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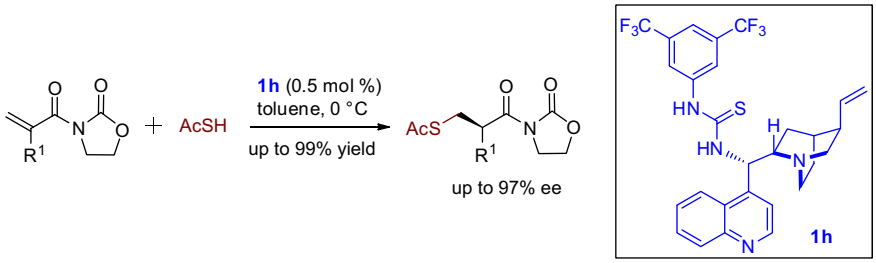
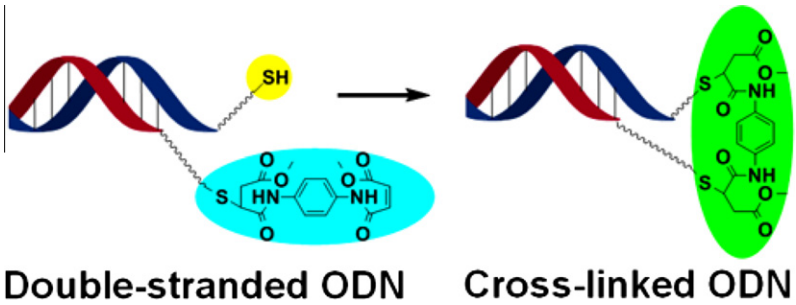
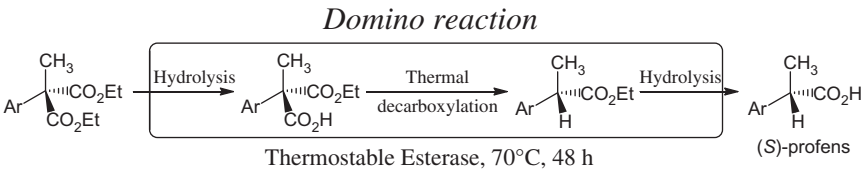
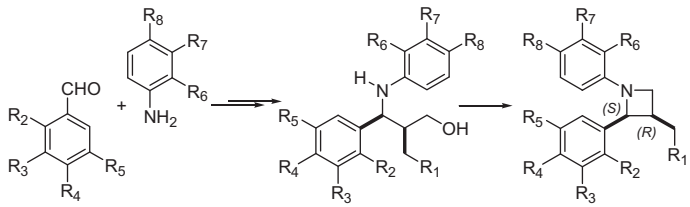
Contents

