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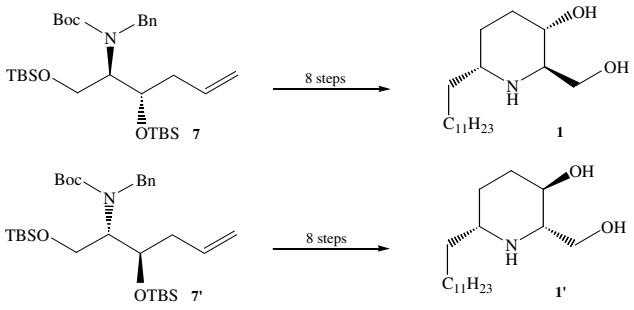
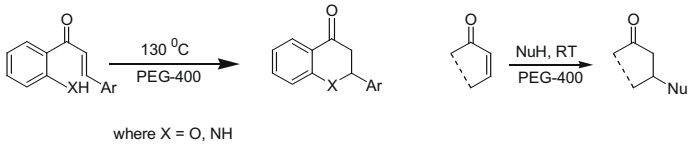
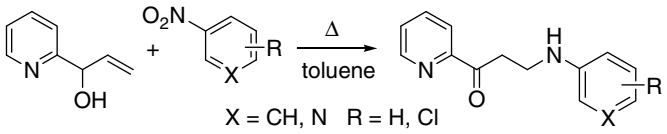
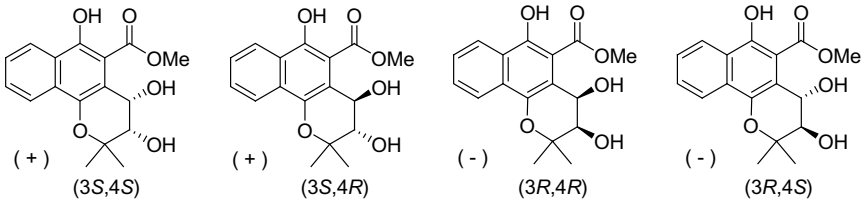
Contents

