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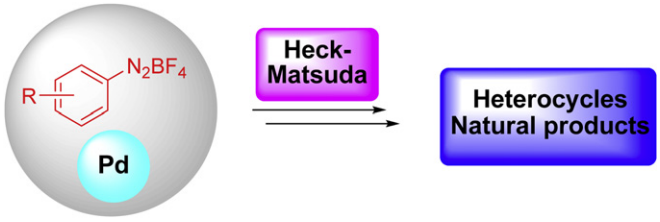
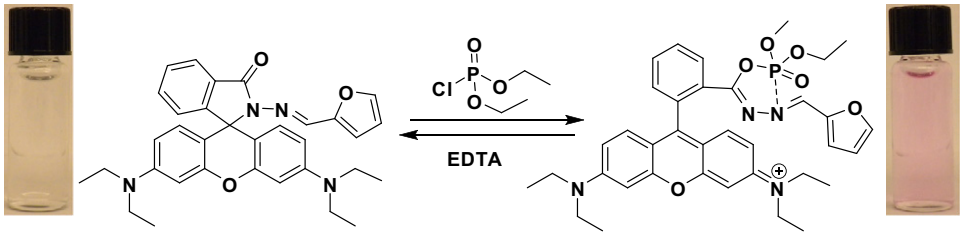
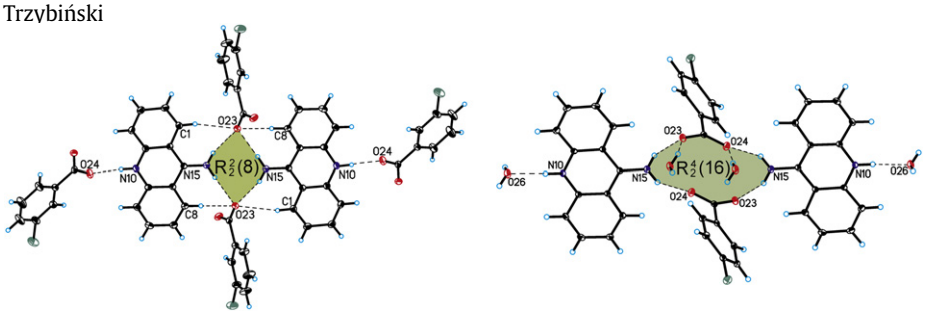
Contents

