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Tetrahedron:
Asymmetry

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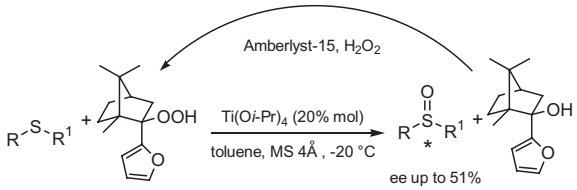
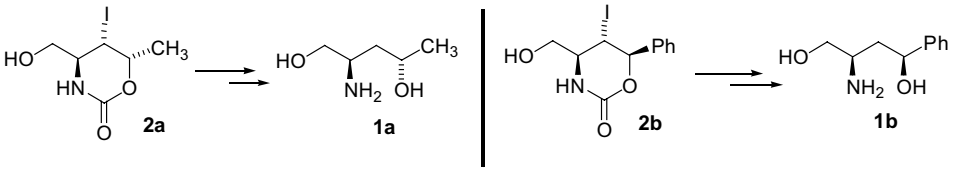
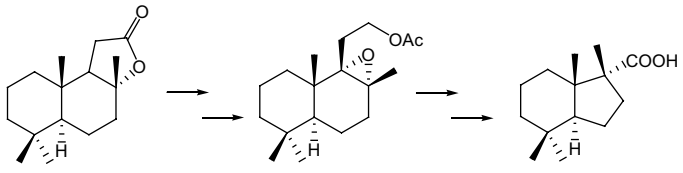
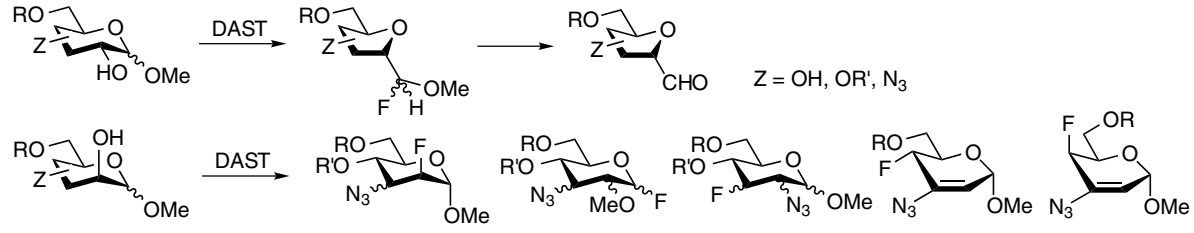
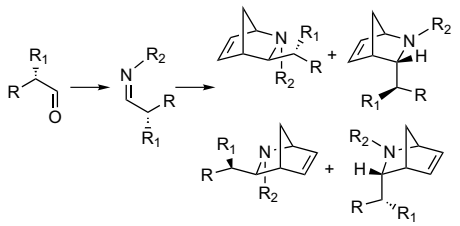




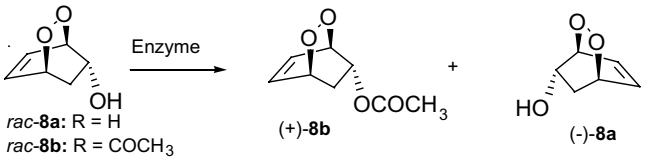


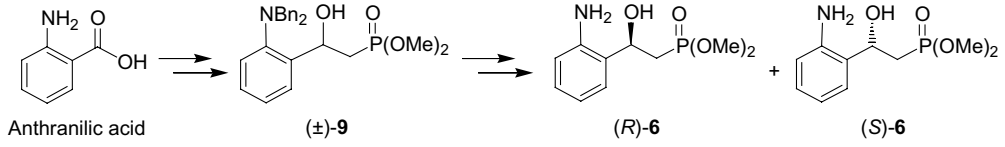
The first enantiospecific synthesis of marine nor-sesquiterpene austrodoric acid **1** has been achieved by ring contraction of the suitable homo-drimane epoxide **3** obtained from commercial (+)-sclareolide **4**. The absolute stereochemistry of natural austrodoric acid has now been established as reported by comparison with synthetic sample.

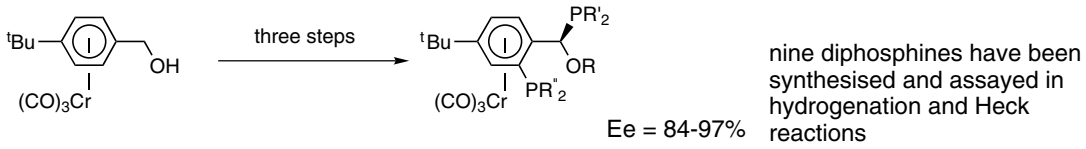


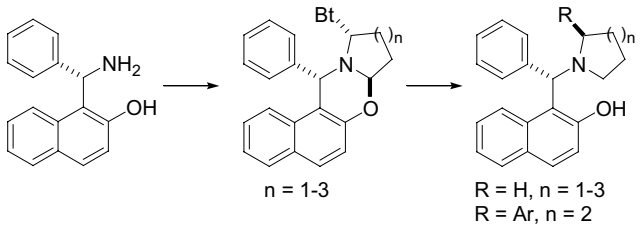


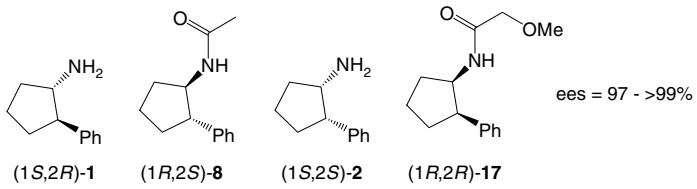
The preparation of nitrogen-containing bicycles by the aza-Diels–Alder reaction of nonactivated iminodienophiles and cyclopentadiene is described. The influence of different Lewis acids on the stereoselectivity of the aza-Diels–Alder reaction was also investigated.

