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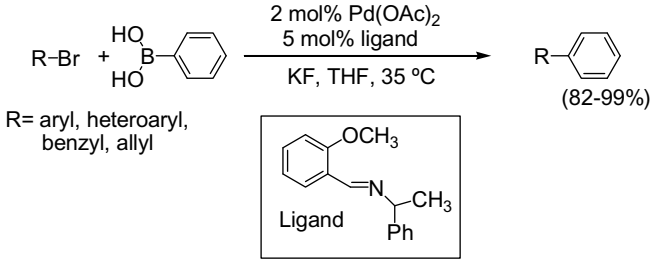
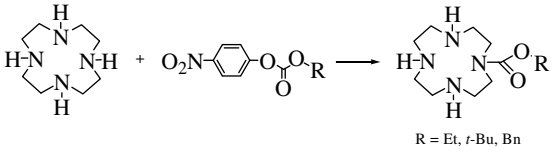
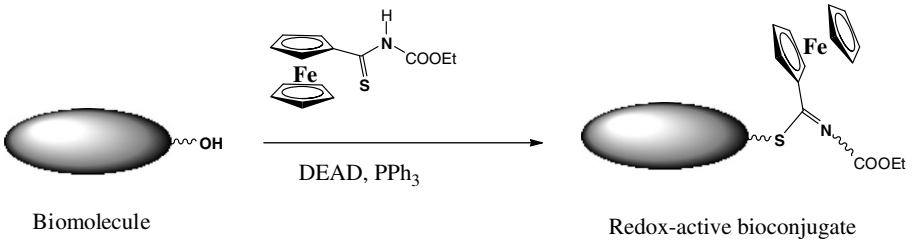
Contents

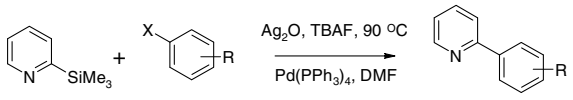
COMMUNICATIONS



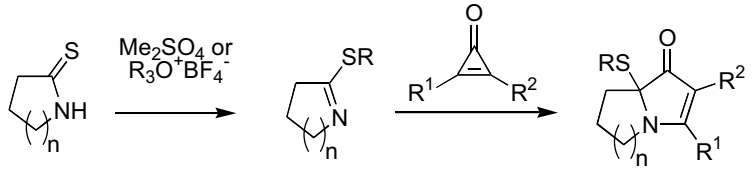


An efficient one-pot synthesis of 1-Cbz-cyclen and 1-Boc-cyclen synthons used in the preparation of a variety of bifunctional 1,4,7,10-tetraazacyclodoecane derivatives is described.



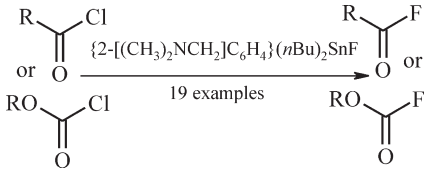


A procedure for the palladium catalysed cross-coupling of 2-trimethylsilylpyridine with aryl halides is described.

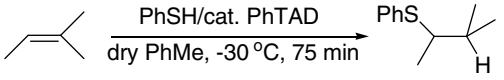


n = 1, 2 or 3; $R^1 = R^2$ = H or Ph; R^1 = H, R^2 = Et; R = Me, Et

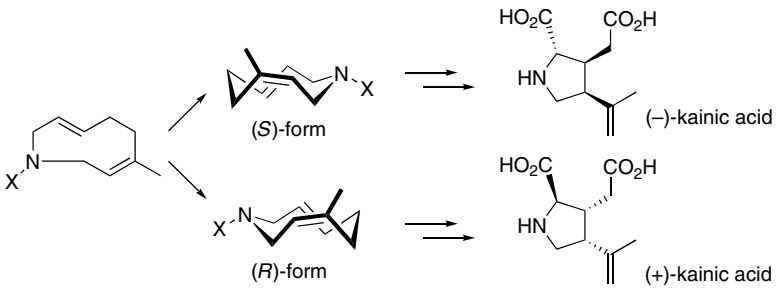
Cyclopropenones react with cyclic thioimidates to give indolizidine and pyrrolizidine heterocycles.