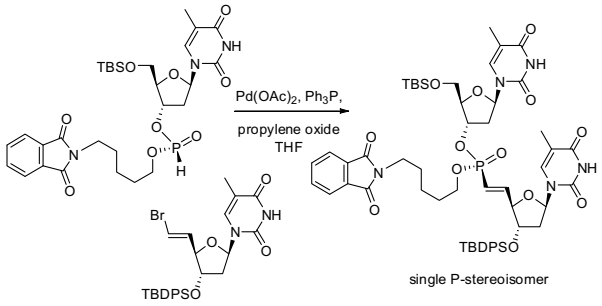
COMMUNICATIONS

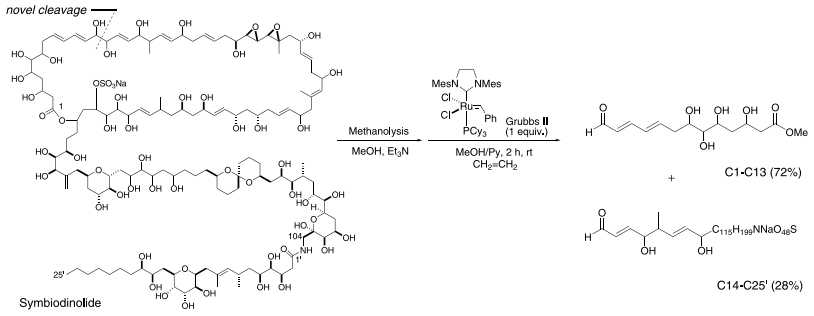


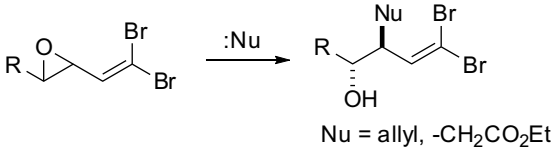


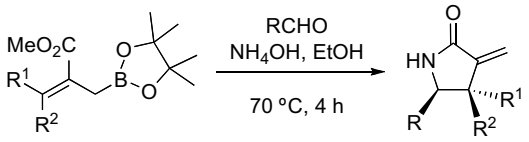


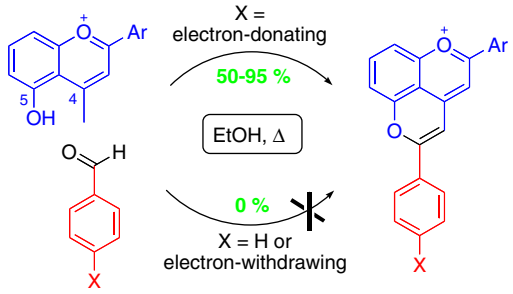






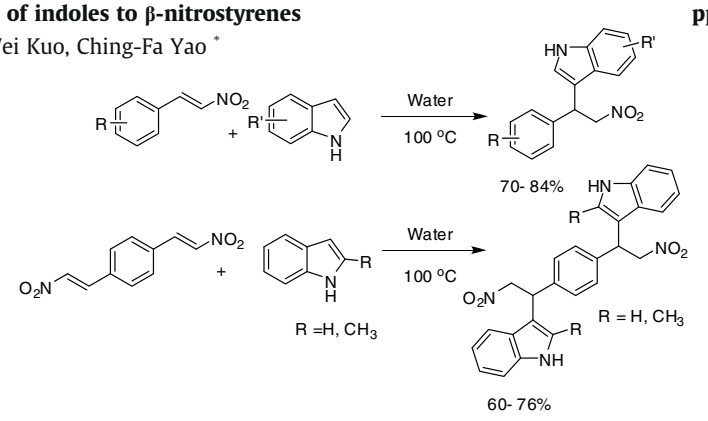


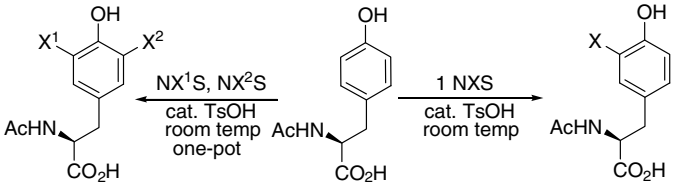




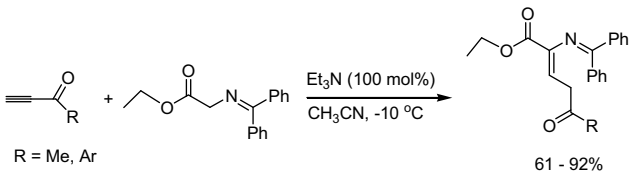
The reaction between 4-methylflavylium cations and aldehydes was investigated and was found to be highly substrate-dependant.

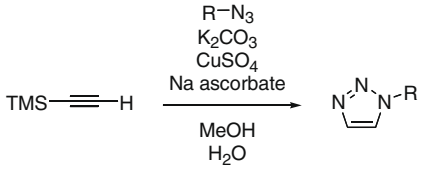
A catalyst free aqueous-mediated alkylation of indoles with various β-nitrostyrenes was performed at elevated temperature. No catalyst, clean reaction conditions, simple workup procedure, easy isolation, viability for large scale preparation, and environmentally acceptable medium are the best features in this process.



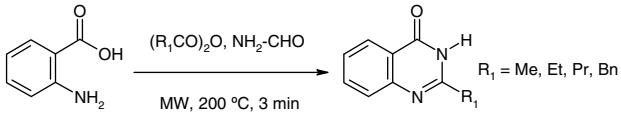


3-Halo and mixed-3,5-dihalo analogues of *N*-acetyl-L-tyrosine were obtained at ambient temperature with high yields and selectivities via *p*-toluenesulfonic acid-catalysed regioselective electrophilic halogenation.

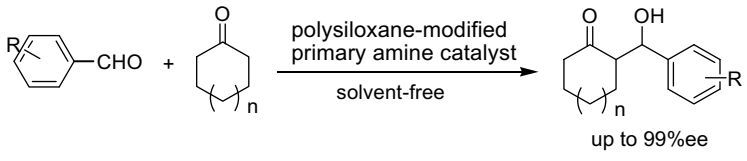


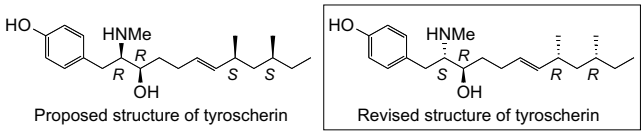


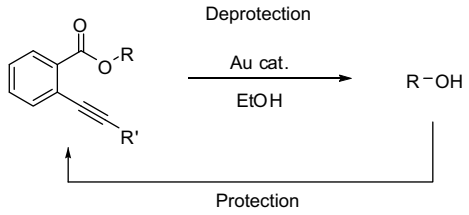
General reaction conditions were developed enabling the regioselective synthesis of 1-substituted-1,2,3-triazoles with both aliphatic and aromatic substitution. Product yields and distributions were sensitive to both alcohol and base identity.

