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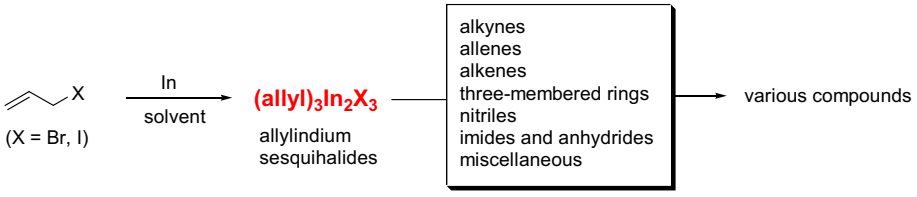
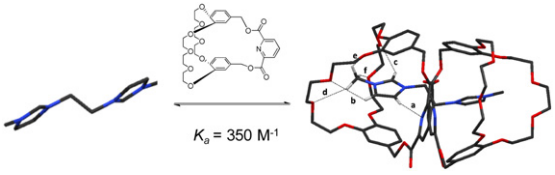
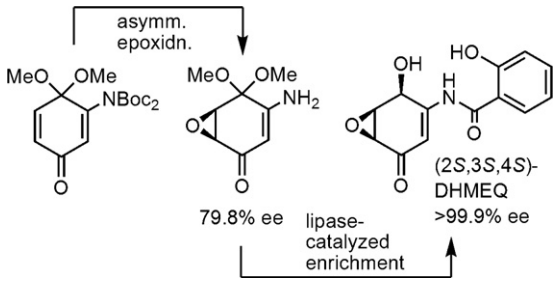
Contents

