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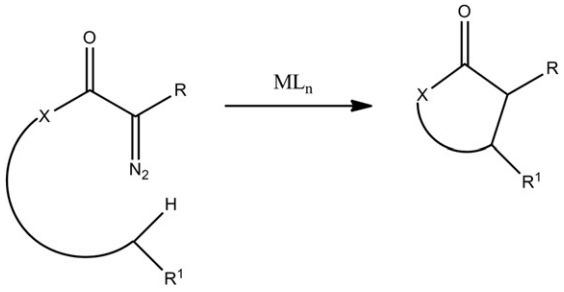
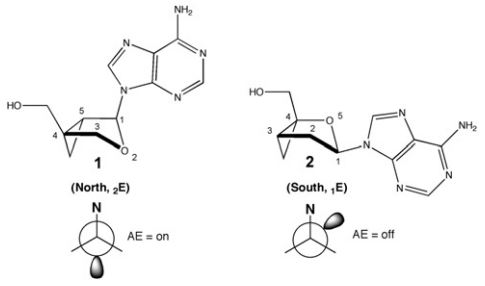
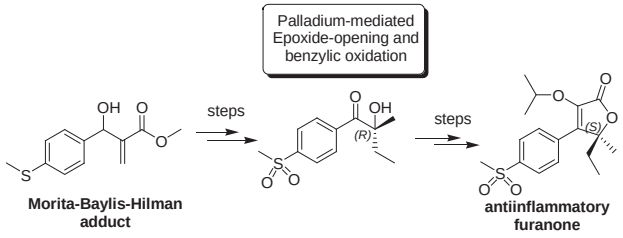
Contents

