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Tetrahedron Letters

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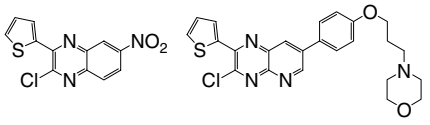
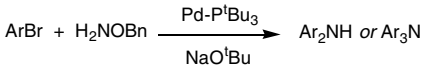
Contents

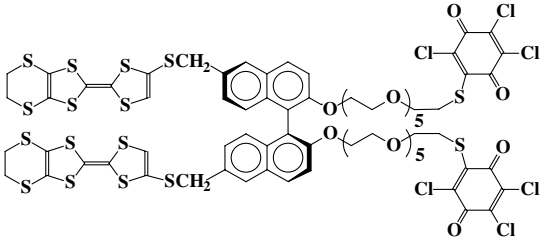
COMMUNICATIONS



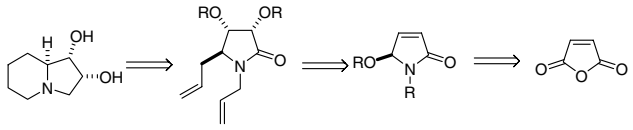
A set of unsymmetrical and regio-defined quinoxalines and pyridinopyrazines were prepared. Regioselectivity was established by the use of differential reactivity in an aromatic diamine precursor.

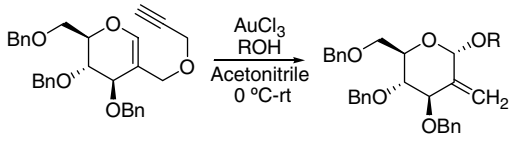


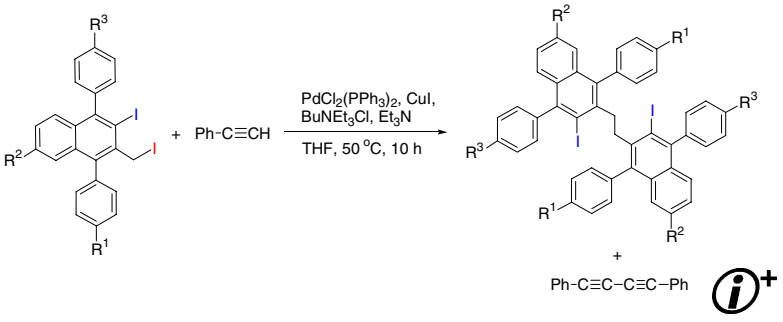
Hydroxylamine *O*-benzyl ether acts as an effective ammonium surrogate in the amination of aryl bromides.

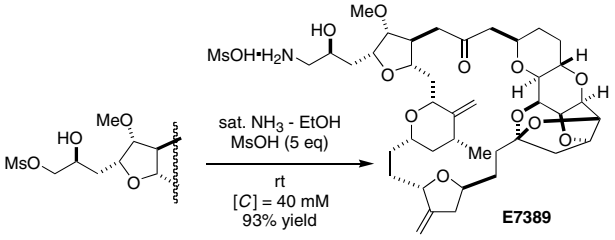


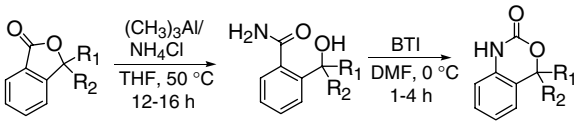
Electron transfer between TTF and quinone units of a substituted binaphthalene was observed in the presence of metal ions (Pb^{2+}, Sc^{3+}, Zn^{2+}, and Ca^{2+}).