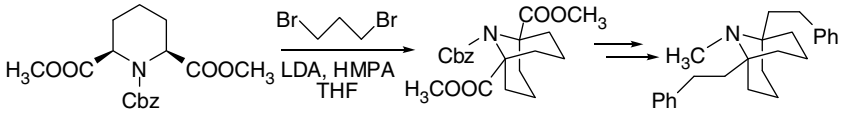


The essentially quantitative conversion of various chloroformates, acyl chlorides, methanesulfonyl chloride, 4,4′-dimethoxytrityl chloride and various phosgene precursors or derivatives to their fluorinated analogs using {2-[$(CH_3)_2NCH_2$]C_6H_4}(n-Bu)$_2$SnF is described.

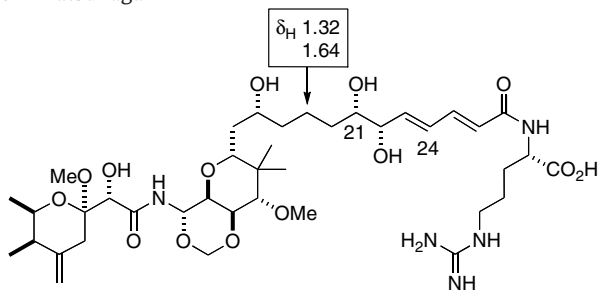


N-Phenyltriazolinedione is found to be an efficient initiator in the radical (*anti*-Markovnikov) addition of thiophenol to 2-methyl-2-butene. A second, minor, product (an alcohol, from oxygen addition) was also obtained, and a possible mechanistic scheme is proposed.

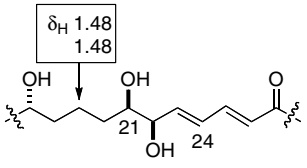




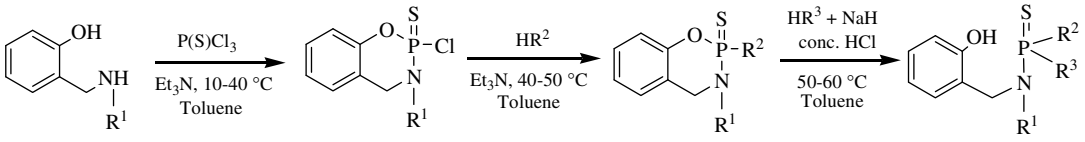
A general entry into symmetrical 1,5-disubstituted granatanines that involves an alkylative ring-closure on a 2,6-bis enolate piperidine intermediate is described.

