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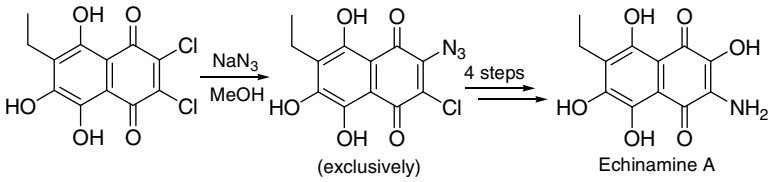
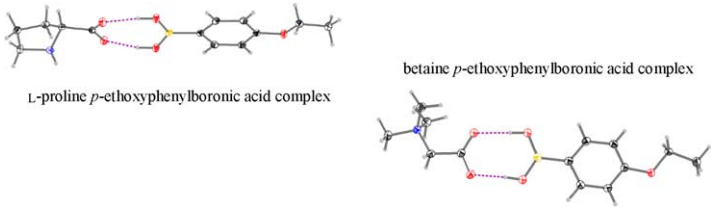
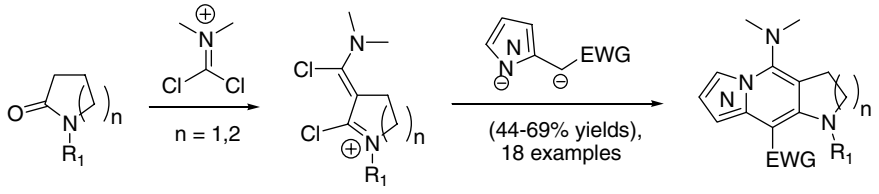
Contents

COMMUNICATIONS

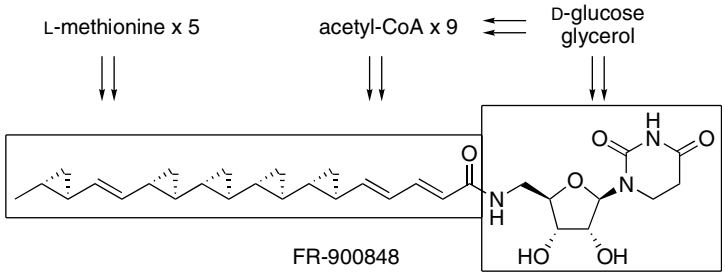


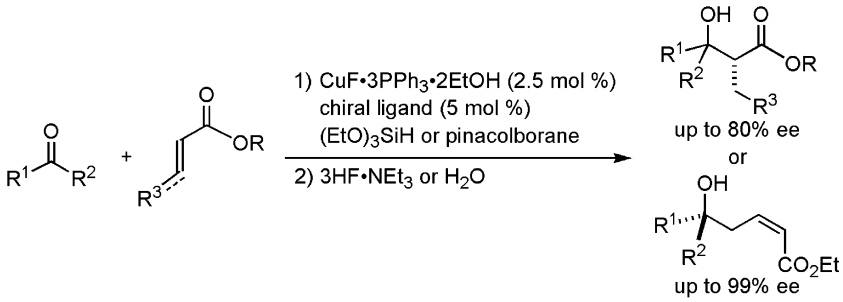


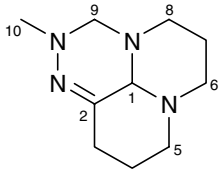
Strong heterodimeric interactions of phenylboronic acids with L-proline or betaine are evident in the solid state. The interaction energy is over 23 kcal/mol (at MP2/6-31+G*).



We have developed a practical procedure for the synthesis of polyfunctional azolo[1,5-*a*]pyridines via the reactive species generated in situ from *N*-substituted lactams and Viehe's salt. A short reaction sequence, good yields of title compounds (44–69%), as well as their ready isolation, and purification are the distinct advantages of the reported protocol.