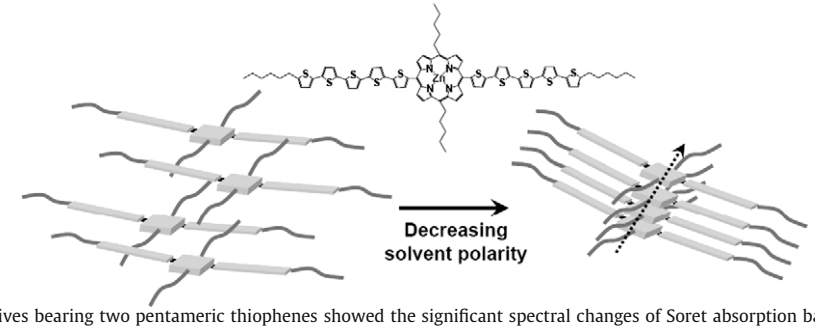


Three-component synthesis of 2-substituted quinazolin-4(3*H*)-ones is investigated via rapid decomposition of formamide.

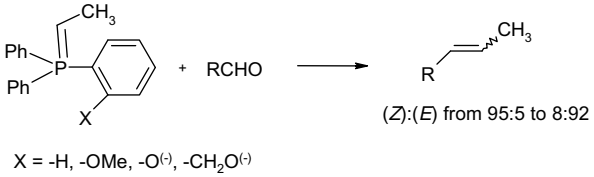


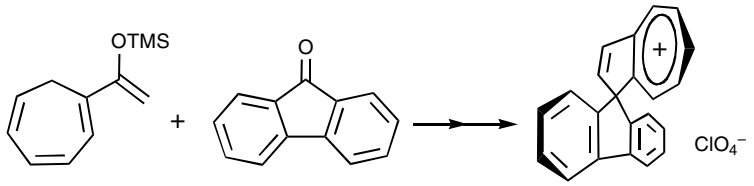


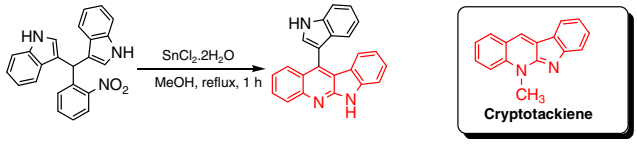


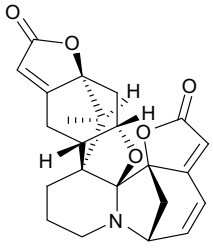


The linear-shape porphyrin derivatives bearing two pentameric thiophenes showed the significant spectral changes of Soret absorption bands in both blue-shift and band broadening in *n*-hexane, indicating the formation of a relatively larger H-aggregate.









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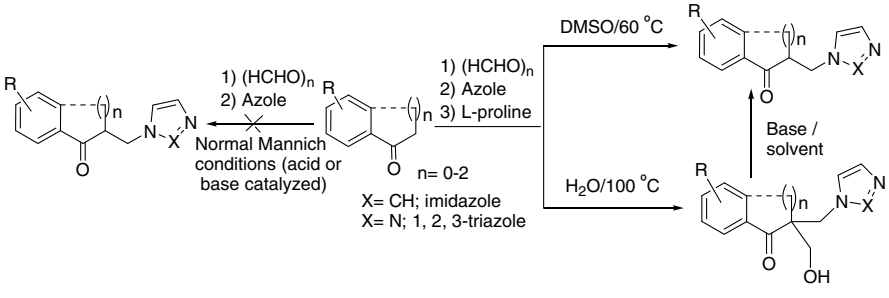

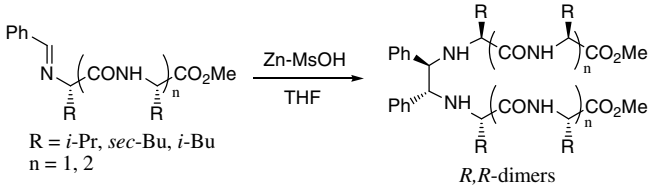

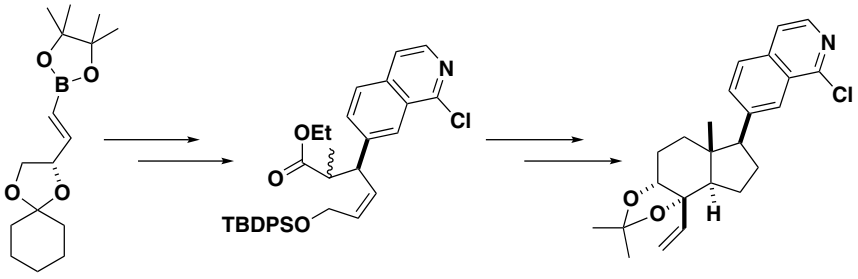

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Supplementary data available via ScienceDirect

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