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Special Issue

In Celebration of the 65th Birthday of Professor George Fleet

Guest editor:
Professor Antony Fairbanks

University of Canterbury, Private Bag 4800, Christchurch 8140, New Zealand

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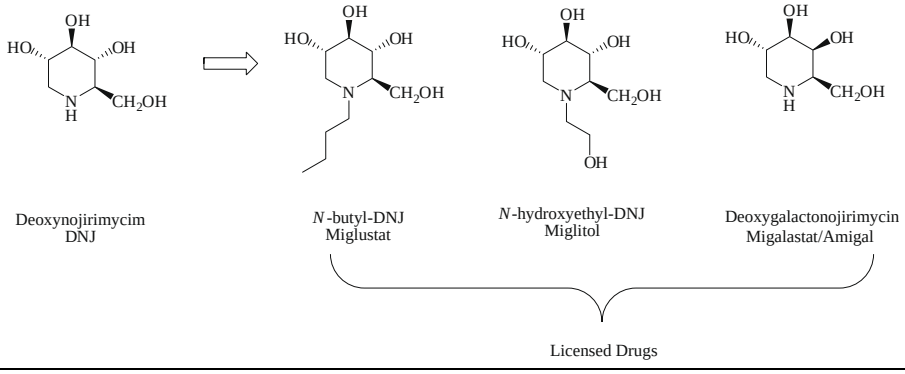
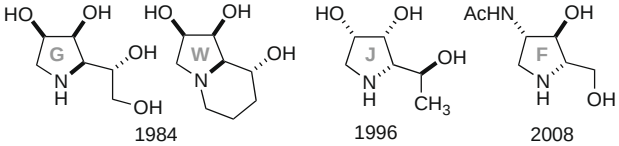
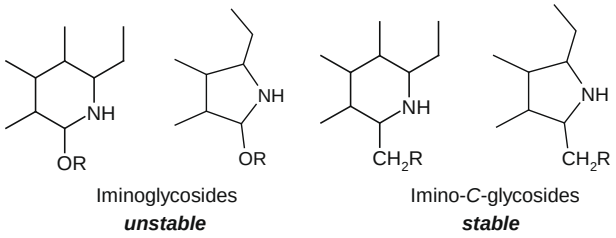
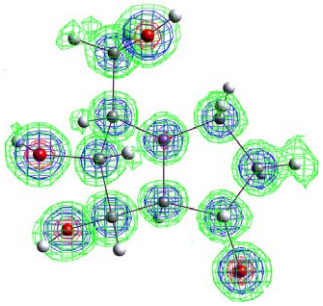
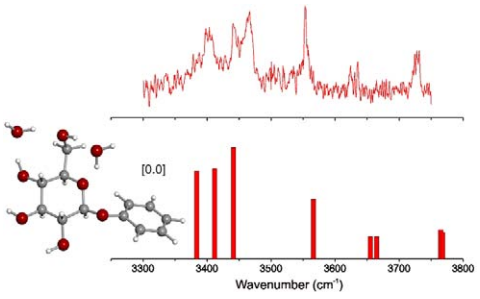






The purpose of this review is to provide an overview of the versatile strategies that have been developed to synthesize imino-C-glycosides as stable analogues of imino-glycosides and imino-glycoconjugates.





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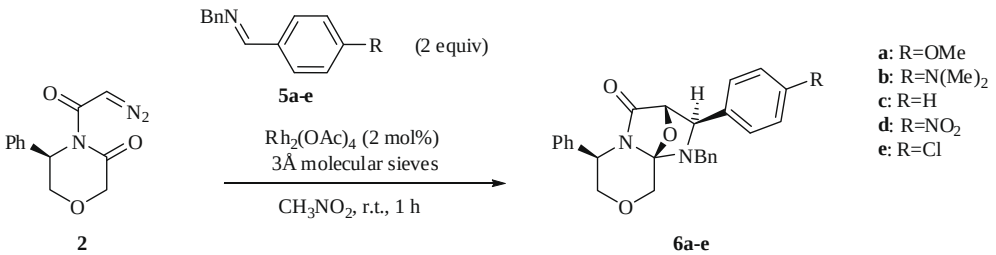

