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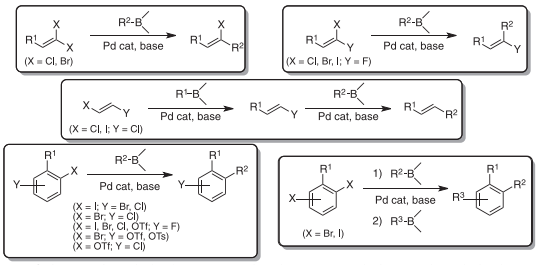
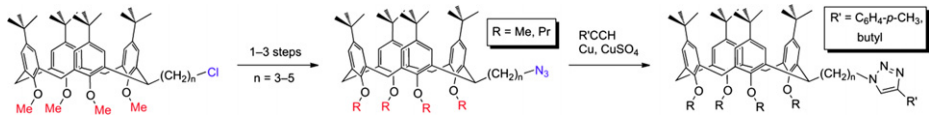
Contents

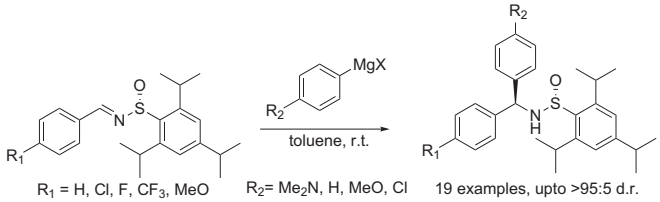
REPORT

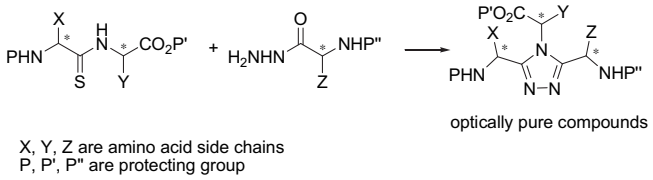


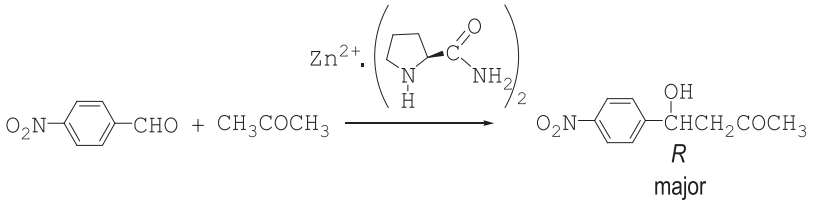
Selective Suzuki–Miyaura monocoupling reactions of di- and polyhalogenated ethenes and di- and polyhalogenated arene derivatives bearing different or identical halogen atoms are reviewed, and the reasons for the observed stereo-, site- and/or chemo-selectivities are discussed. The use of these reactions as key steps in the synthesis of naturally-occurring compounds, bioactive substances including drugs and liquid crystals is also reported.