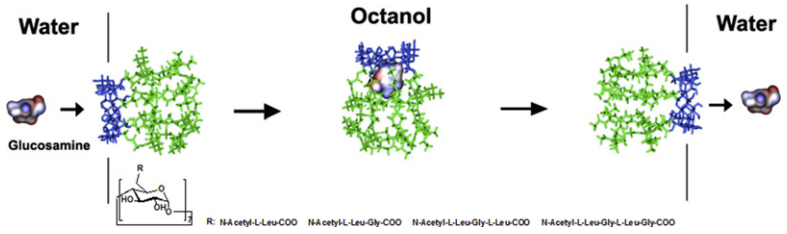
REPORT

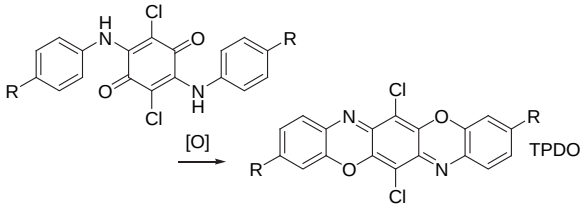


ARTICLES

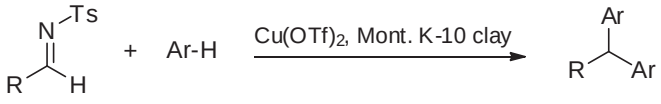


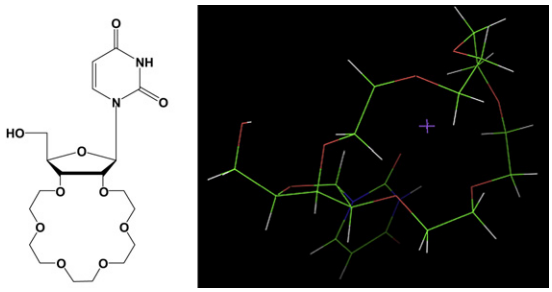


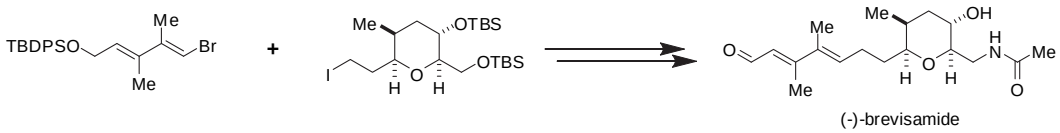


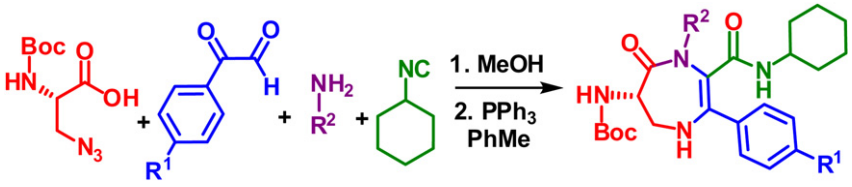


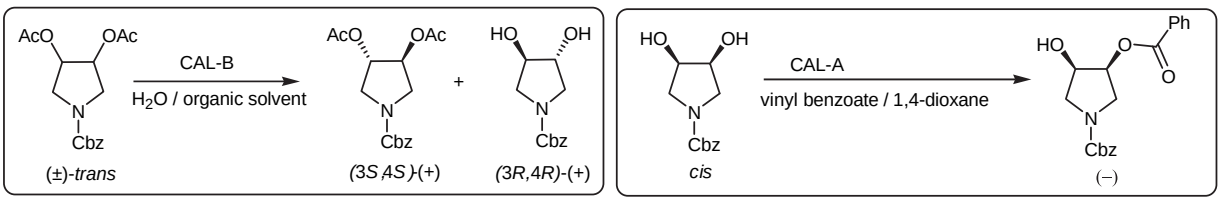
Oxidative cyclisation of dianilides give symmetrical TPDOs in concd H_2SO_4/persulfate under microwave conditions [50 W], which are much milder conditions than previously used.