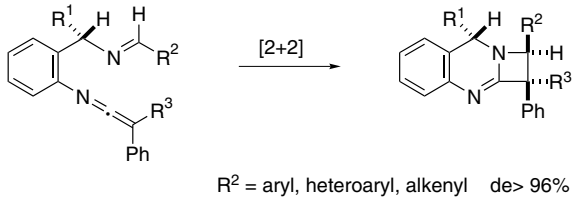


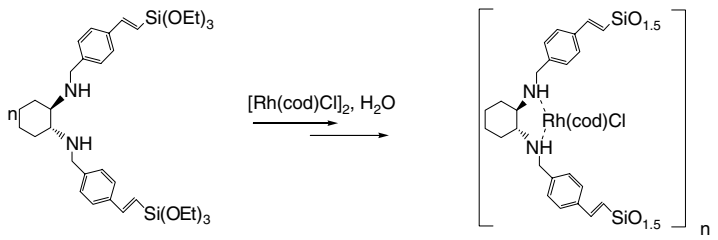


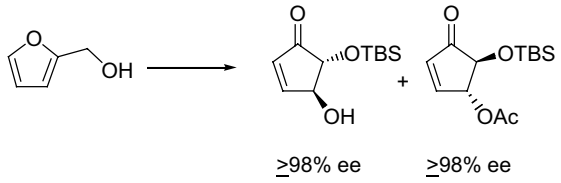


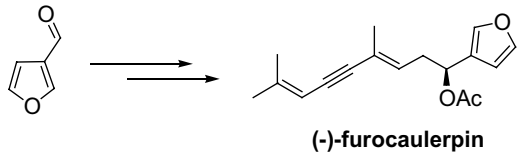


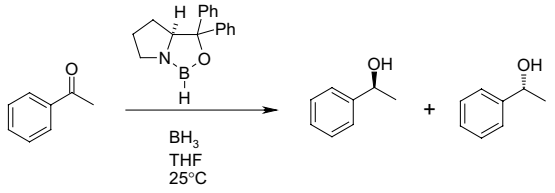


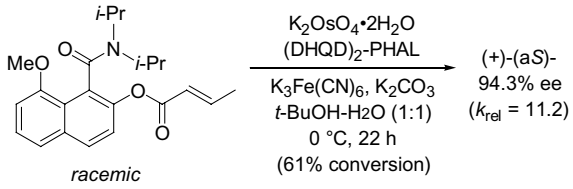


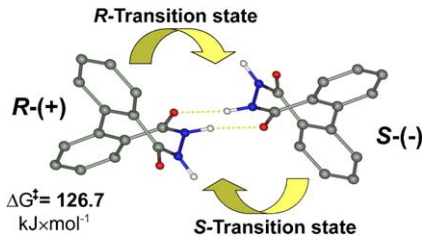


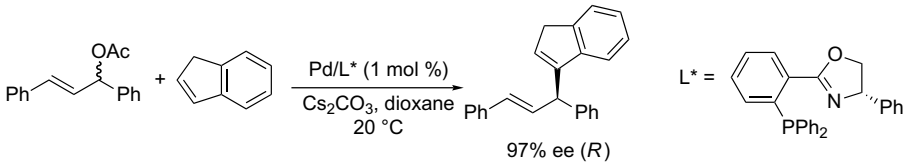


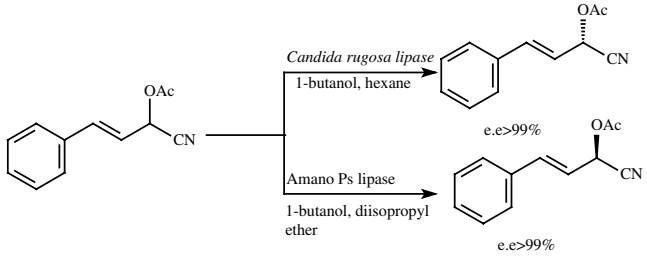


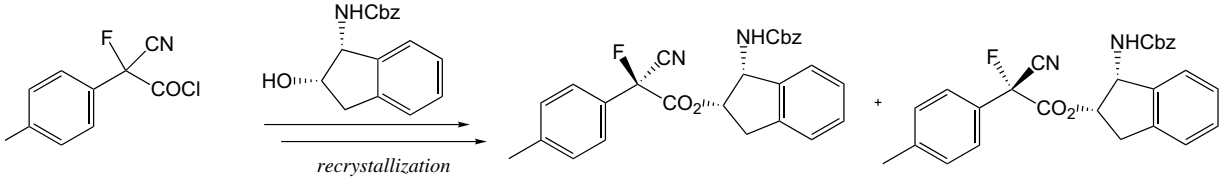


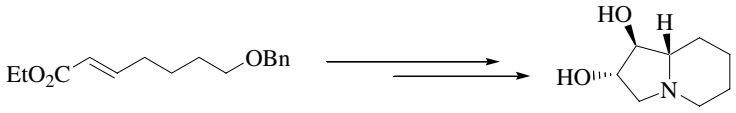












A stereoselective synthesis of (+)-lentiginosine is disclosed.

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*Corresponding author

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