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SYNFACTS Highlights in Chemical Synthesis

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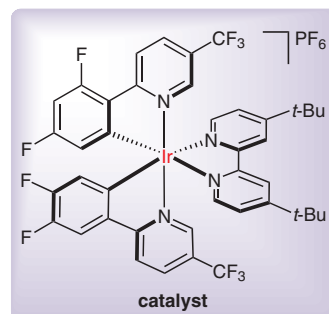
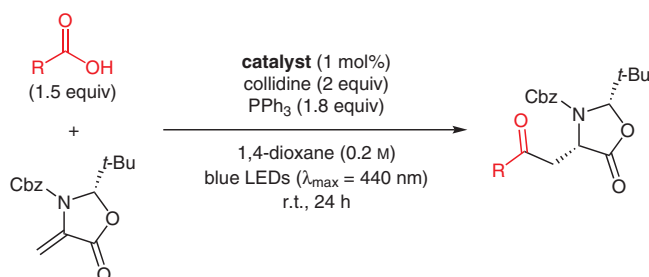
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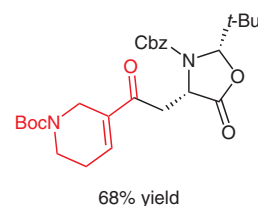
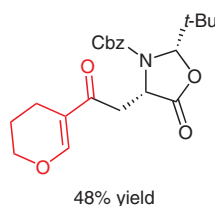
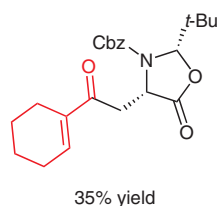
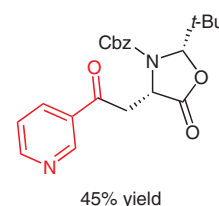
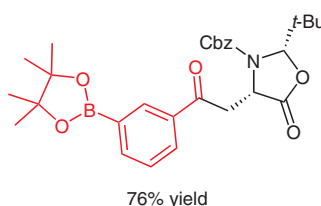
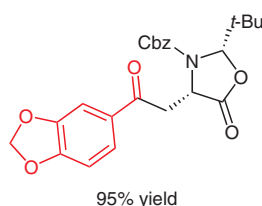
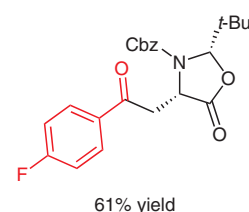
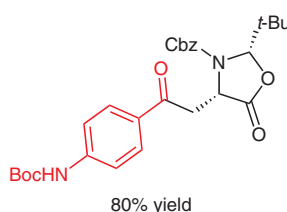
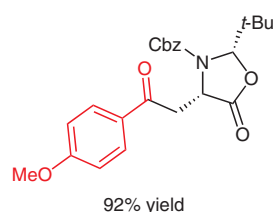
Synthesis of γ -Oxo- α -amino acids via Radical Acylation with Carboxylic Acids

J. Org. Chem. **2021**, *86*, 8448–8456, DOI: 10.1021/acs.joc.0c02951.

Synthesis of γ -Oxo- α -Amino Acids by Iridium Catalysis



Selected examples:



Significance: The development of useful catalytic methods for C–C bond formation is one of the most important areas of modern organic chemistry. The authors have developed an iridium-catalyzed synthesis of γ -oxo- α -amino acids via radical acylation reaction.

Comment: This iridium-catalyzed reaction forms new C–C bonds, providing γ -oxo- α -amino acids in moderate to high yields.

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