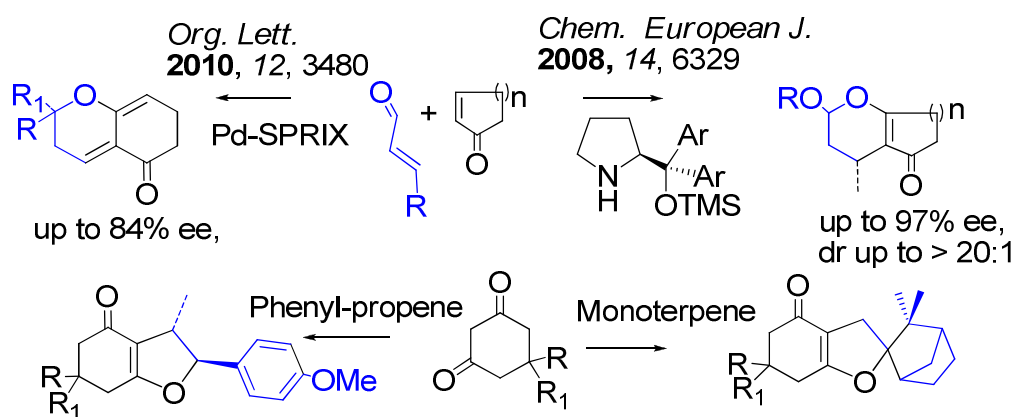


Novel syntheses of 5-oxo-benzopyran, 4-oxo-benzofuran and (1*H*)-isochromen-1-one derivatives through cyclization and coupling reactions

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Benzopyranone, benzofuranone and (1*H*)-isochromen-1-one derivatives are important backbone in many natural products that exhibit interesting biological activities including immunomodulatory, cytotoxic, anti-inflammatory, anti-leukemic, antimicrobial, anti-allergic, and plant growth regulatory properties. In this presentation our recent efforts in synthesizing title compounds through the use of chiral LBA, Mn(OAc)₃ and related catalysts will be discussed.



1) Fernandes, S., Bhat, S. V. *Synthetic Commun.* **2014**, *44*, 2892-2898