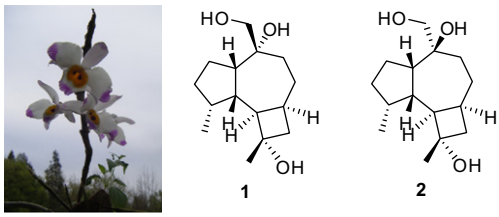
COMMUNICATIONS

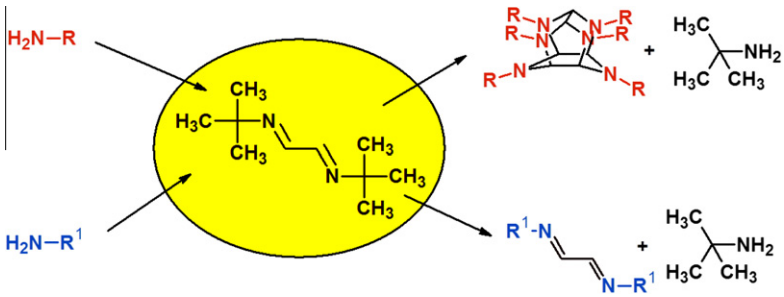


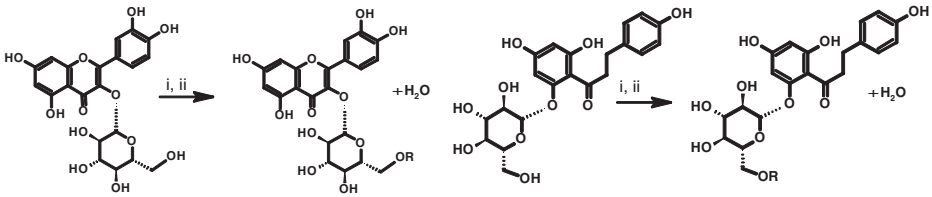




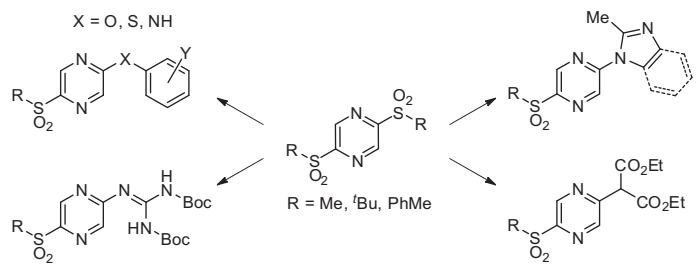


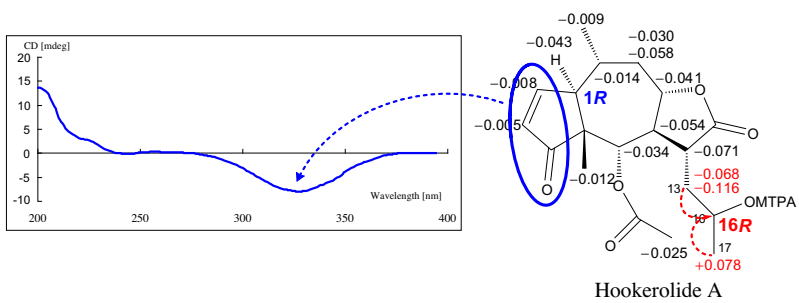


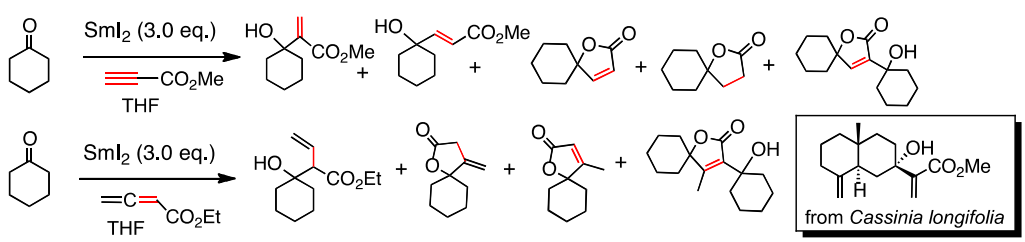


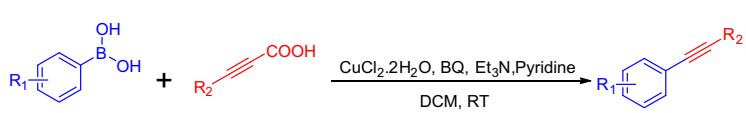


Our present investigation provides a facile, efficient, and economical method of microwave-assisted biocatalytic regioselective synthesis of long chain acylated derivatives of isoquercitrin and phloridzin. (i) Acetone, 3 Å molecular sieves, Novozyme 435®, 45 °C; (ii) R = Oleic, Stearic, Linoleic, Linolenic, Eicosapentaenoic (EPA), Docosahexaenoic Acids (DHA), or their corresponding esters.

