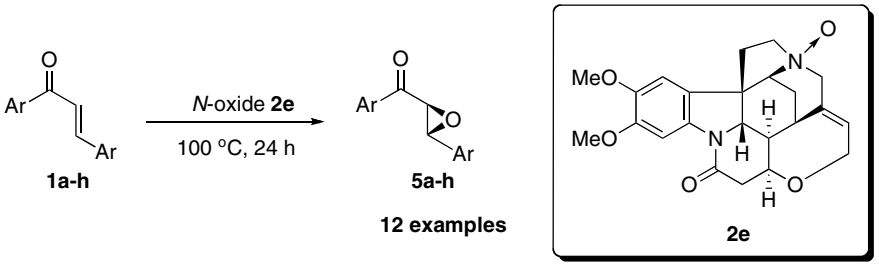


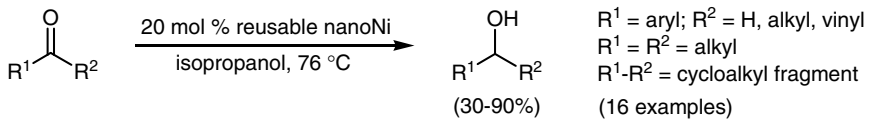


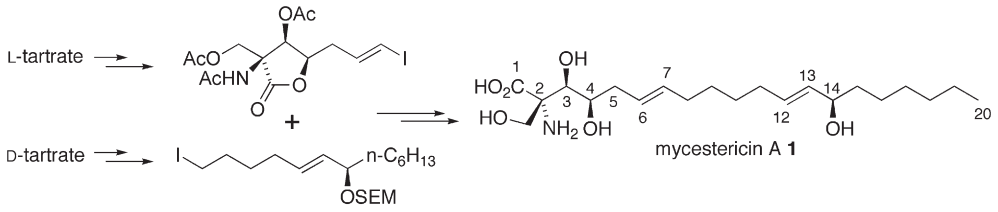




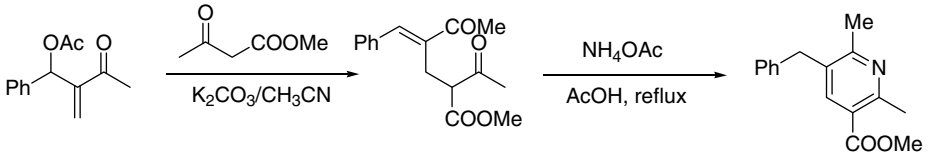


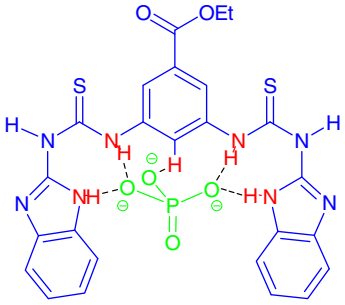


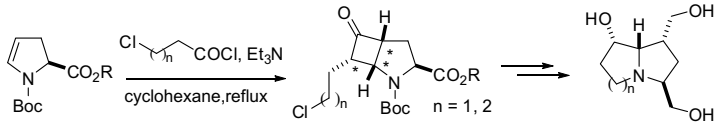


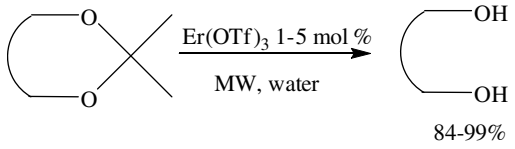


The first total synthesis of mycestericin A (**1**) starting from tartrates is described.