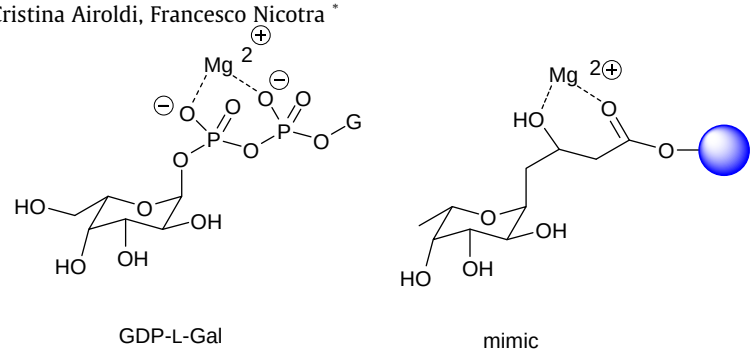

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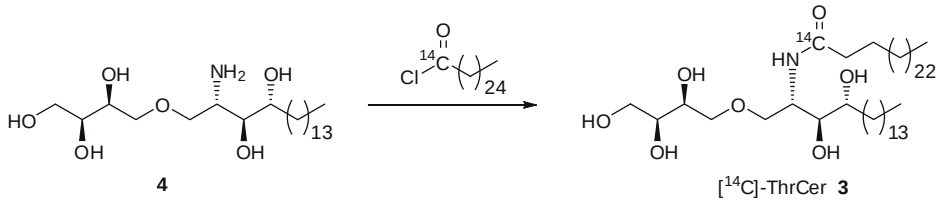
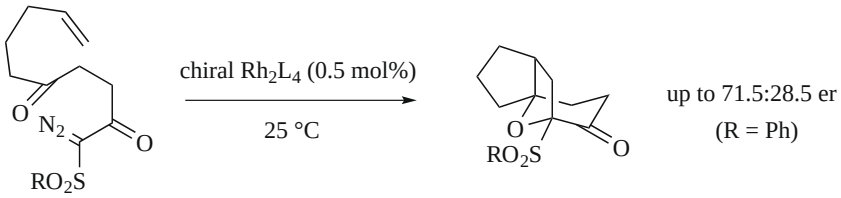
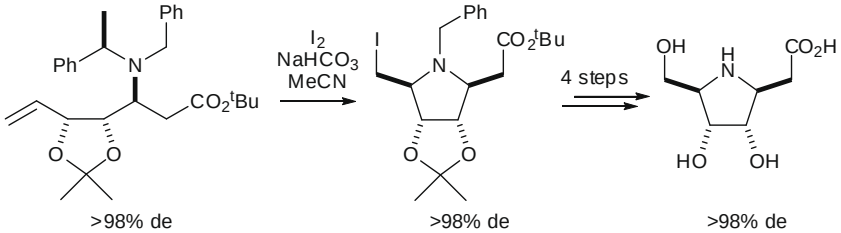
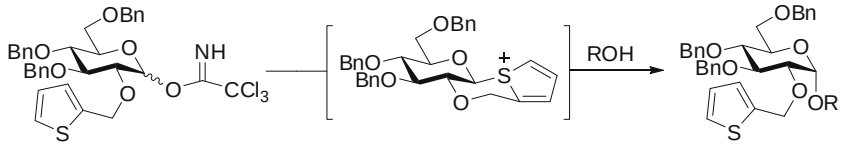
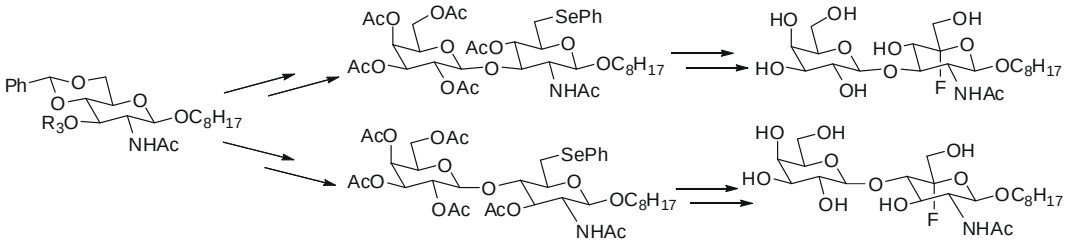


