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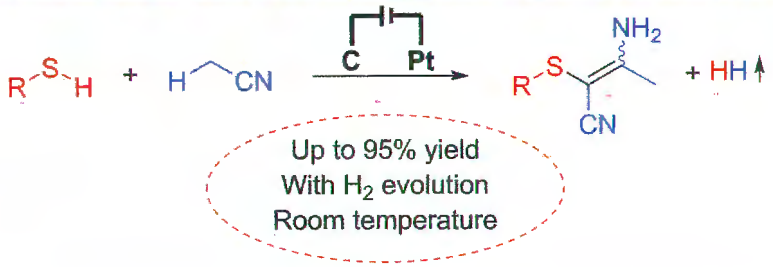
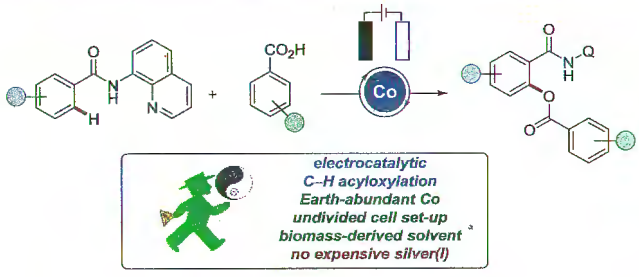
Breaking Report

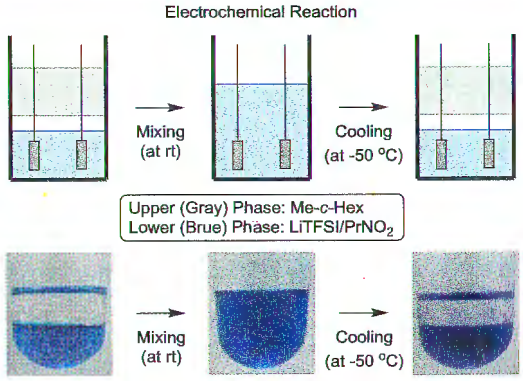


A series of tetrasubstituted olefins were prepared under base-free, transition metal-free, and oxidant-free electrochemical conditions.

Concise Reports



Cobalt-catalyzed C—H acyloxylations were realized in the absence of costly silver(I) salts in biomass-derived solvent using electricity as sustainable oxidant.



Methyl cyclohexane can form a thermomorphic system with lithium bis(trifluoromethane)-sulfonamide/1-nitropropane solution, where biphasic and monophasic conditions were reversibly switched over a practical temperature range. The monophasic condition serves as a less polar electrolyte solution, enabling the use of hydrophobic dienophiles for electrocatalytic Diels-Alder reactions.

Critical Review

Inside Story