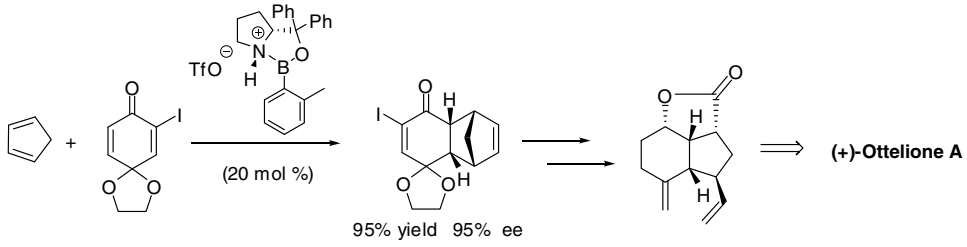


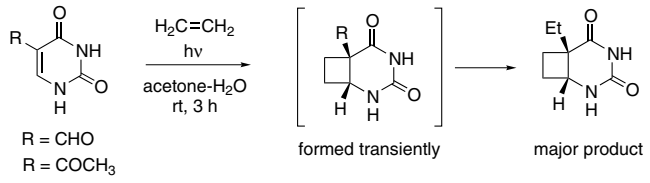


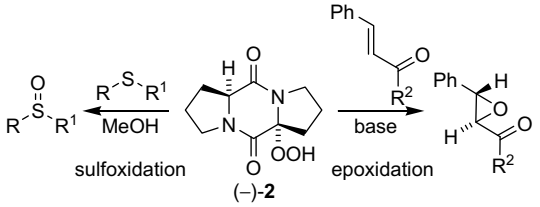


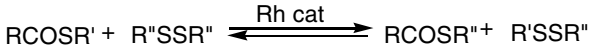


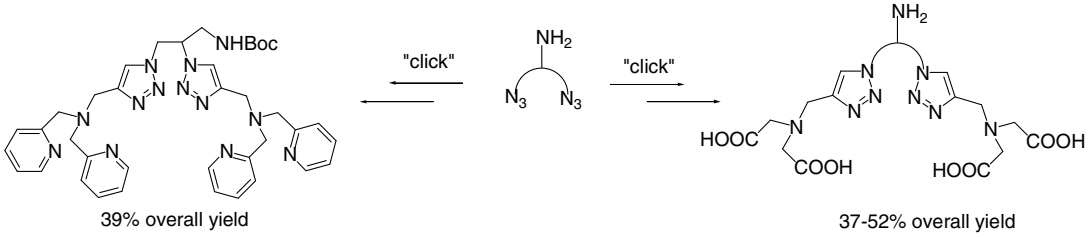
$Er(OTf)_3$ is proposed as a very gentle Lewis acid catalyst in a MW-assisted chemoselective method for the cleavage of isopropylidene acetals in awkward substrates by using pure water as a solvent.



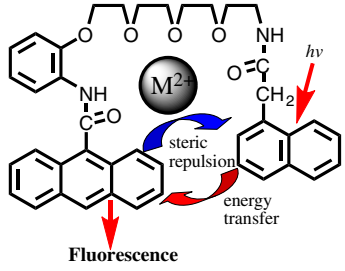


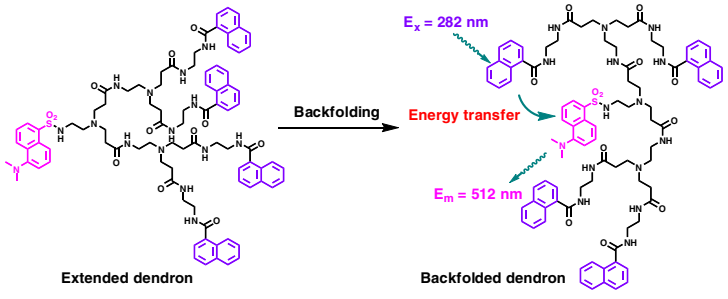


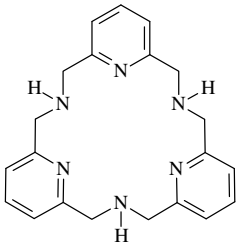




A facile and highly modular approach to the preparation of structurally diverse bifunctional ligand systems in good overall yield has been reported.







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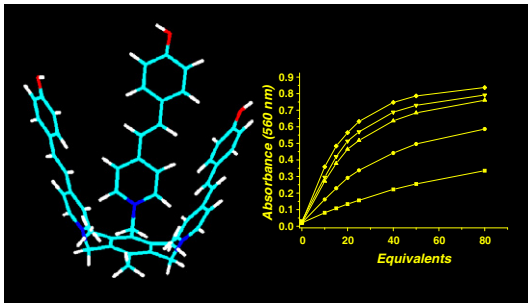
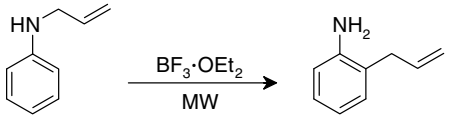
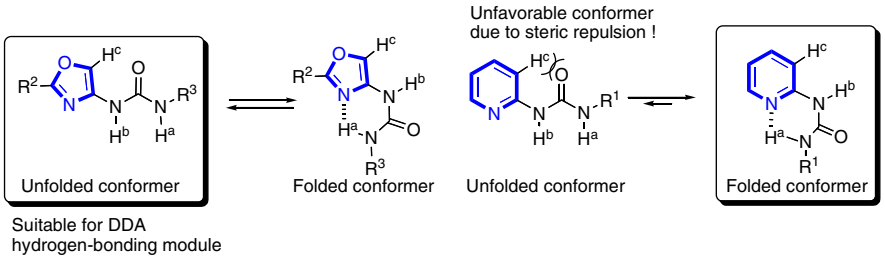
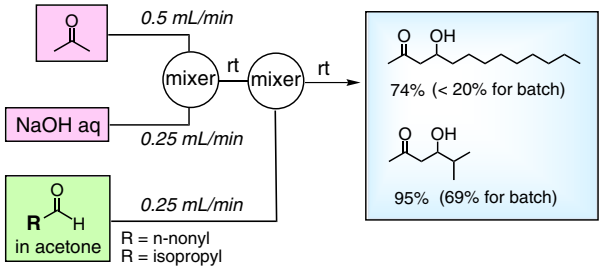
Colorimetric discrimination between certain ω-aminoacids was achieved by the use of a tripodal receptor functionalized with stilbazolium dyes.