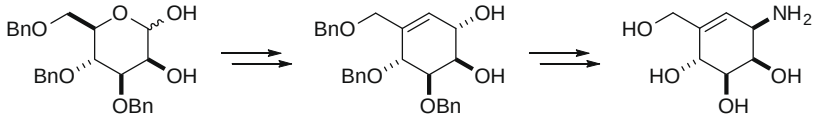


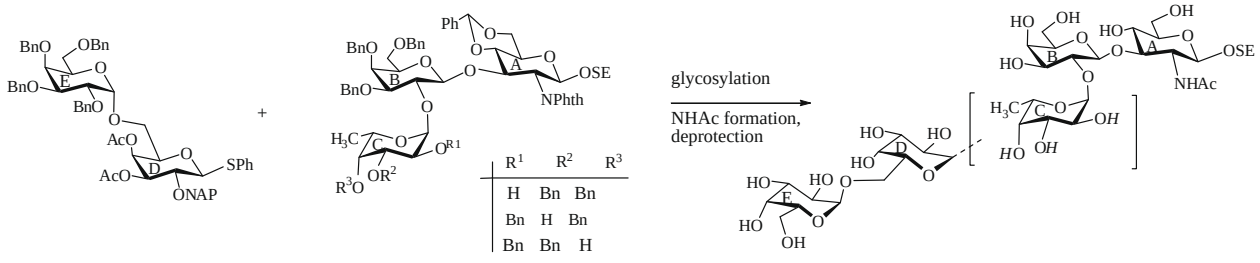


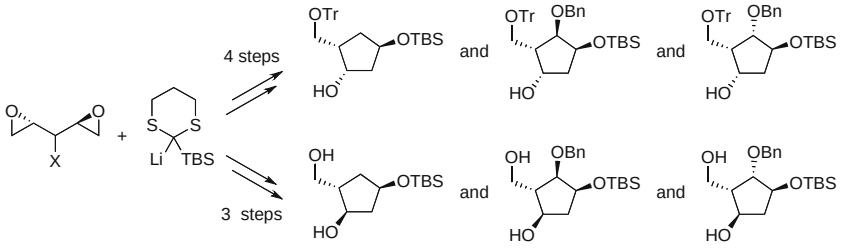
A novel ring-closing alkene iodoamination with concomitant N-debenzylation protocol provides a direct route for the asymmetric synthesis of polyhydroxylated pyrrolidines from homochiral β-amino esters.



