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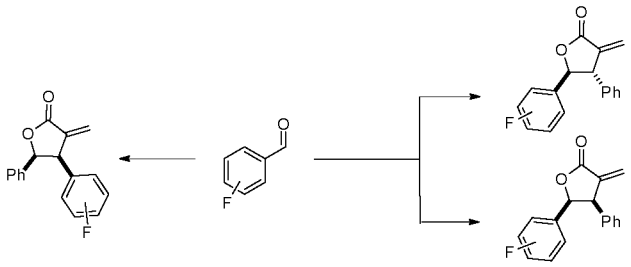
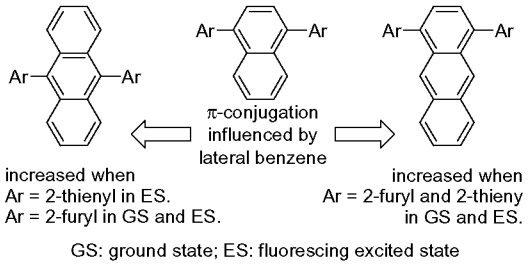
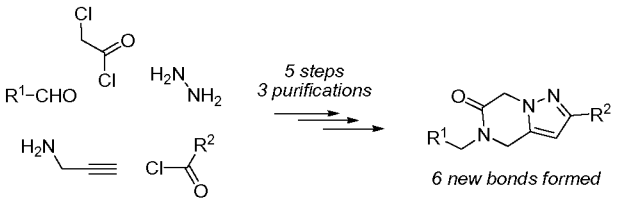
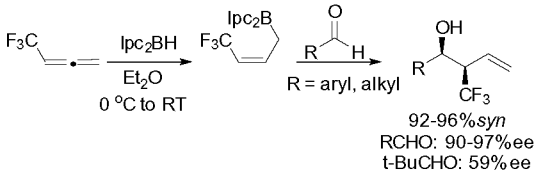
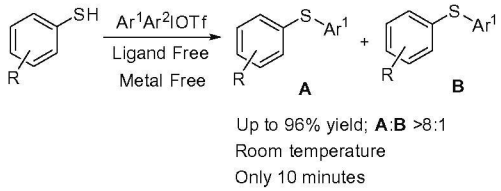
Contents



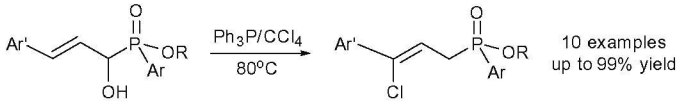


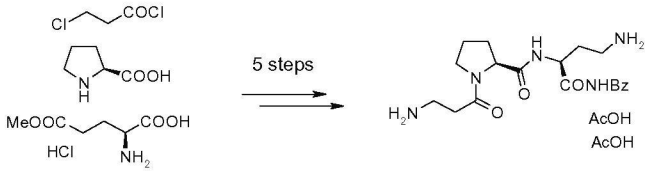


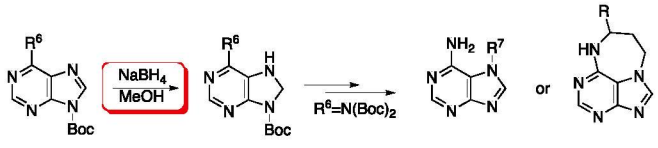


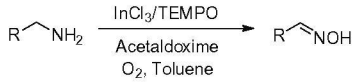


An efficient, general, and highly selective method for the synthesis of aryl sulfides has been developed through metal-free, direct C–S coupling from thioalcohols and diaryliodonium salts. Significantly, the reaction took only 10 min complete and produced high yields at room temperature. Thus this methodology proves its value as a versatile synthetic choice for a broad range of aryl sulfides, producing good to excellent yields.