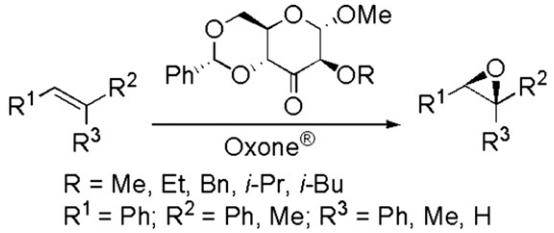
ARTICLES

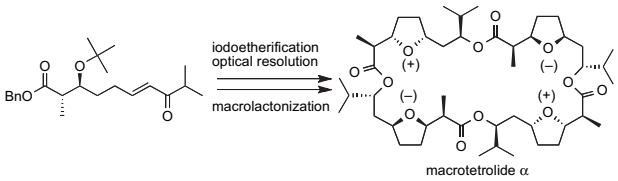


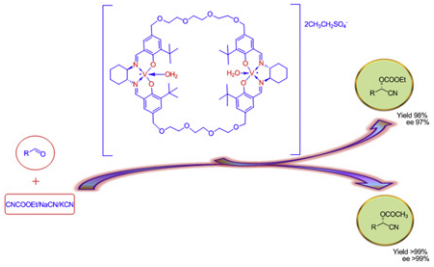


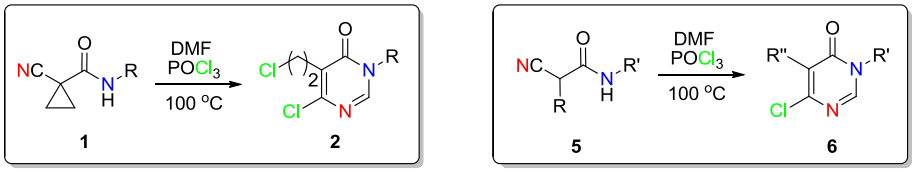


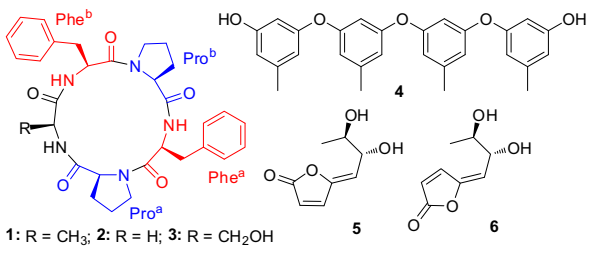


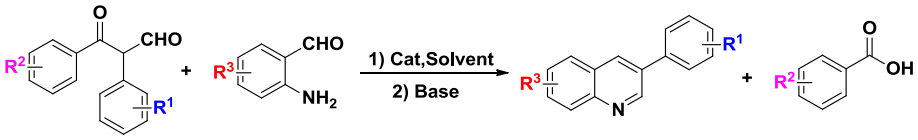


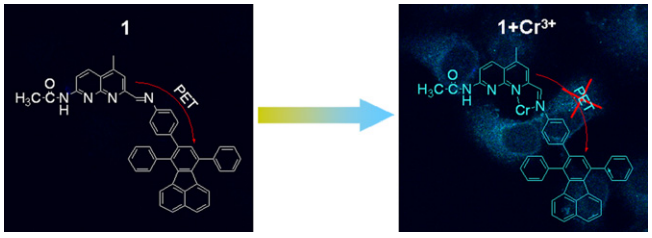


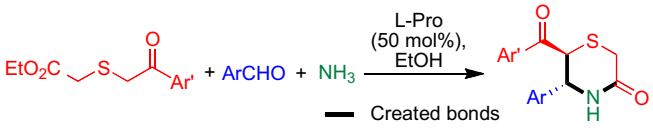


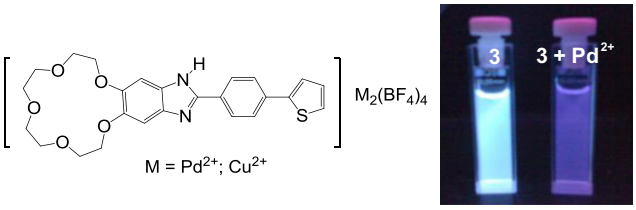


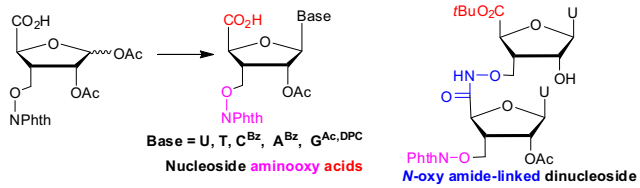


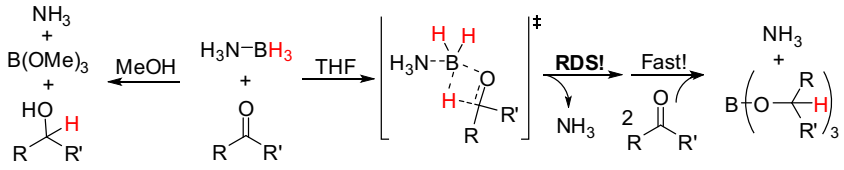


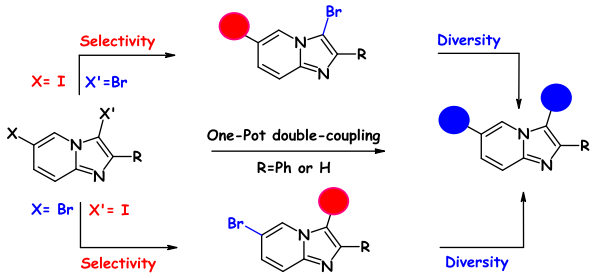


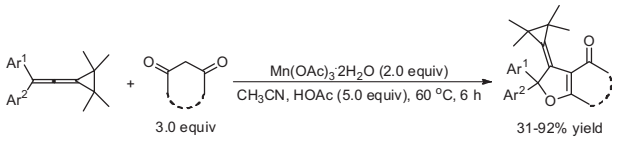




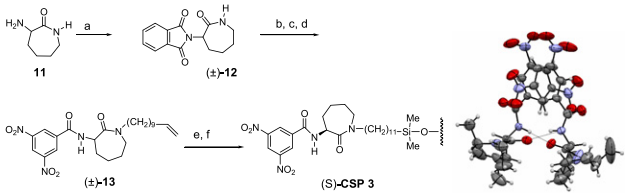


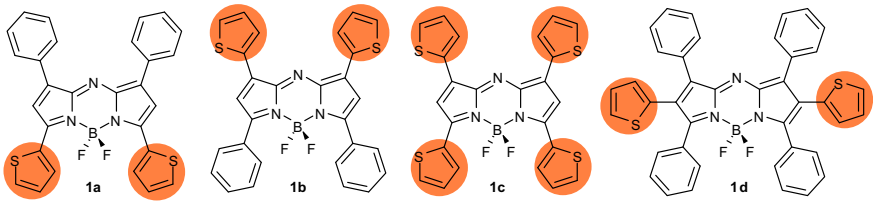


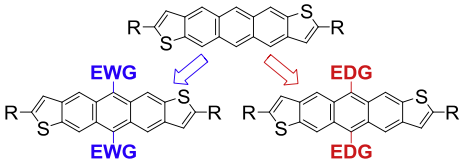