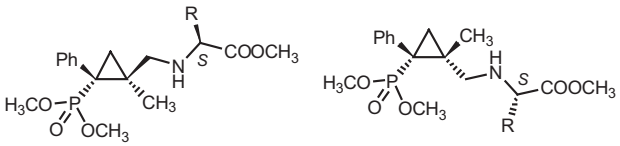
REPORT

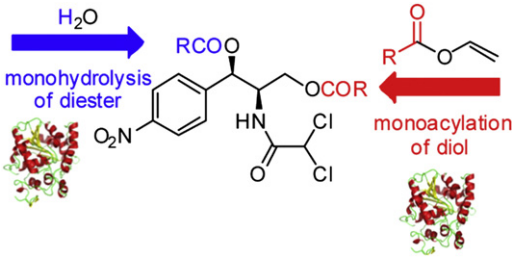


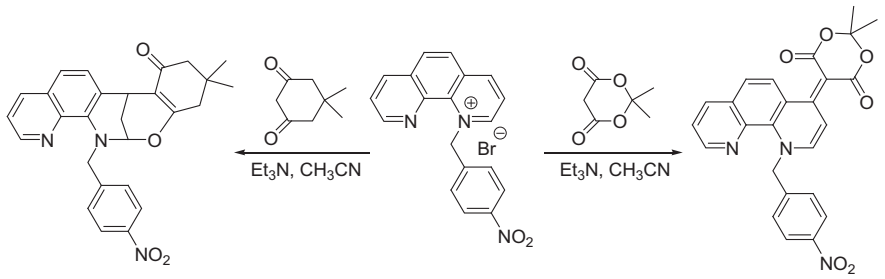
ARTICLES

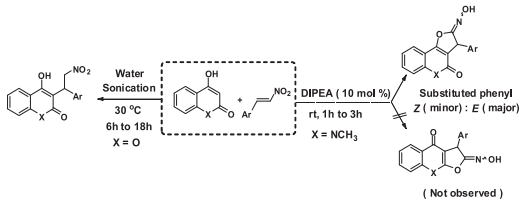




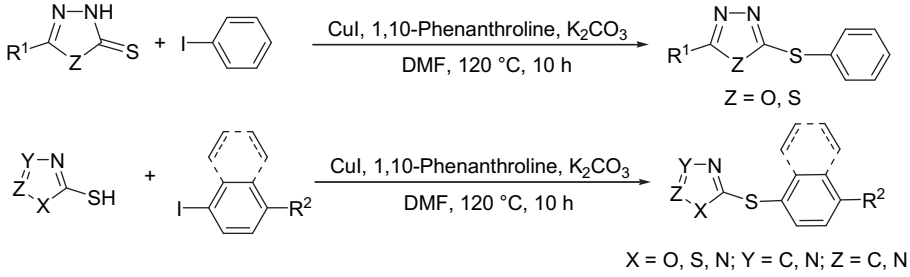




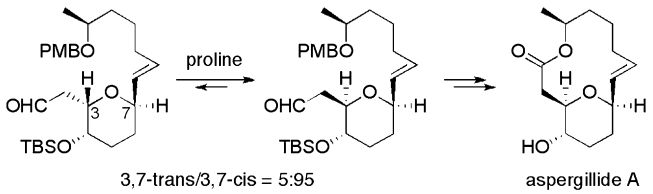


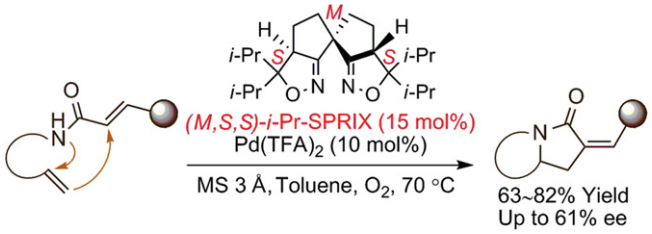


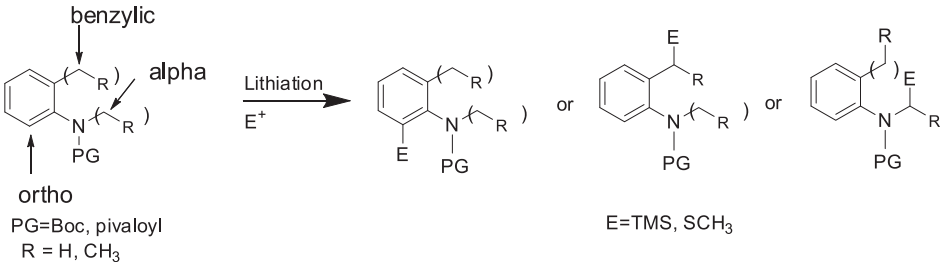
4-Hydroxycoumarin and 4-hydroxy-1-methylquinolin-2(1*H*)-one reacted smoothly with various β-nitrostyrenes to furnish *C*3-nitroalkylated 4-hydroxycoumarin derivatives by sonication under 'on water' conditions and hydroxyiminodihydrofuroquinolinone derivatives at ambient condition as a mixture of *Z* (minor) and *E* (major) isomers, respectively. The mild reaction conditions employed, allowed the products to be easily isolated in excellent yields, are among the important features of the methodology.