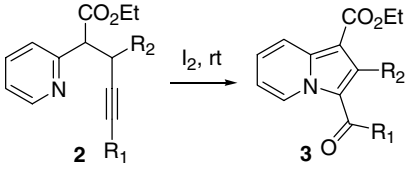


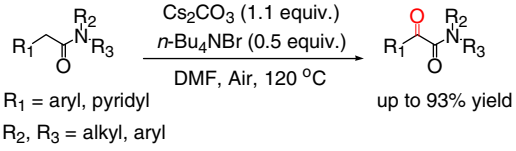




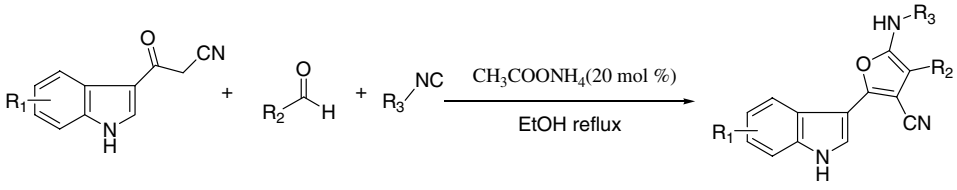


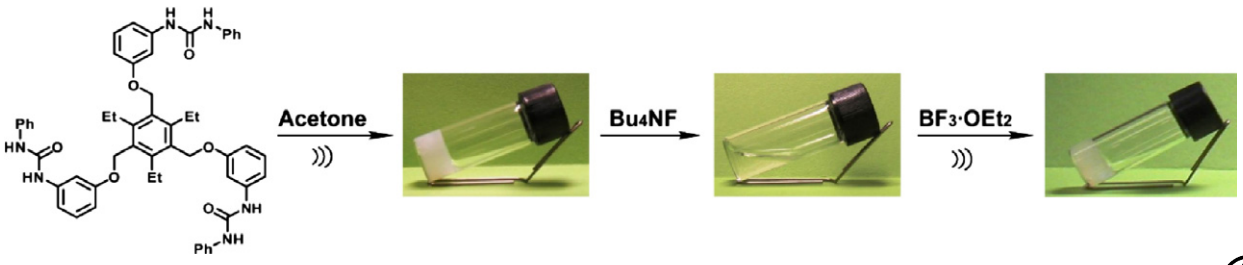
A two-step procedure for the synthesis of benzoxazinones from phthalides was developed.

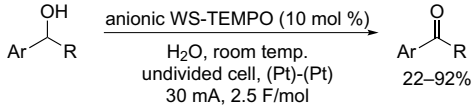


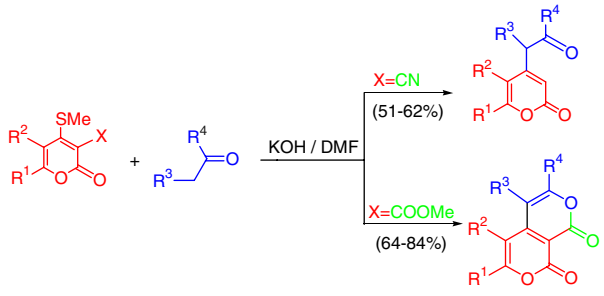


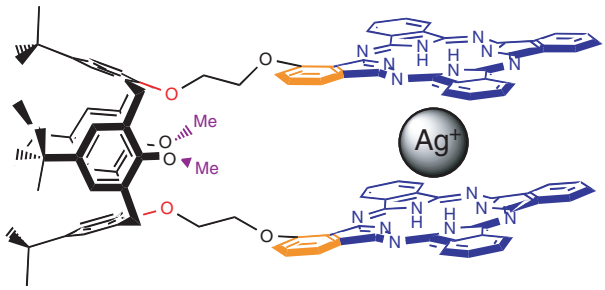
A novel cesium carbonate/tetra-*n*-butylammonium bromide promoted aerobic oxidation reaction to provide N-substituted α-keto amides from easily available arylacetamides was described.

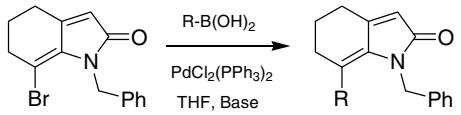


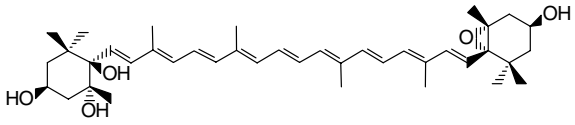




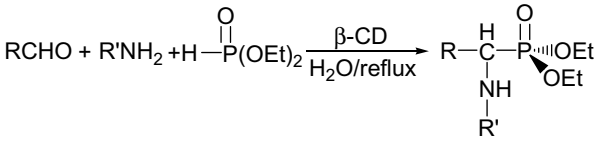


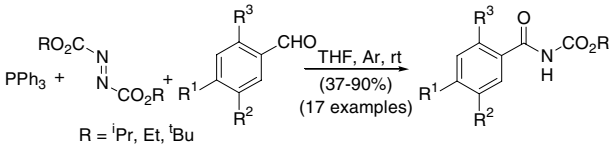




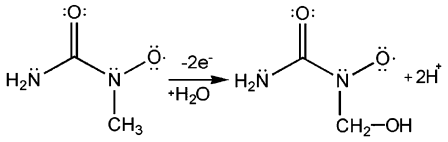


Latoxanthin was isolated as a minor carotenoid from the ripe fruits of yellow tomato shaped paprika and identified as (all-*E*,3*S*,5*R*,6*R*,3′*S*,5′*R*,6′*S*)-5′,6′-epoxy-5,6,5′,6′-tetrahydro-β,β-carotene-3,5,6,3′-tetrol based on spectral data.