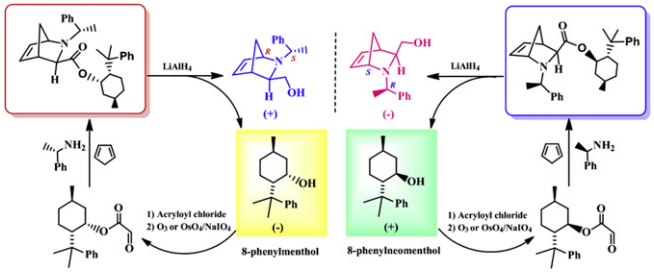


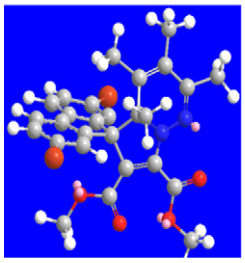
Manganese(III)-mediated oxidative annulation of vinylidenecyclopropanes with 1,3-dicarbonyl compounds in acetonitrile/acetic acid produces the corresponding functionalized dihydrofuran derivatives in moderate to good yields under mild conditions. The substrate scope has been examined and a plausible reaction mechanism has been also proposed on the basis of experimental results and previous literature.

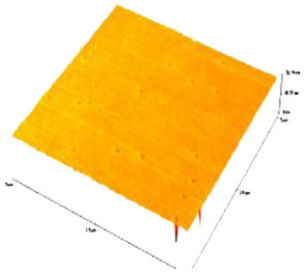












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Supplementary data available via ScienceDirect

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