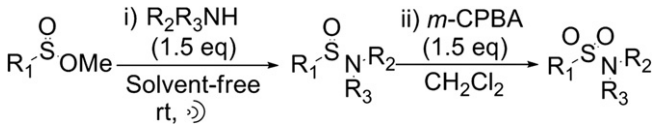


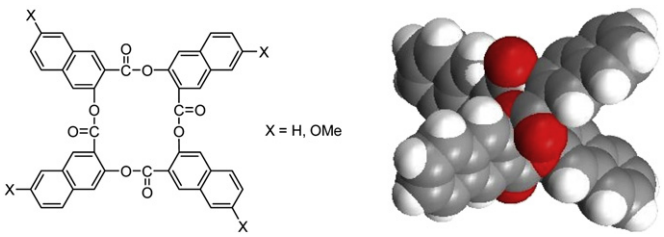
A copper-catalyzed cross-coupling of heterocyclic thiols with aryl iodides is reported. The reaction was carried out in the presence of CuI (5 mol %), 1,10-phenanthroline (10 mol %) and K_2CO_3 (1.3 equiv) in DMF at 120 °C. A variety of heterocyclic sulfides were prepared in high selectivities and yields.

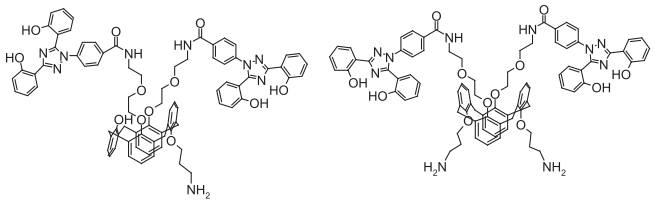


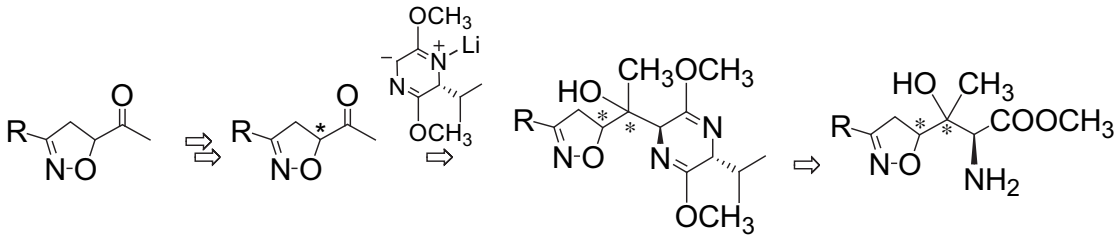


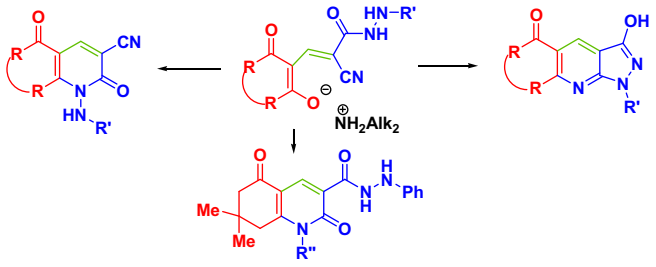


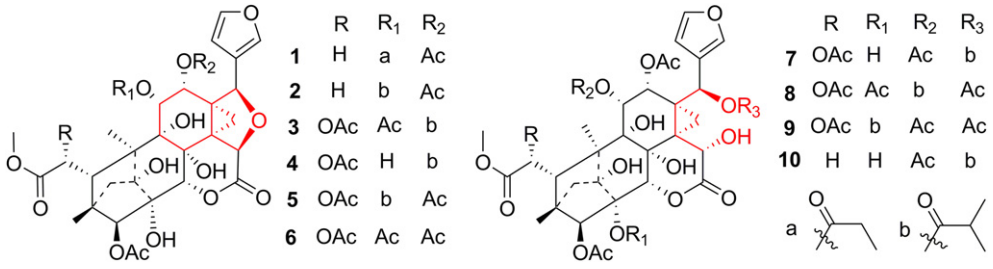


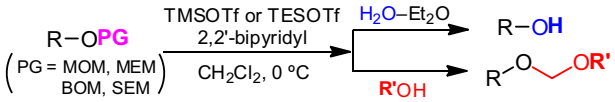


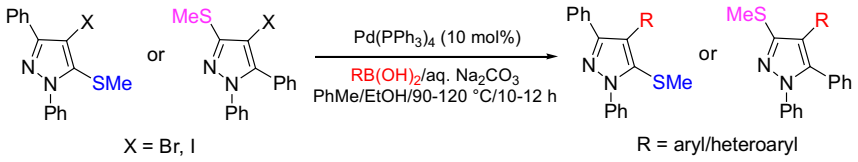