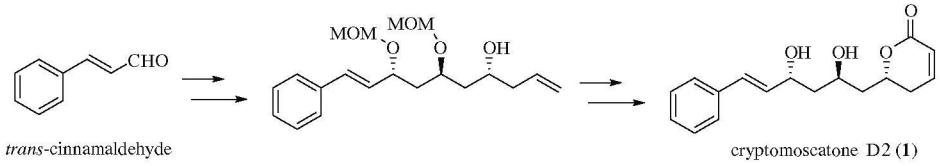


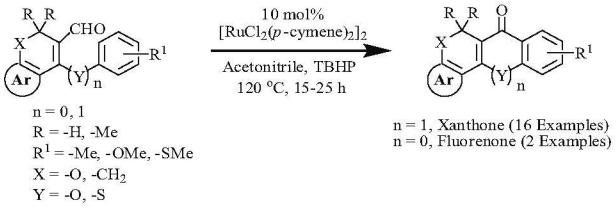


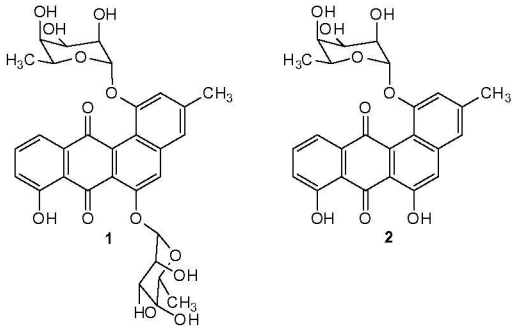


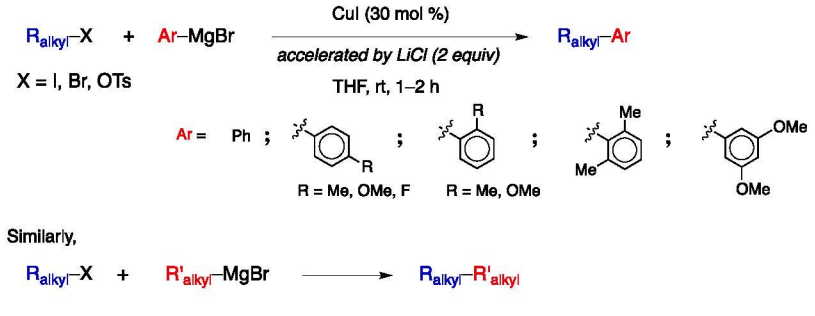


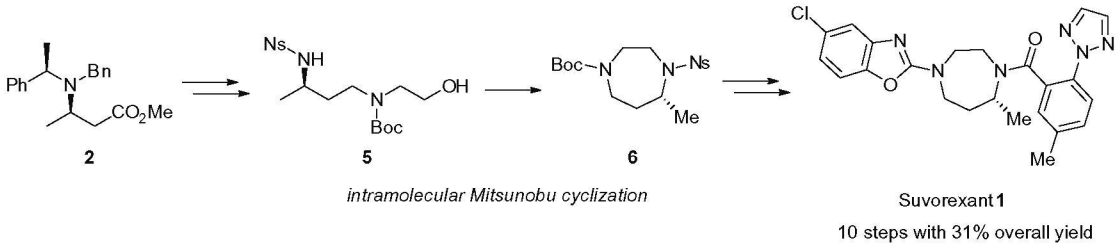
A simple and efficient catalytic system including TEMPO/acetaldoxime/$InCl_3$ for aerobic oxidation of primary amines to corresponding oximes by using toluene as the solvent is described. This practical method can use O_2 as the economic and green oxidant, tolerate a wide range of substrates, which can afford the target oximes in moderate to excellent yields.