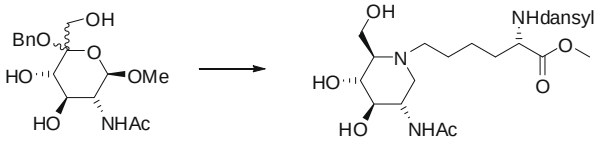


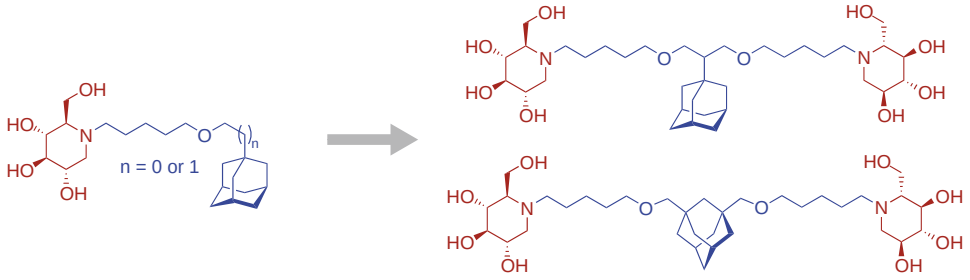


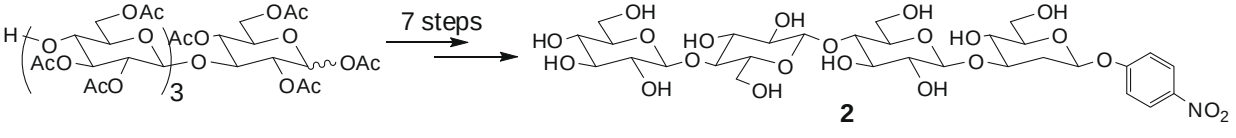


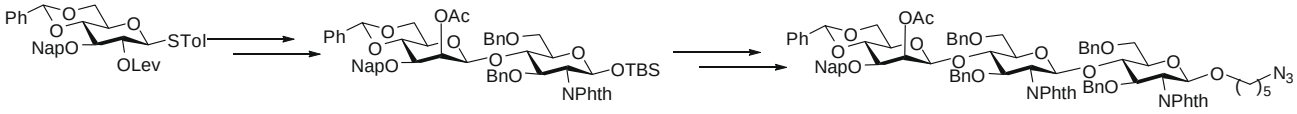


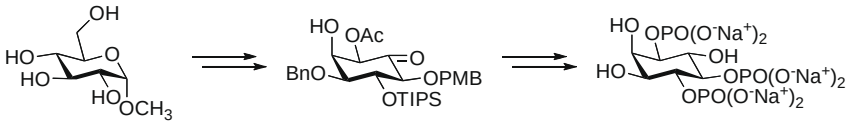
Enantiopure carbafuranose derivatives were synthesised via a linchpin carbacyclisation process starting from 1,4-bisepoxides. Both 2-deoxy and 2-deoxy-6-hydroxycarbafuranose derivatives were obtained, which were converted to suitably protected precursors for carbanucleoside synthesis.