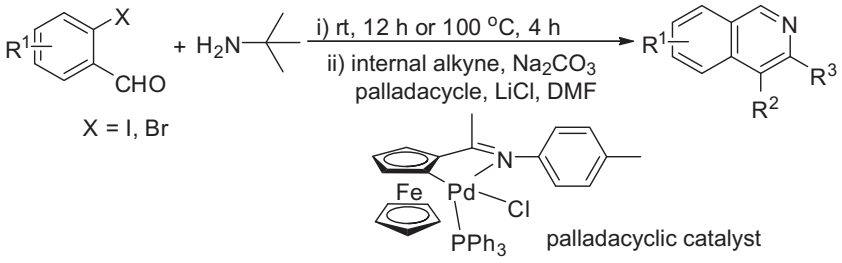


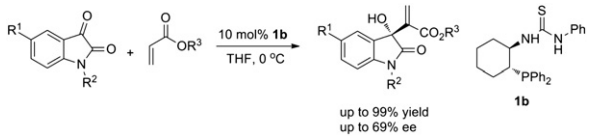


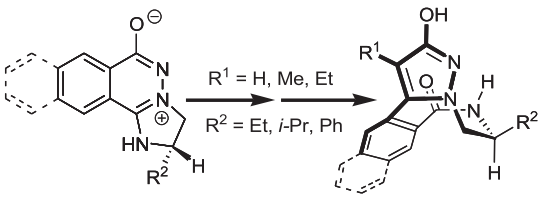


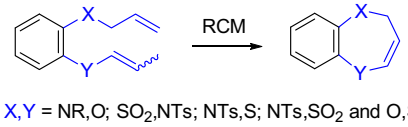




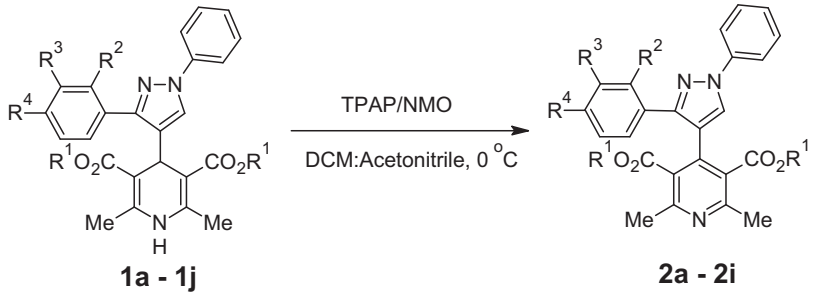


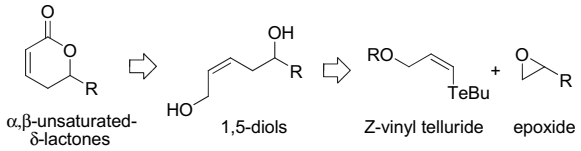


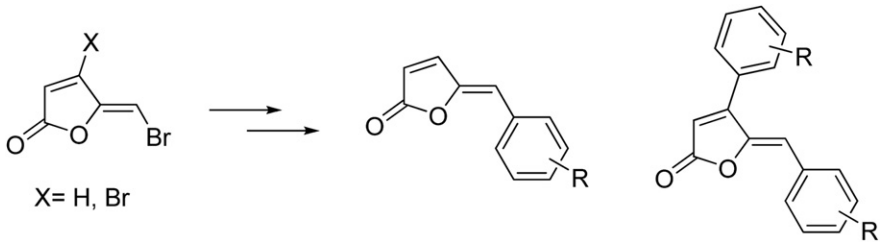




Synthesis of seven-membered benzo-fused heterocycles containing two heteroatoms and a carbon–carbon double bond were performed by the application of a sequential isomerization-ring-closing metathesis strategy.







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Supplementary data available via ScienceDirect

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