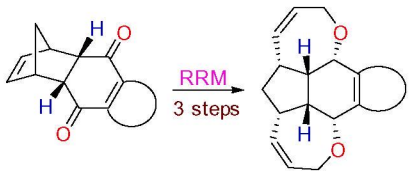


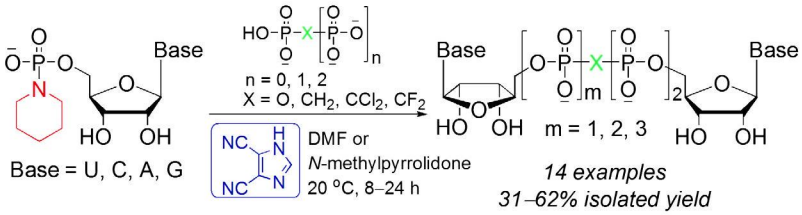


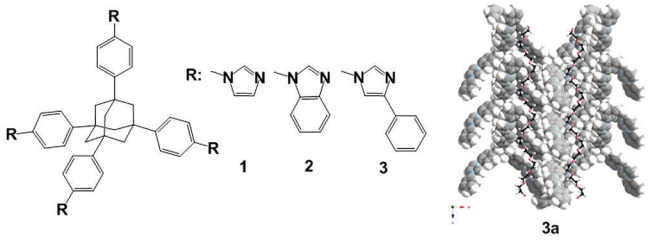


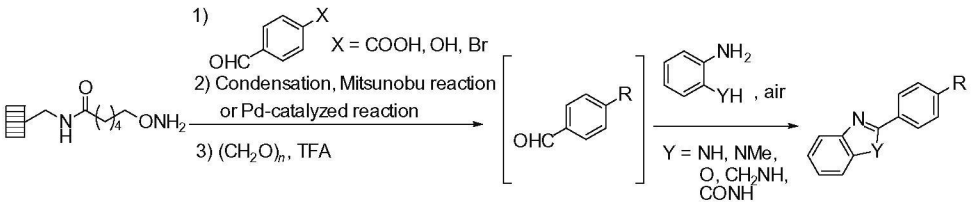


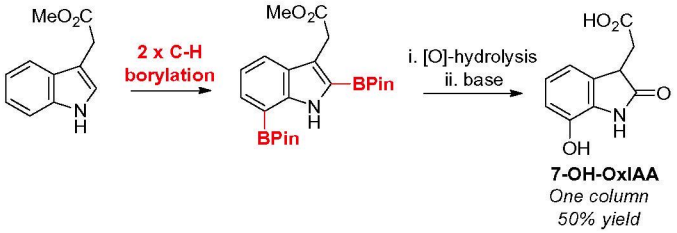


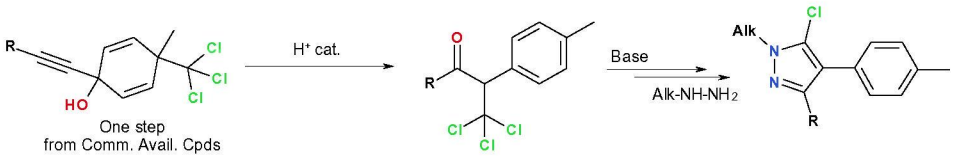


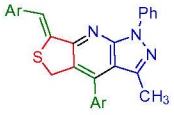




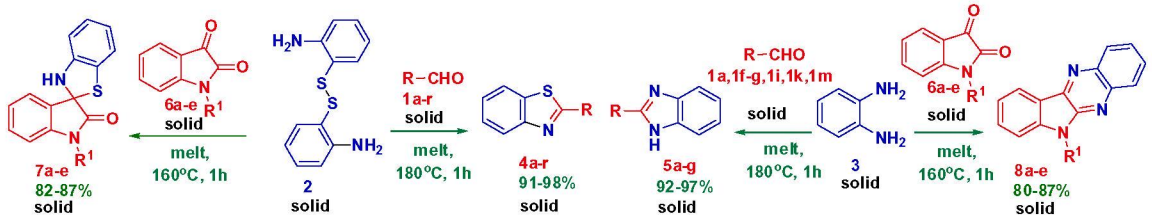


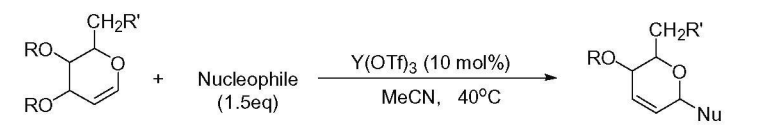






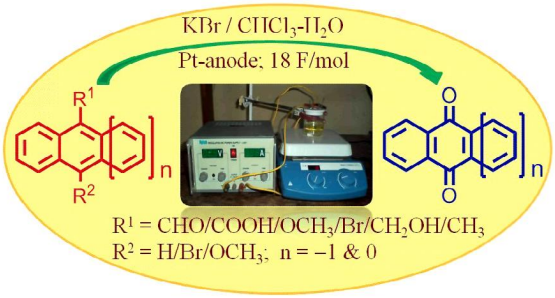
An environmentally benign microwave-assisted synthesis of novel pyrazolo[3,4-*b*]thieno[3,4-*e*]pyridines via tandem Michael addition–cyclization–tautomerization–oxidative aromatization sequence of reactions is reported. Some of these compounds exhibited axial chirality due to restricted rotation around C–C single bond.