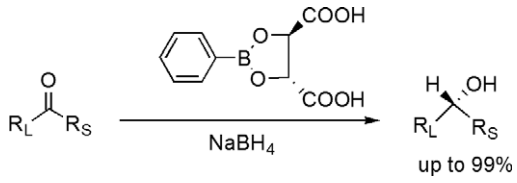


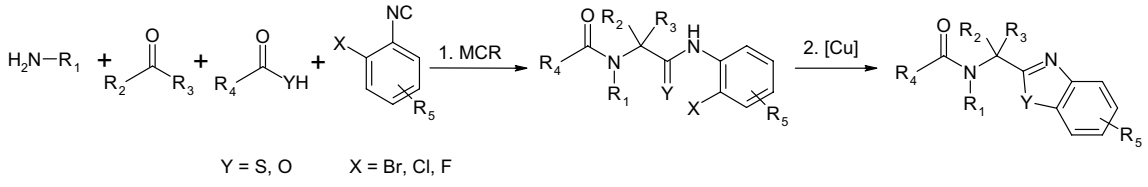


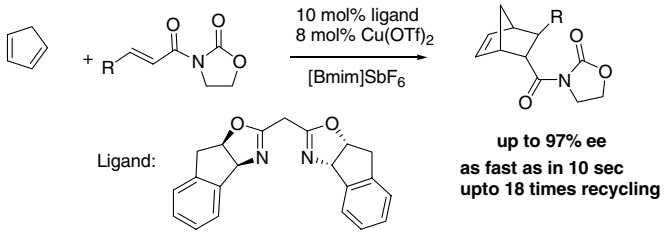
An efficient synthesis of acyl carbamates from aryl aldehydes by the reaction of triphenylphosphine and dialkyl azoesters is described.

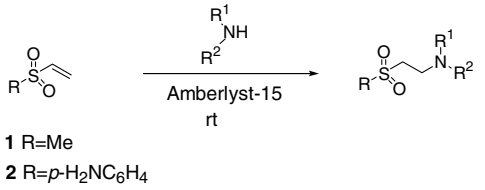


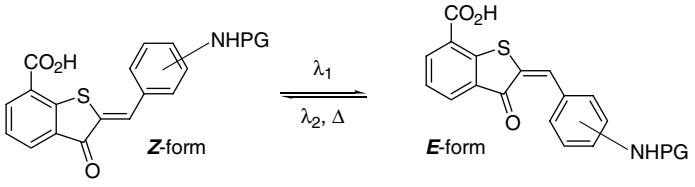
The transformation of free radicals derived from *N*-methylhydroxyurea on reaction with VO_2^+ is described.



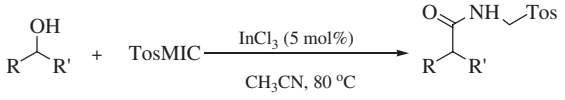




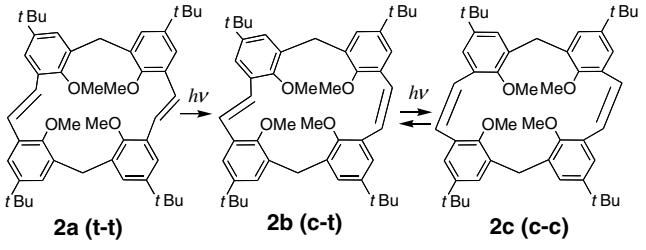


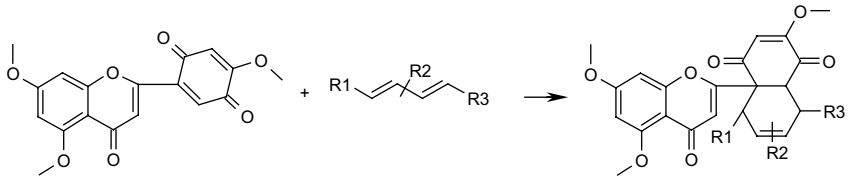


The synthesis of novel *N*-Boc- and *N*-Fmoc protected hemithioindigo-based ω-amino acids is described. An approach to modulate the thermal stability of a hemithioindigo subunit is presented. Placing the amino-group in the stilbene part from the *para*- to *meta*-position leads to an increase of the half-life of the thermally labile *E*-form from 19 h to 47 h.

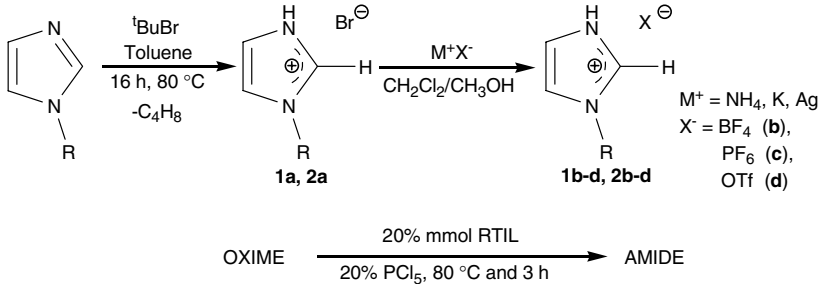


The $InCl_3$ mediated C–C coupling reaction between aryl alcohols and TosMIC is reported.





A quinoflavonoid was synthesized from commercially available products over three steps. The quinoflavonoid turned out to be an excellent dienophile in Diels–Alder reaction. Reactions were easily performed in dichloromethane, and after evaporation of the solvent, expected products were obtained in good yields.



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ⓘ+ Supplementary data available via ScienceDirect

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