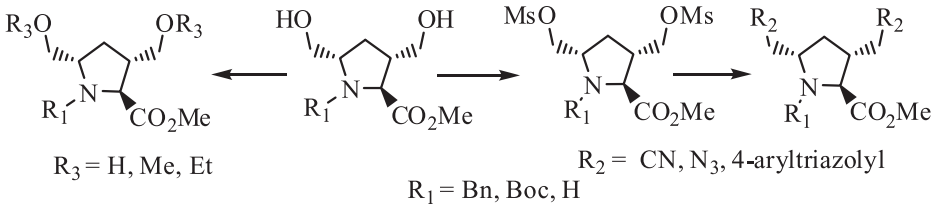


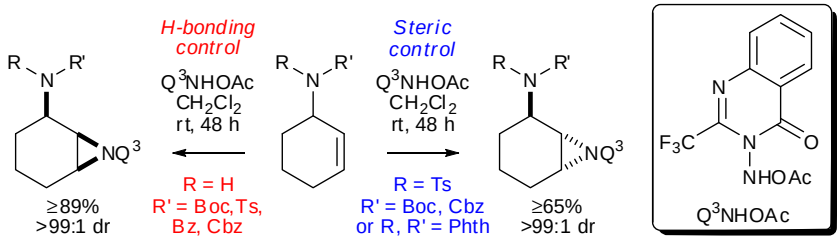


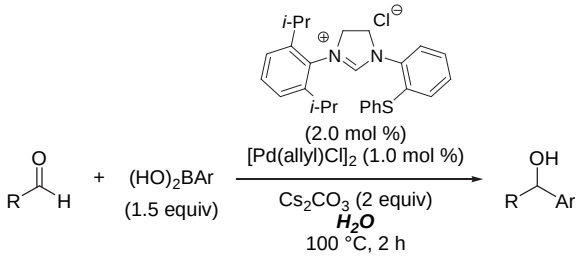


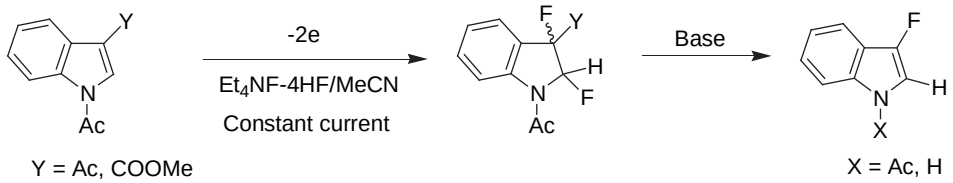


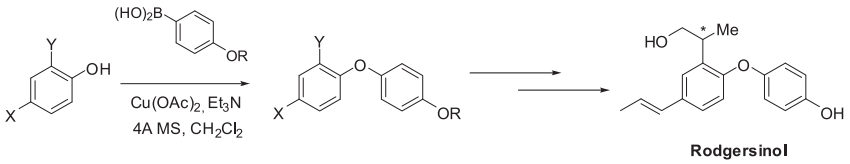


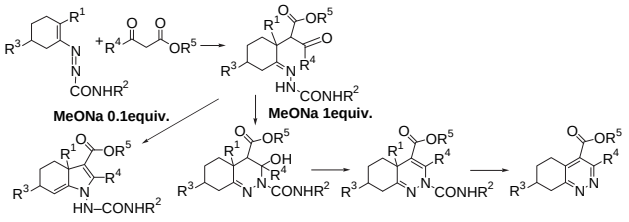


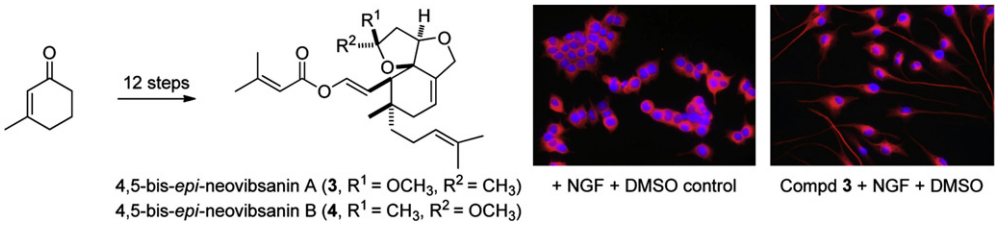


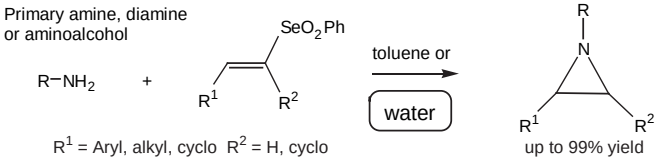


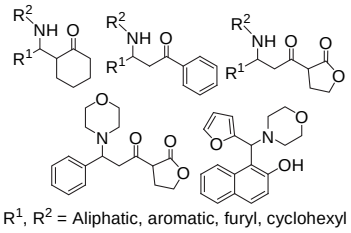


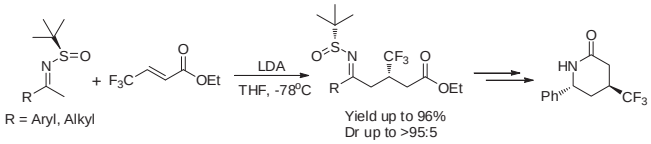


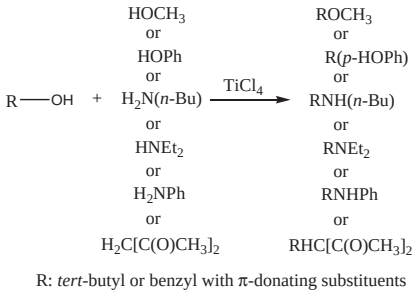


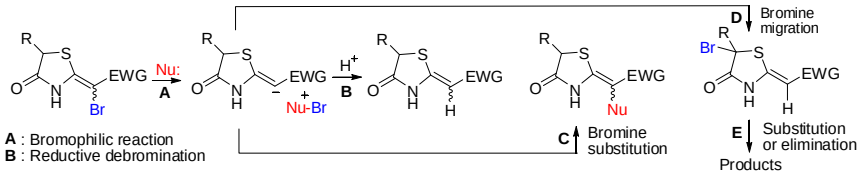


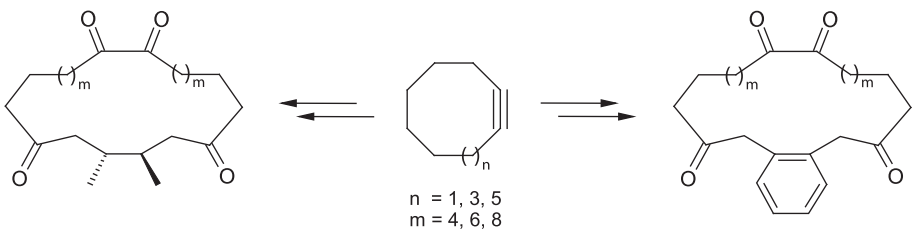