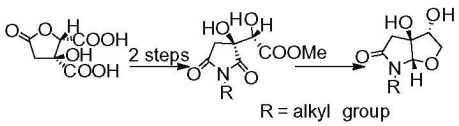


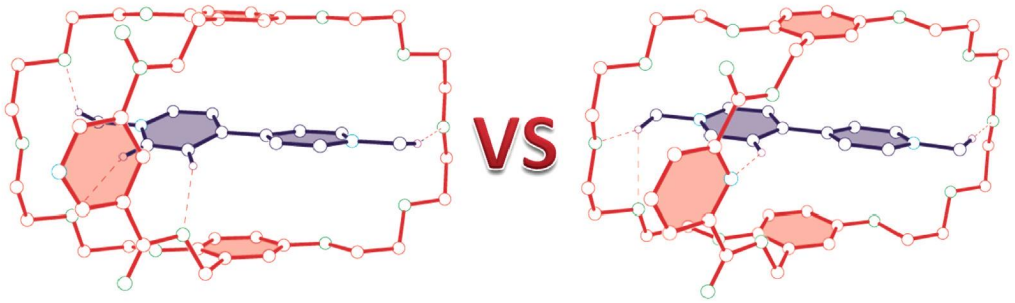
R=Ac or Bn
R'=OAc, H or OBn

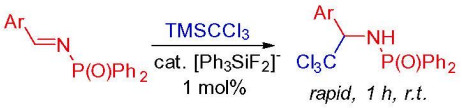
Nu = R"X, where
R" = alkyl, aryl
X = O, S
yield : uptown91%
α:β 5/1~100/0

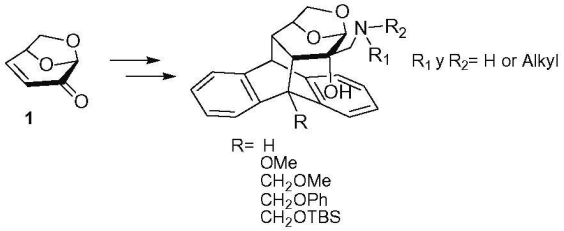


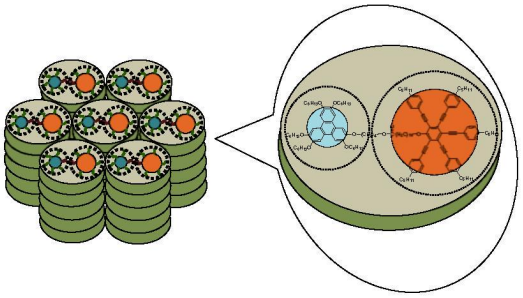
Indirect electrochemical synthesis of quinone derivatives of a series of substituted anthracene and naphthalene by the electrolysis of aqueous solution of potassium bromide (3.0 M) using Pt anode at constant current density (40 mA/cm^2) has been carried out. These reactions resulted in good to excellent yields of corresponding *para*-quinones as confirmed by physical and spectral data.



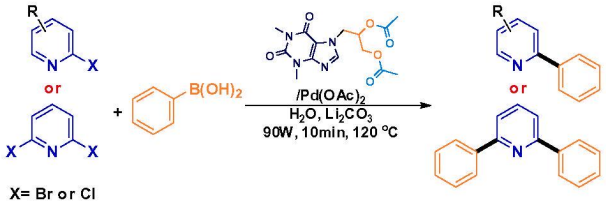


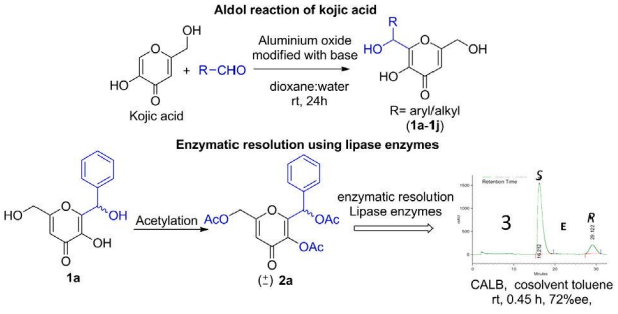


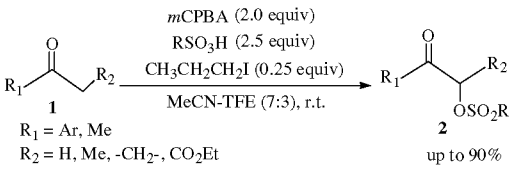


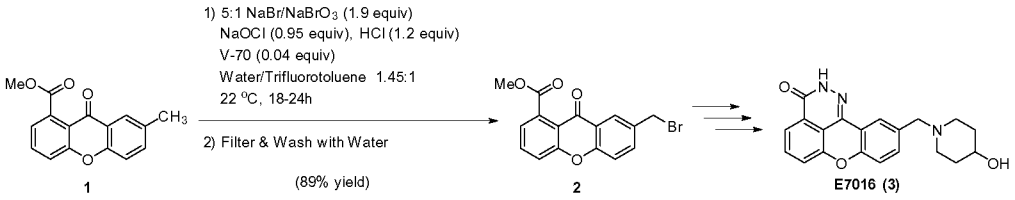


The first example of a novel triphenylene–pentaalkynyl benzene dyad showing columnar hexagonal mesophase at room temperature.









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Supplementary data available via ScienceDirect

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