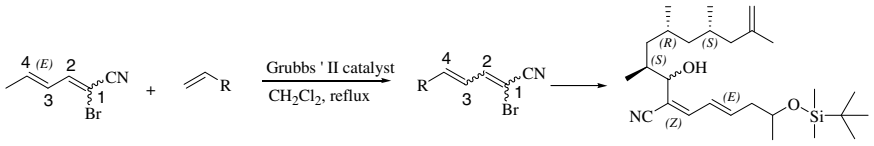


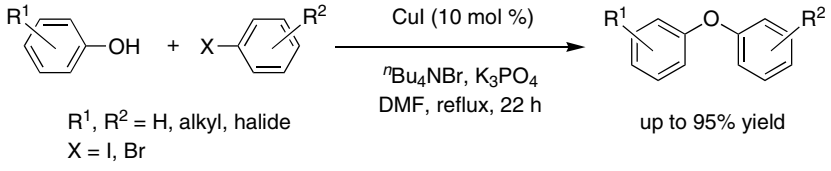
The aza-Cope rearrangement of *N*-allylanilines is described. The use of $BF_3{\cdot}OEt_2$ and microwave irradiation allows to run the transformation under mild conditions and in reaction times of minutes.

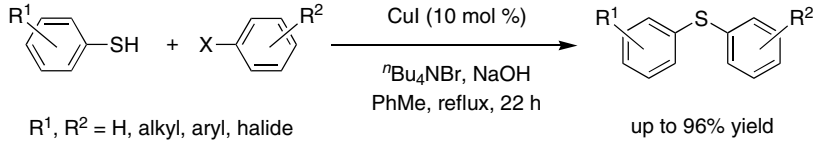


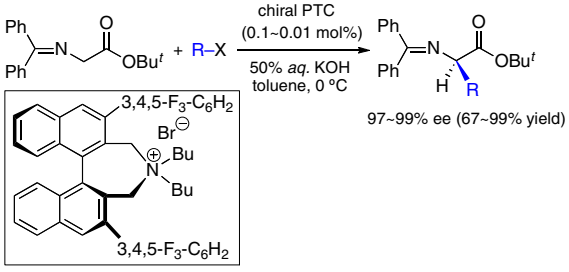


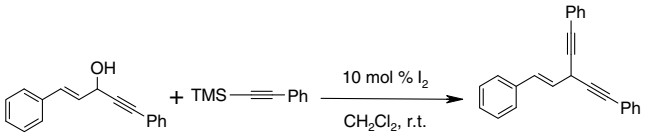
Efficient aldol condensation of acetone was achieved in a biphasic system by using the microfluidic apparatus.

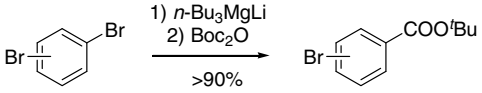












t-Butyl benzoates can be accessed from aromatic compounds bearing multiple halogen substituents via selective metal–halogen exchange with lithium tri-*n*-butylmagnesium ate complex followed by trapping with di-*t*-butyl dicarbonate.

*Corresponding author
Supplementary data available via ScienceDirect

COVER

The first total synthesis of mycestericin A, a potent immunosuppressant, is described. The hydrophilic moiety, a vinyl iodide possessing an α-substituted α-amino acid structure, was constructed from L-tartrate using Overman rearrangement as the key transformation. The hydrophobic part having an acid-labile allylic alcohol function was prepared from D-tartrate. The cross-coupling of these fragments under Negishi conditions, followed by deprotection, completed the total synthesis. *Tetrahedron Letters* **2008**, *49*, 1943–1947.

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®

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