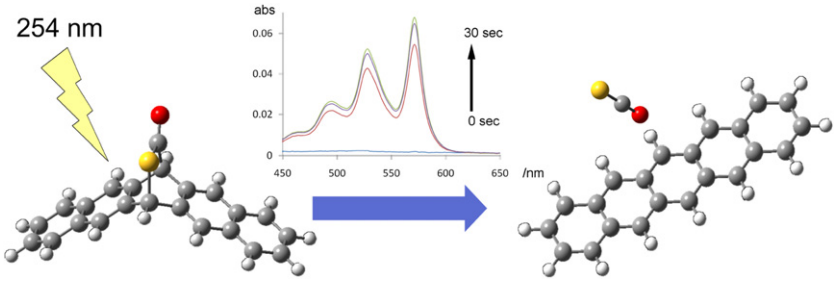


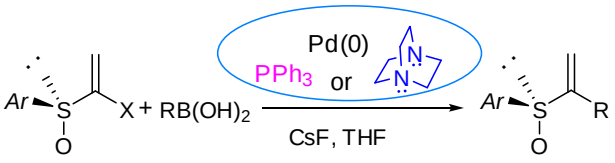


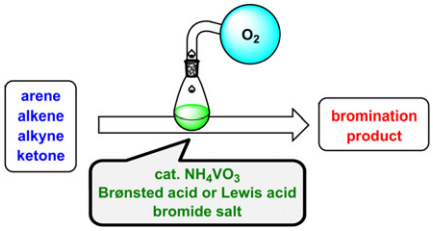


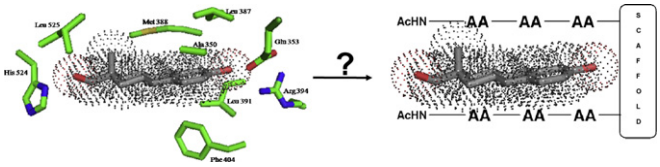


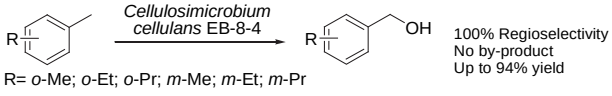


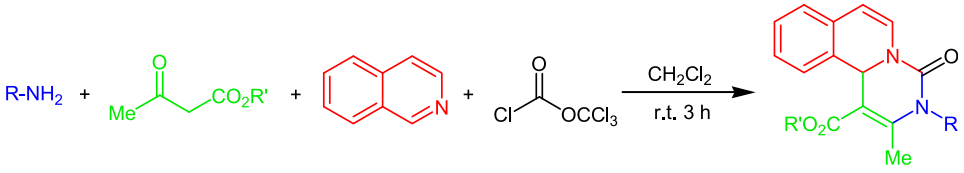




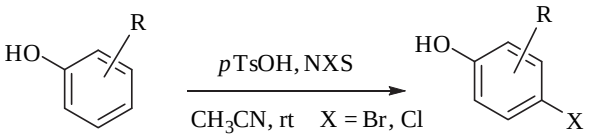






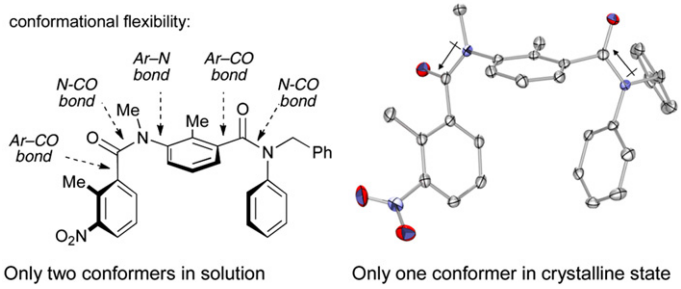


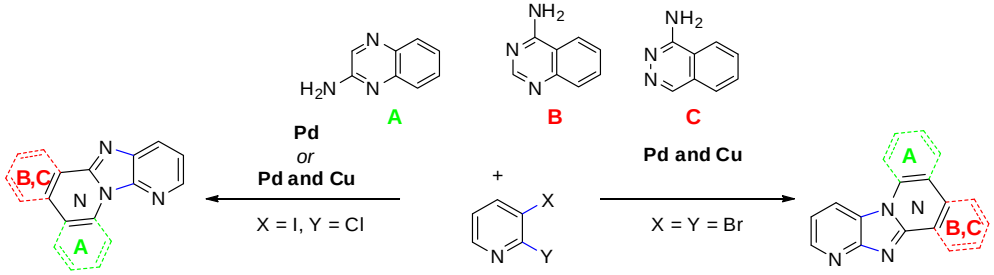
A facile and direct synthetic entry to pyrimido[6,1-*a*]isoquinolines via a one-pot, four-component reaction of primary amines and