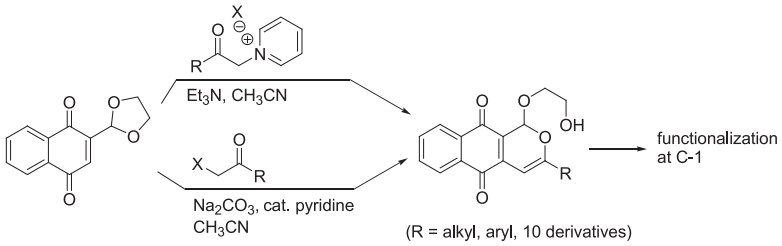
REPORT

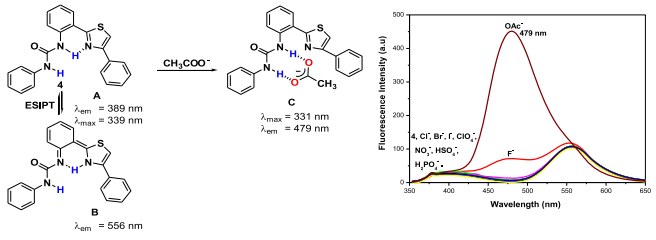


ARTICLES

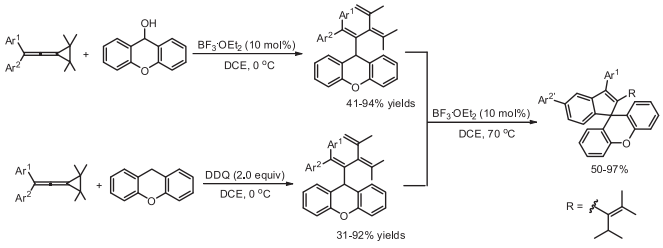




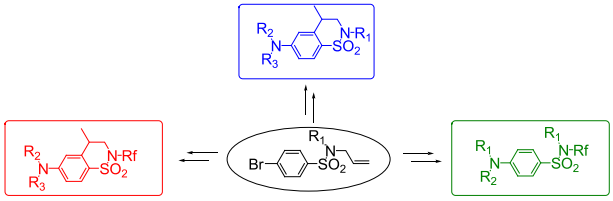


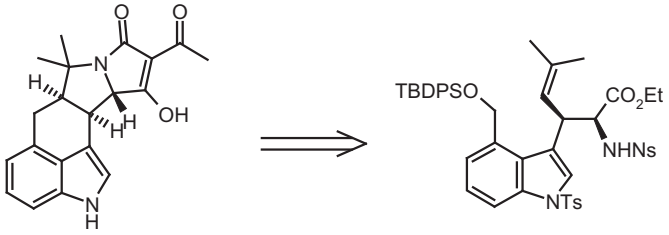


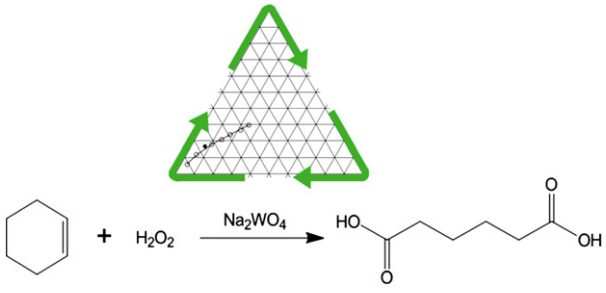
Novel fluorogenic sensors based on urea derivative of 2-(2′-aminophenyl)-4-phenylthiazole were prepared and used for recognition of anions with similar basicity and surface charge density. Chemosensor **4** was found to be highly selective to acetate ion over other anions. The mechanism of fluorescence was based on the anion-induced inhibition of excited-state intramolecular proton transfer (ESIPT).

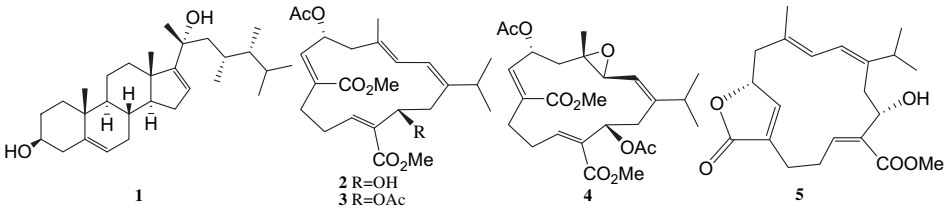


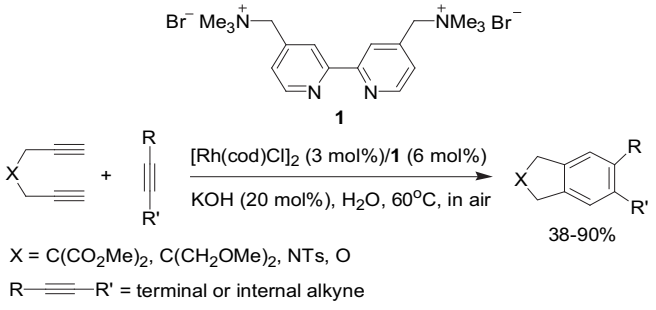
Vinylidenecyclopropanes undergo ring-opening reactions with xanthydrol in the presence of $BF_3 \cdot OEt_2$ or with xanthene in the presence of DDQ at 0 °C in 1,2-dichloroethane to give the corresponding conjugate triene derivatives in moderate to good yields and the further transformation of these trienes have been disclosed at the same time.