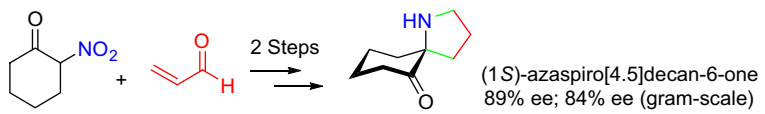


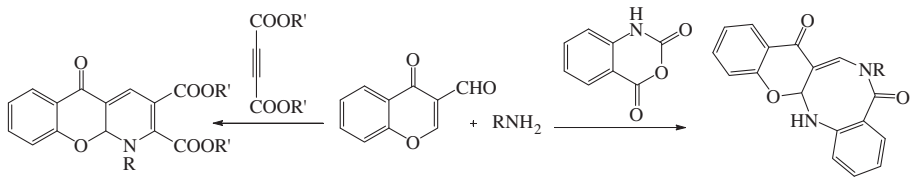


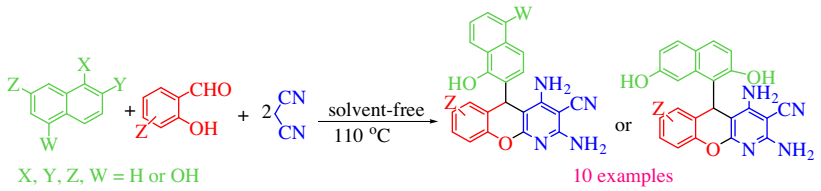


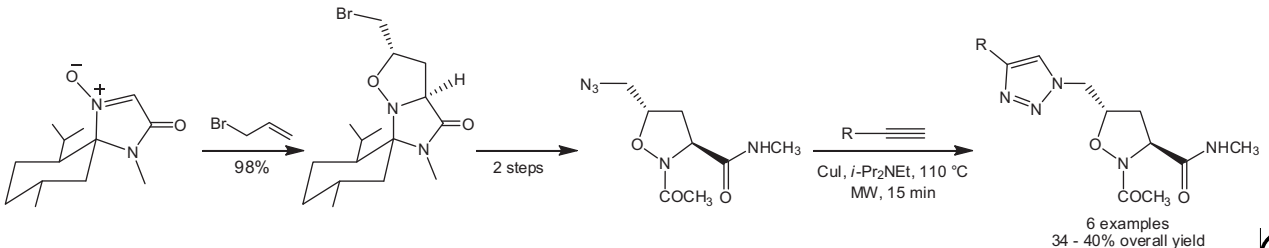


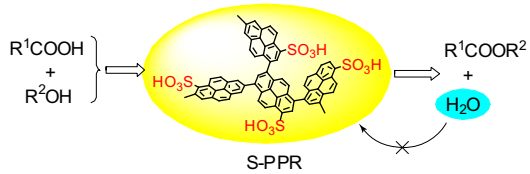
A mild procedure of Cu-catalyzed decarboxylative cross-coupling of aryl- and alkynyl-boronic acids for construction of unsymmetrical substituted alkynes has been developed. The usage of inexpensive copper chloride as catalyst, and employing stable alkynl carboxylic acids and boronic acids as the substrates under oxidative conditions for sp–sp^2 coupling, make this method very easy to operate.