alkyl acetoacetates, isoquinoline and trichloromethylchloroformate (diphosgene) under mild conditions at ambient temperature is reported.

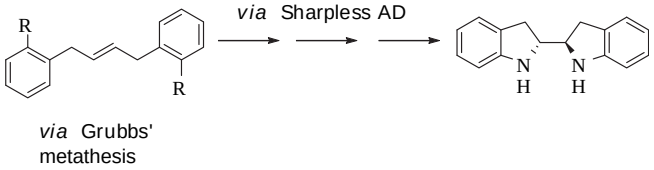


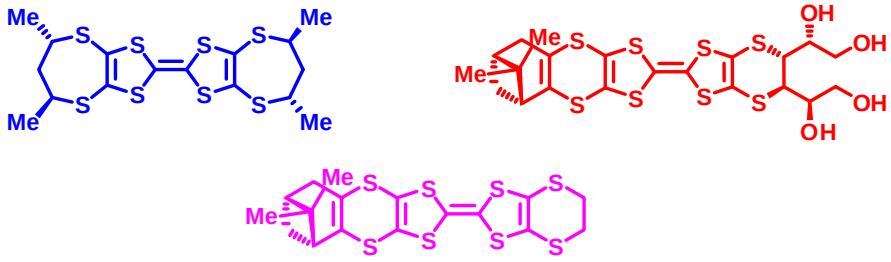
R = H, Br, Cl, CH_3, $COCH_3$, CO_2CH_3, OCH_3, C_4H_4, CHO

para-Bromination of phenol, promoted by *p*-toluenesulfonic acid, is achieved in excellent yields at room temperature with *N*-bromosuccinimide. *p*-Toluenesulfonic acid is also effective as a promoter of *para*-chlorination with *N*-chlorosuccinimide.