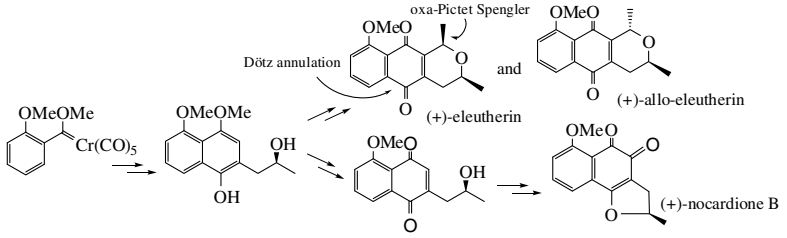


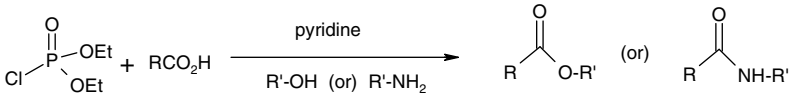
21,22-dihydroxyonnamide A_3

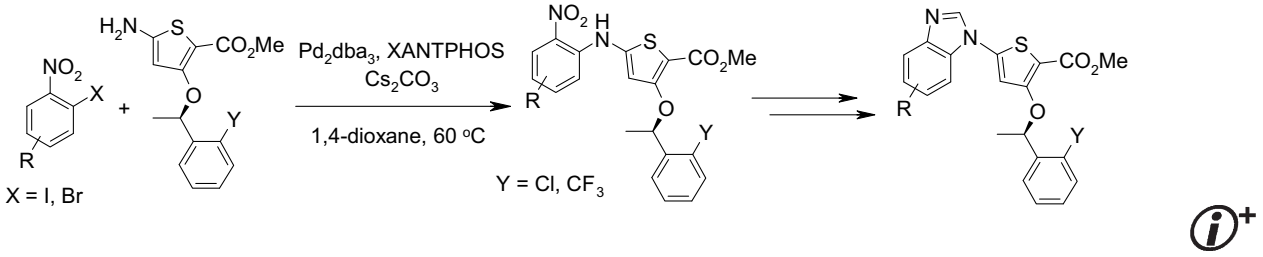


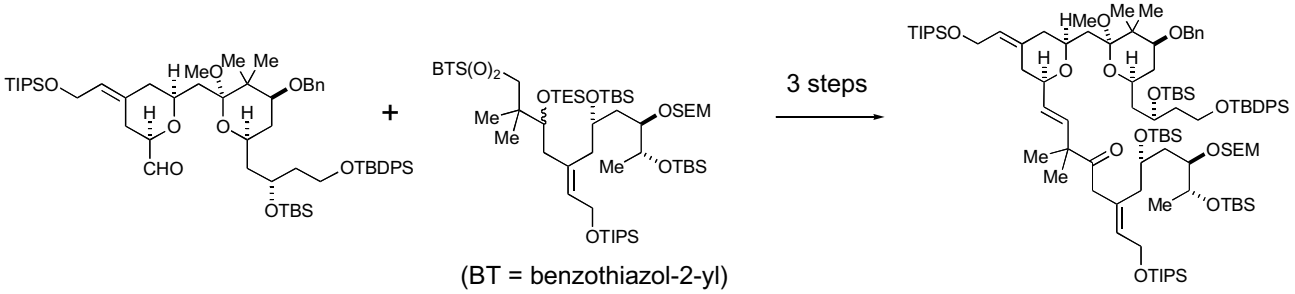
21,22-dihydroxyonnamide A_4



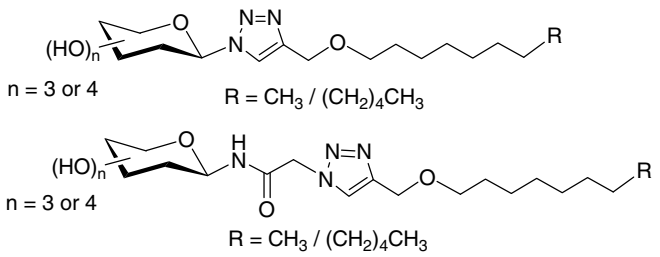


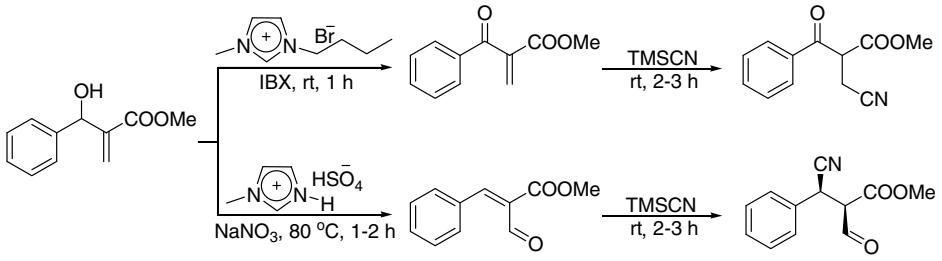


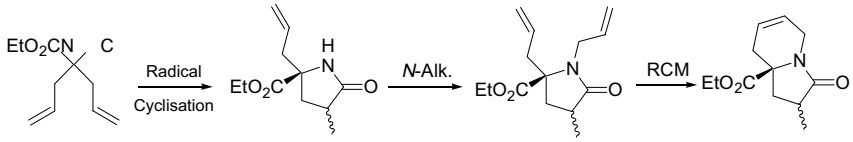




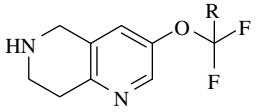
The modified Julia olefination is used to prepare advanced intermediates for convergent syntheses of bryostatins.





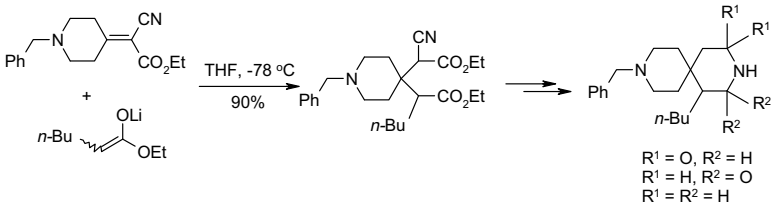


Functionalised indolizidines were synthesised starting from simple dialkylated alkenyl isocyanides via a sequential radical cyclisation/N-alkylation/ring closing metathesis strategy in good yields.



R = H, **2**
F, **3**

A concise synthesis of tetrahydro-naphthyridines bearing 3-difluoro (**2**) and 3-trifluoromethoxy (**3**) substituents is detailed.



R1 = O, R2 = H
R1 = H, R2 = O
R1 = R2 = H

*Corresponding author
Supplementary data available via ScienceDirect

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