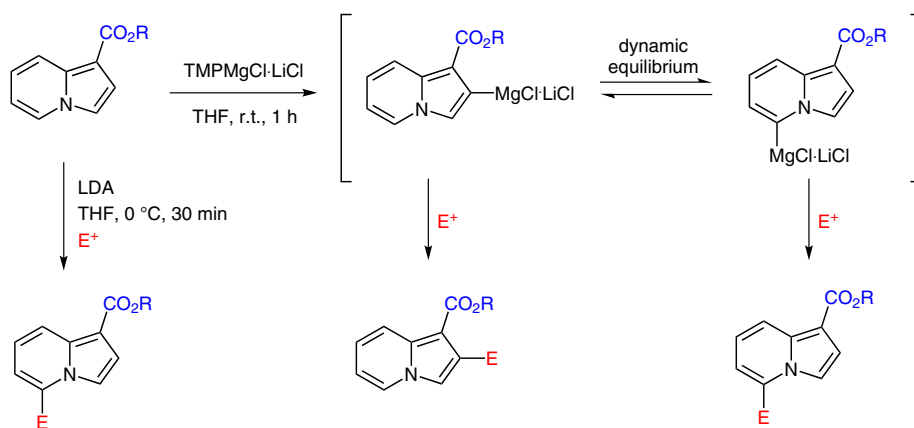
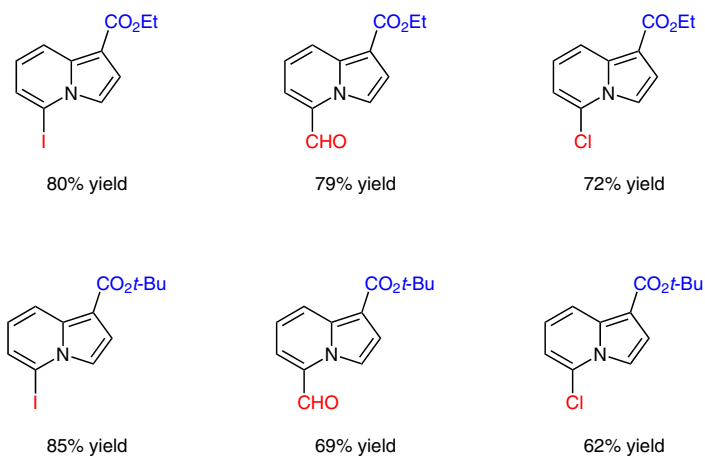


Directed Metalation of Ester-Substituted Indolizines



Selected examples:



Significance: Clososki and co-workers report a directed C–H functionalization of 1-ester-substituted indolizines using several organometallic bases. The metalation takes place under mild conditions, and the reaction with different electrophiles allows the synthesis of a number of polyfunctional indolizines in good yields.

Comment: Lithium amides favor C-5 functionalization, while TMPMgCl·LiCl gives C-2 substituted derivatives as major products by *ortho* metalation. The authors found that in the case of functionalization with TMPMgCl·LiCl, the reactivity of the electrophile plays a key role in the regioselectivity of the reaction.