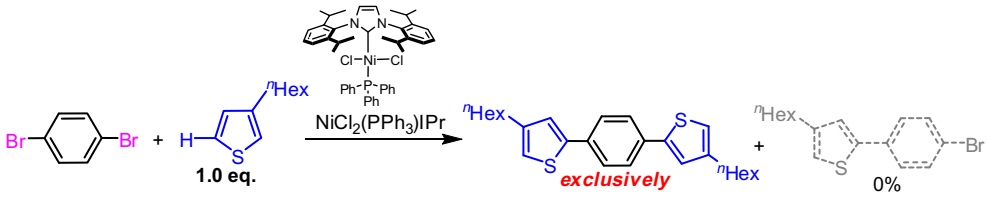


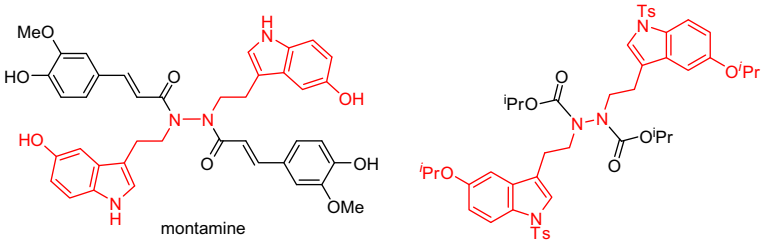


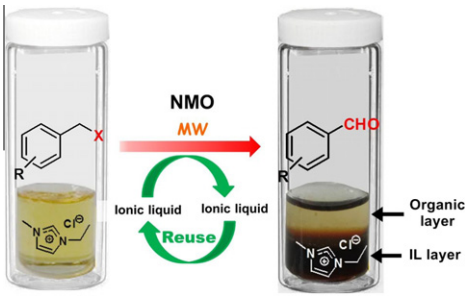


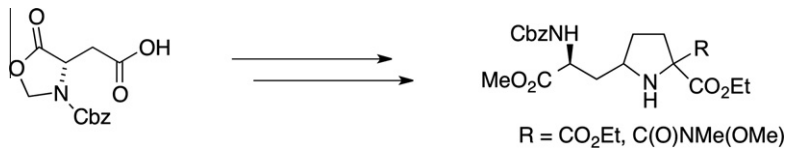


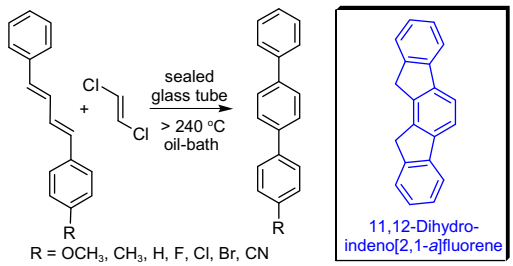


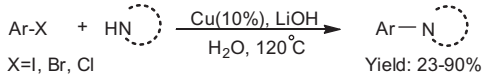


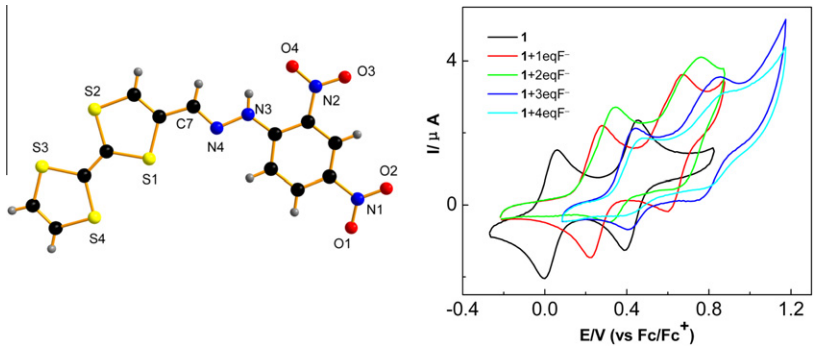




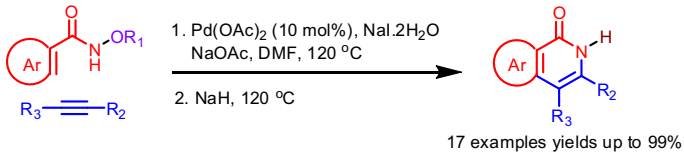


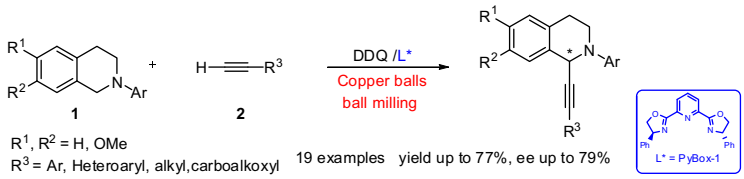


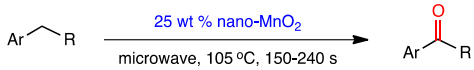


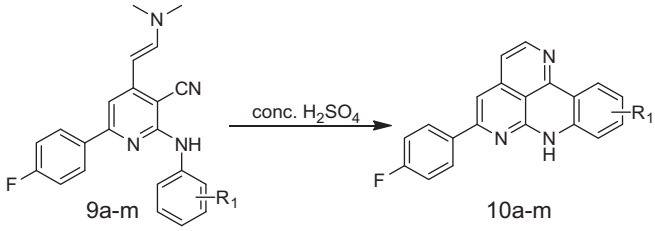


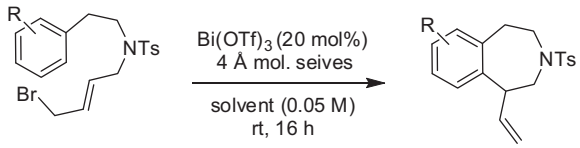
A new dual electro-optical fluoride sensor based on tetrathiafulvalene (TTF) generates the largest known electrochemical response to fluoride ions, a $\Delta E_{1/2}$ of almost 400 mV. The sensor is highly selective for fluoride over other anions, and displays 'naked eye' optical detection.

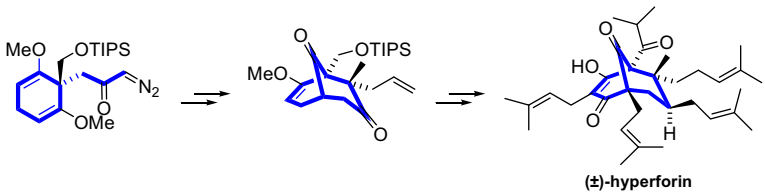


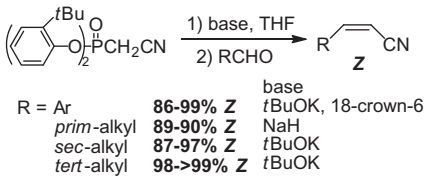


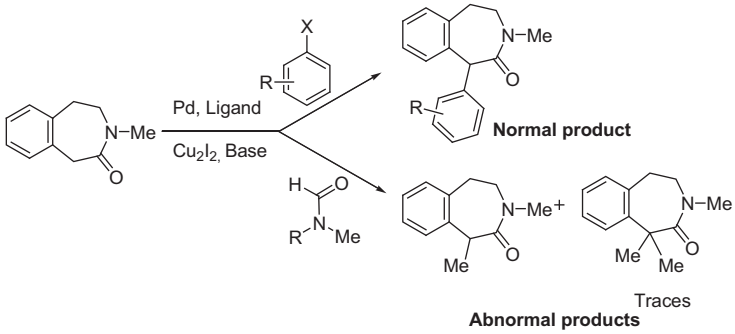












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ⓘ+ Supplementary data available via SciVerse ScienceDirect

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