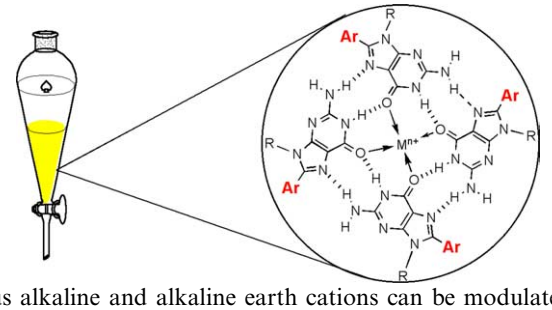




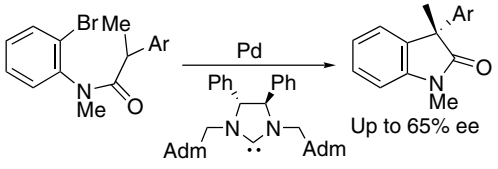


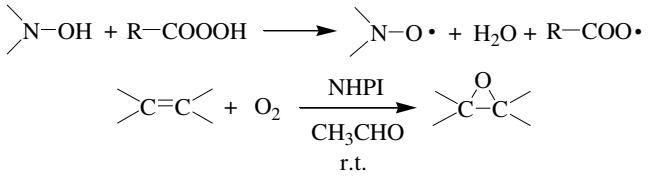
Cinachyramine (**1**)

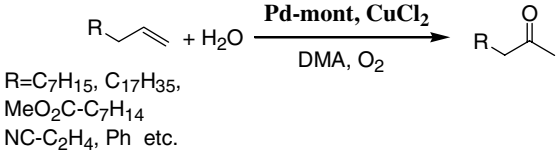
The trifluoroacetate salt of cinachyramine (**1**) was isolated from the Okinawan sponge *Cinachyrella* sp. This structure was determined by the spectroscopic analysis and the degradation under acidic conditions. Cinachyramine (**1**) is a novel alkaloid with an unprecedented cage system possessing a hydrazone and two aminals.

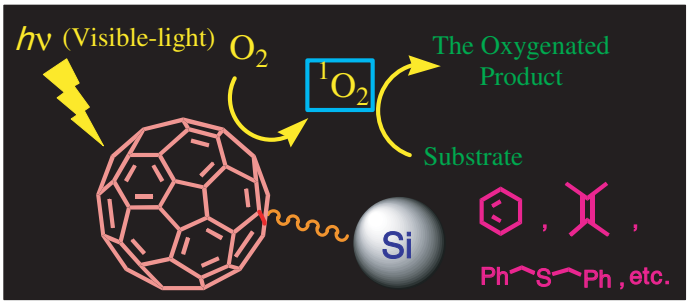


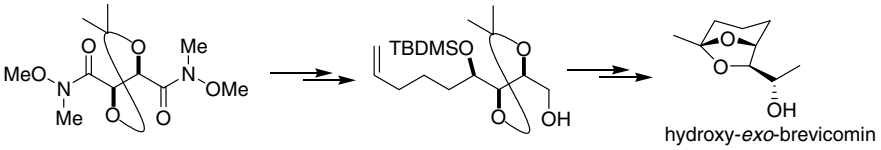
The selectivity of extraction of various alkaline and alkaline earth cations can be modulated by using self-assembled ionophores based on 8-phenyl-2′-deoxyguanosine analogues.