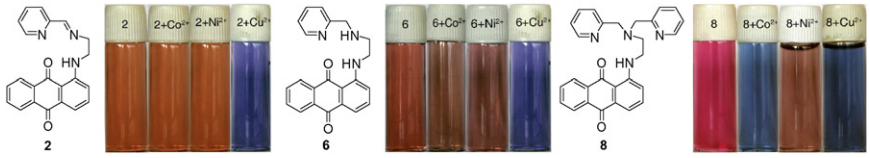


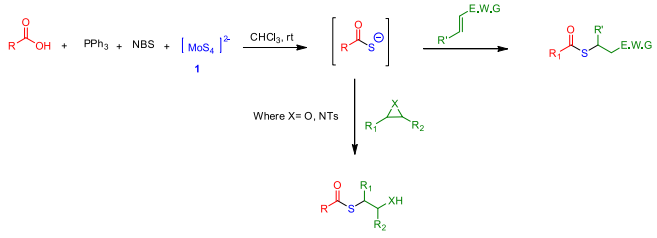


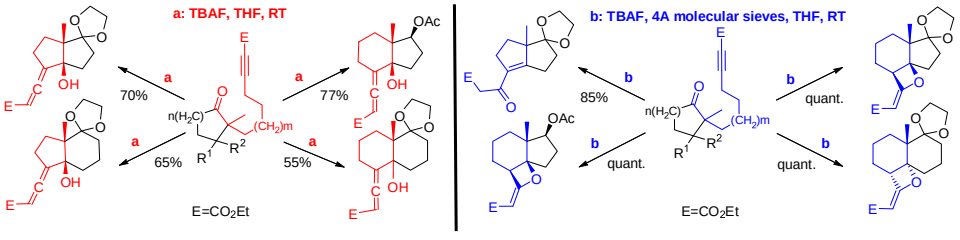




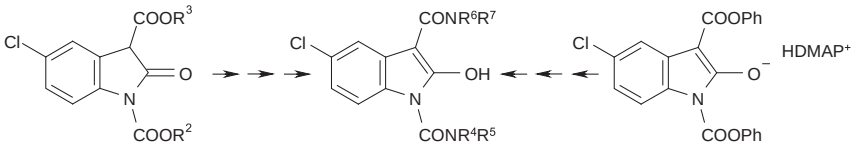
The syntheses of six new chiral donors related to BEDT-TTF are described, along with some of the structures of the donors, electocrystallisation products and TCNQ complexes.



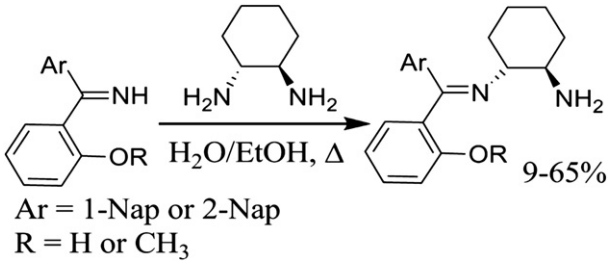




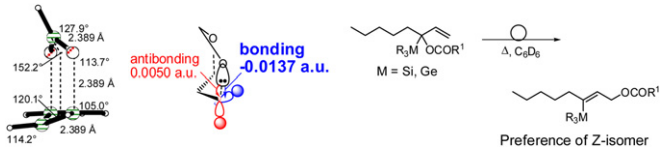
Starting from alkynyl esters tethered to 2-methyl-1,3-cycloalkanediones, TBAF and TBAF/4 Å molecular sieves promoted diastereoselective domino reactions to afford readily polyfunctionalized diquinanes, allenoates or oxetanes.

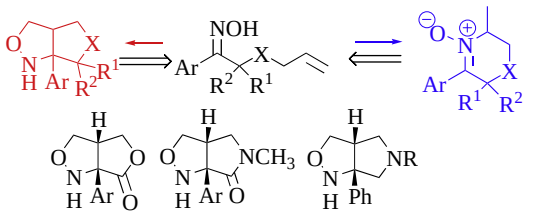


NR^4R^5: primary, secondary aliphatic or cyclic amino moiety
NR^6R^7: primary and secondary aliphatic or aromatic amino moiety

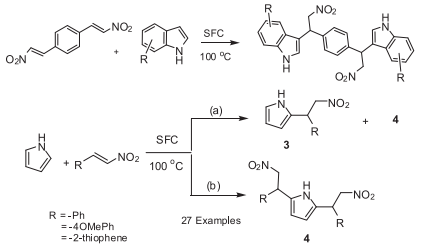


Water mediates access to hindered ketimine ligands incorporating one or two benzylidene moieties and 1,2-diaminocyclohexane.





The nature of the aryl group, oxime geometry, and the structure of the linker between the oxime and the alkene influence the reactivity of *C*-aryl δ-alkenyl oximes.



Catalyst free conjugate addition of reactive hetero aromatics (pyrrole and indoles) to nitro alkenes under solvent free condition is described. This method provides several advantages, such as operational simplicity, solvent-free conditions and good yields of products. Also it is environmentally friendly and more cost effective alternative to existing protocols.

*Corresponding author
Supplementary data available via ScienceDirect

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