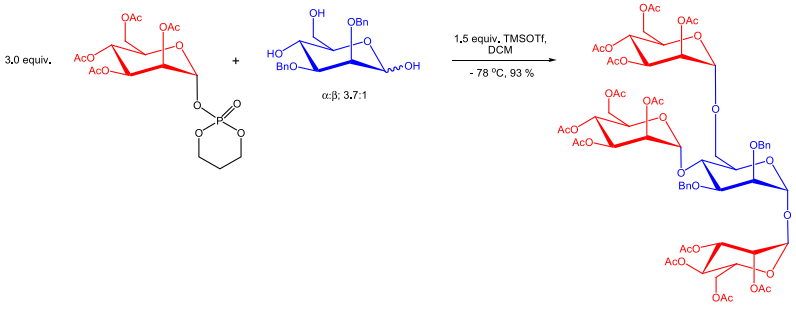


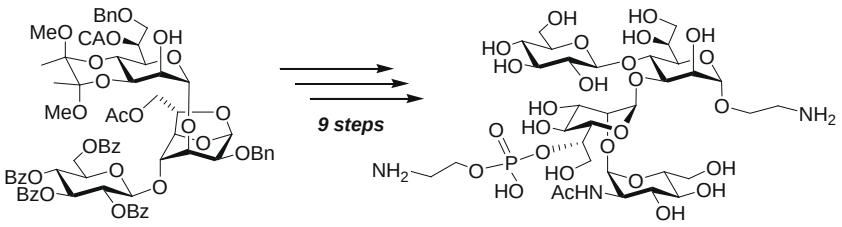


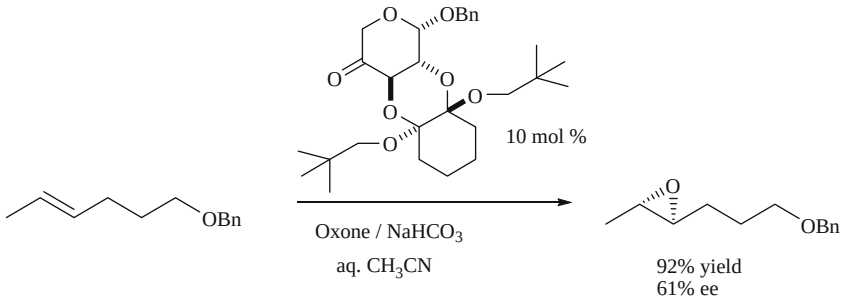


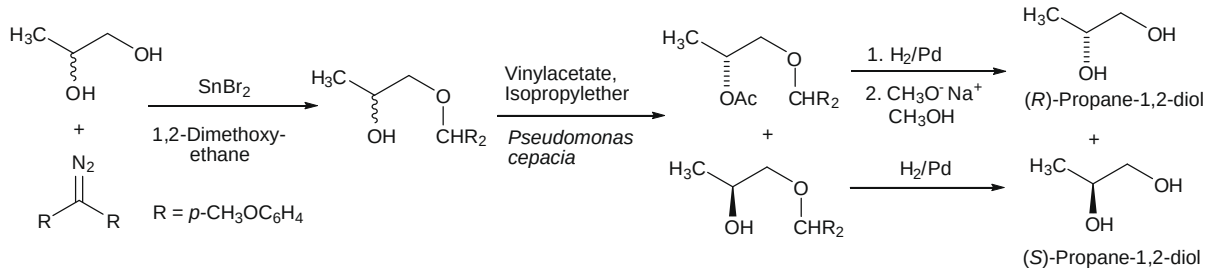


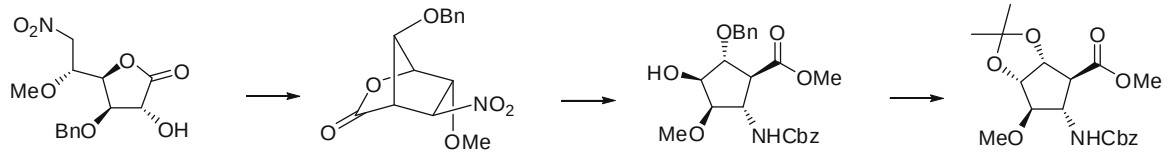


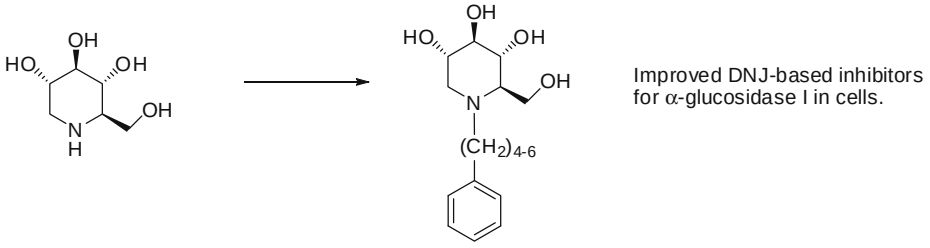


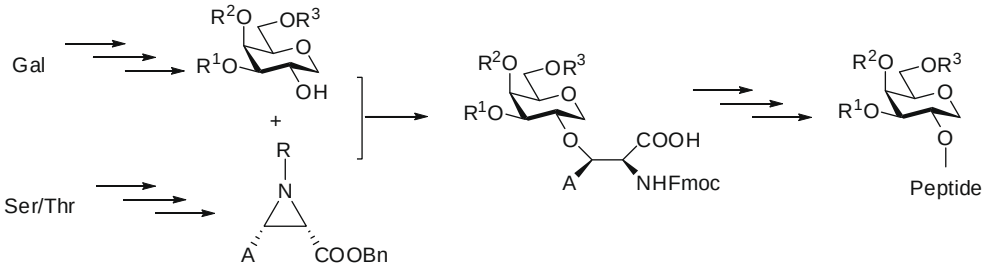


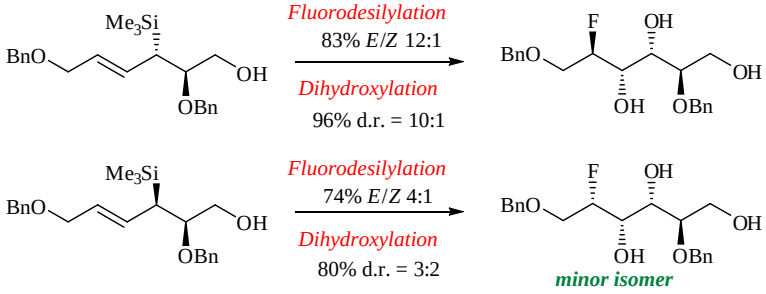


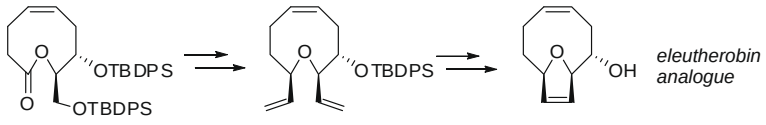




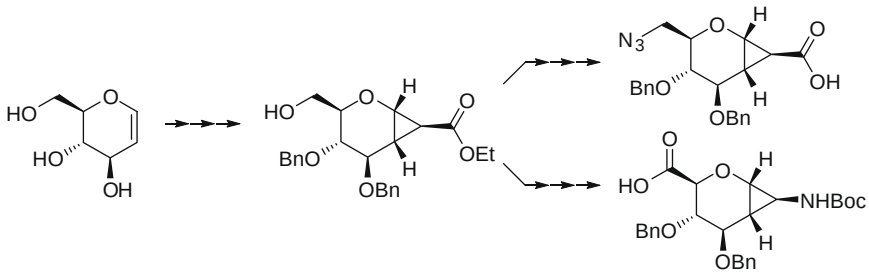


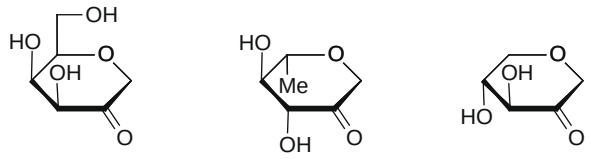




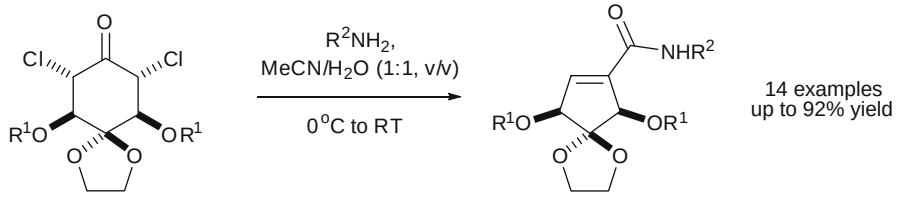


The enantioselective synthesis of a number of simplified analogues of the cytotoxic natural product eleutherobin is reported.

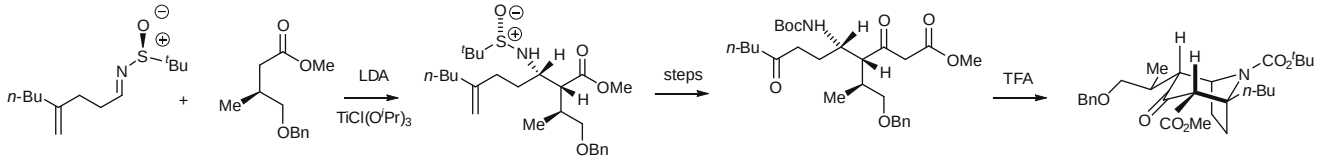




D-*tagato* L-*rhamnulo* D-*xylulo*



R^1 = H, TES R^1 = H, TES



A stereoselective Mannich reaction between a chiral ester and a chiral sulfinimine is used to prepare precursors of tropinones which may be useful in an asymmetric synthesis of stemofoline.

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*Corresponding author

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