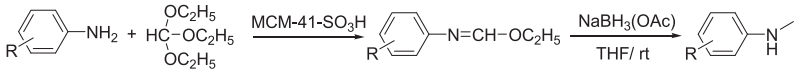


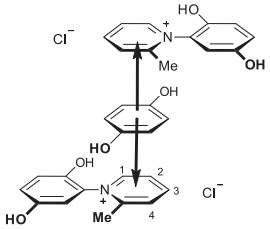


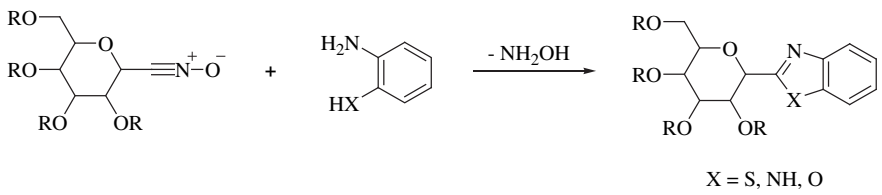


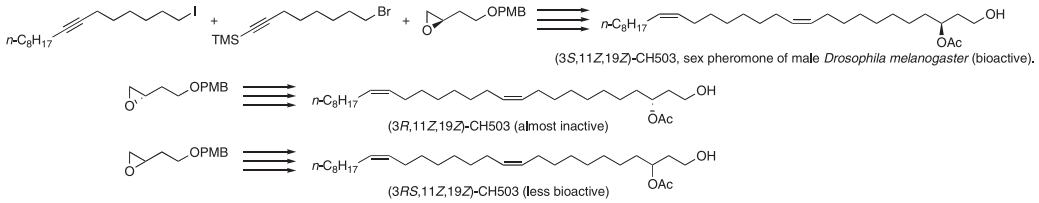


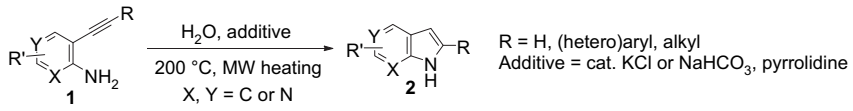




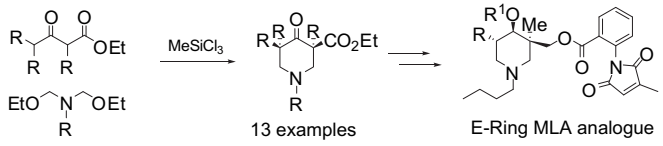


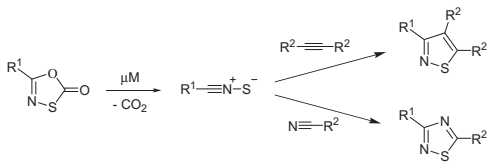


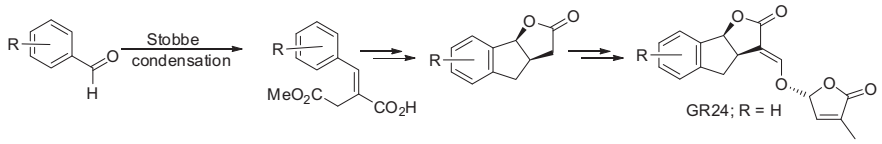


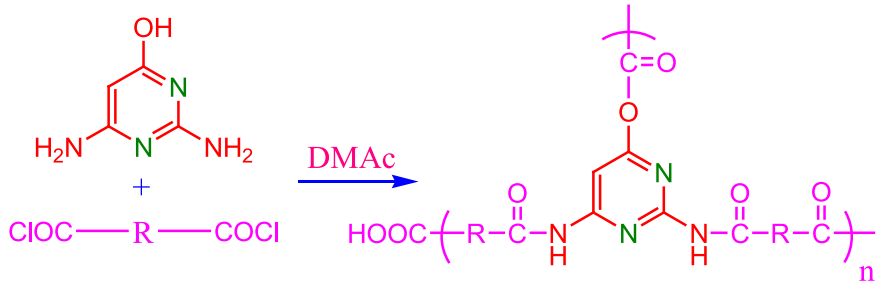


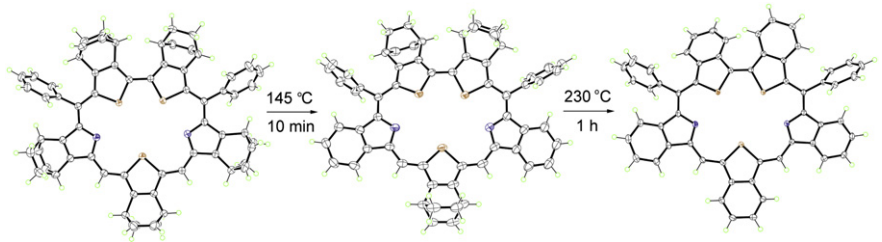
An efficient methodology is described for the preparation of differently substituted 1*H*-indoles and 1*H*-azaindoles via microwave-assisted cycloisomerization in water of 2-alkynylanilines and alkynylpyridinamines, promoted by catalytic amounts of neutral or basic salts or by weak organic bases.

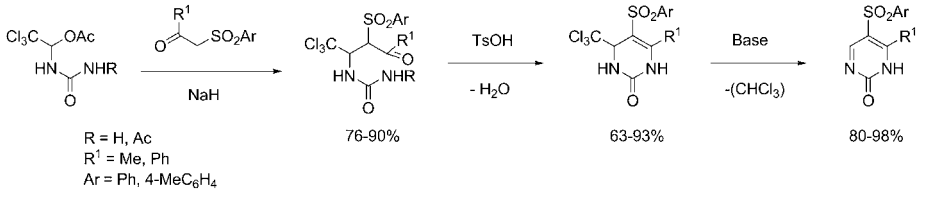


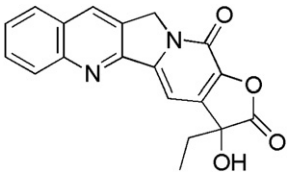












*Corresponding author
Supplementary data available via ScienceDirect

COVER

The cover figure shows an original recyclable process for sustainable synthesis of pure adipic acid by hydrogen peroxide oxidation of cyclohexene in microemulsions. These organized nano-structured media have been formulated in using the molecular economy principle, in the perspective of an industrial development.
Details can be found in Tetrahedron, **2010**, *66*, 7124–7128.

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