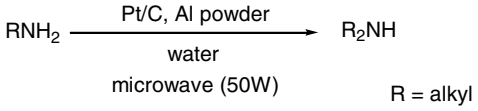


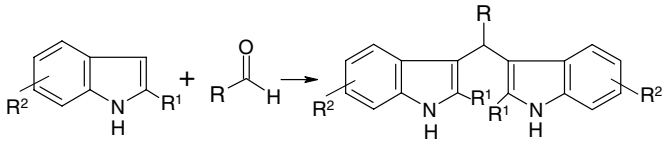


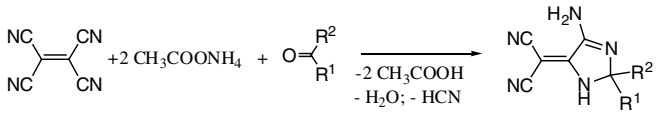


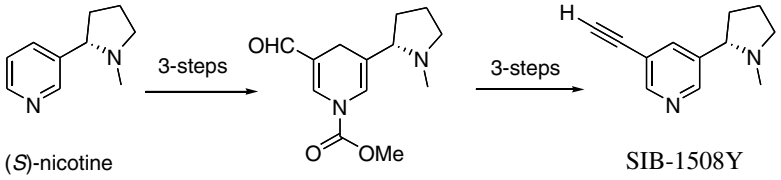


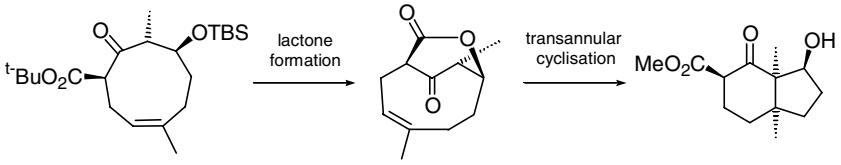


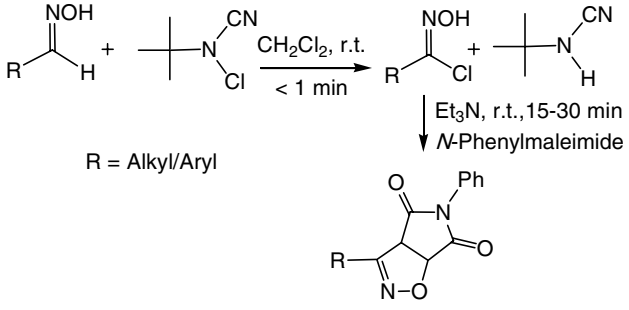


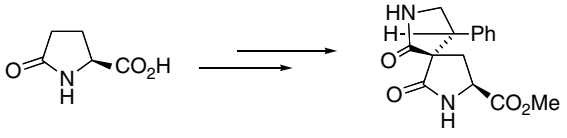




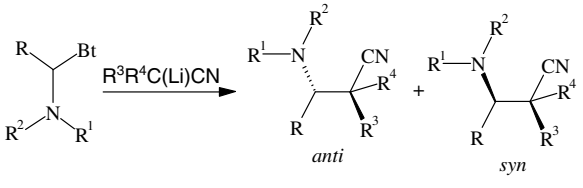


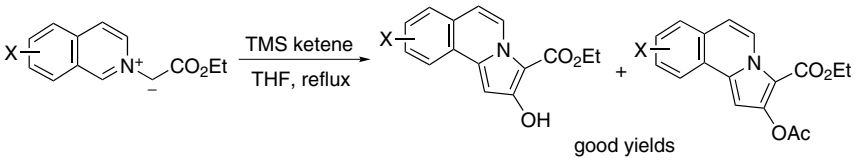


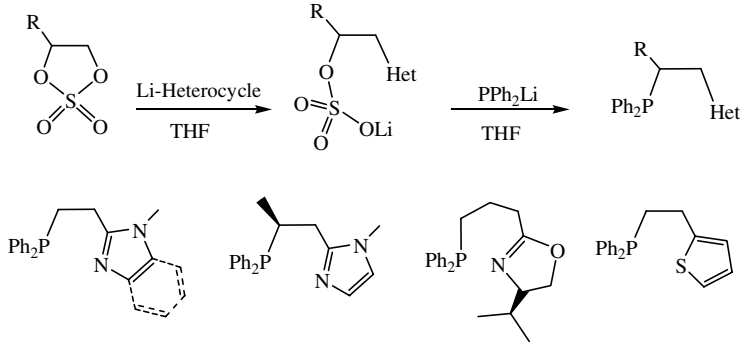


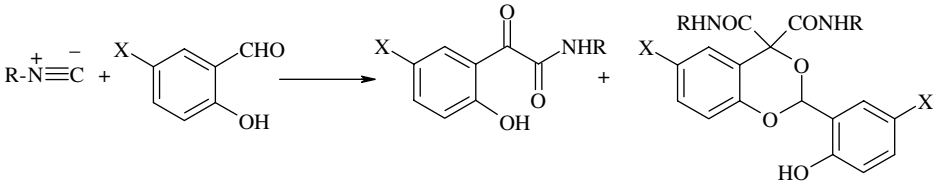


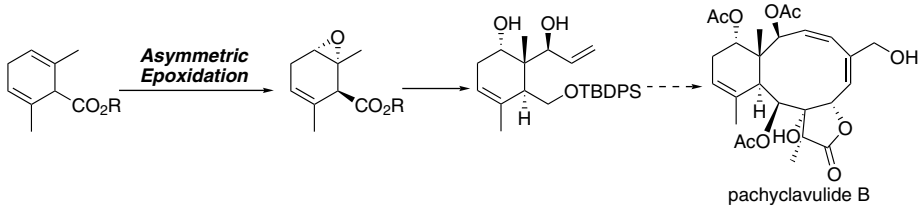
Elaboration of pyroglutamic acid by alkylation with halononitriles, reduction and lactamisation leads to stereocontrolled spirocylic bislactam systems.











Enantioselective preparation of the six-membered ring of pachyclavulide B, a briarane-type diterpenoid, was achieved.

OTHER CONTENTS

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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